MCE®
ELECTRIC

Wired To Inspire

25 Years Anniversary
CELEBRATION

Thank you for 25 Years of Trusted Partnerships

2026-2027
PRODUCT CATALOGUE

www.mce.co.za



MCE®
ELECTRIC
Wired To Inspire

25 Years Anniversary

Wired To Inspire

For 25 years, **MCE Electric** has been more than a name... it has been a promise.

A promise to deliver exceptional quality.
To innovate with purpose.
To build partnerships that last.

As we celebrate this milestone, we look forward with the same commitment that brought us here & even greater inspiration for what's next.

Thank you for being part of our journey.

INTRODUCING A NEW EXPRESSION OF

MATRIX
WIRING SYSTEMS

Our refreshed collection reflects a renewed vision-where timeless design meets modern innovation.

Curated with care and crafted with precision, each piece is created to elevate spaces & enrich the way you live.

**Designed for today.
Built for what's next.**



PREMIUM QUALITY | INNOVATIVE DESIGN | TRUSTED PARTNERSHIPS | SUSTAINABLE PRACTICES | CUSTOMER FOCUSED

25 YEARS OF QUALITY. INNOVATION. PARTNERSHIP.

MCE® ELECTRIC

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ONESTO

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SWITCHGEAR



MCE ELECTRIC

AC MAGNETIC CONTACTORS
3 POLE - DIN RAIL OR
BASE MOUNT
AC COIL INCLUDED

3P AC Mini Magnetic Contactors

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Auxiliary Contact	Poles	Dimensions H x W x D
	**UKC1-6M-1A**	6A	12A	2,2	3	1NO	3P	55 x 44 x 44mm
	UKC1-6M-1B	6A	12A	2,2	3	1NC		55 x 44 x 44mm
	UKC1-9M-1A	9A	16A	4	5,5	1NO		55 x 45 x 50mm
	UKC1-9M-1B	9A	16A	4	5,5	1NC		55 x 45 x 50mm
	UKC1-12M-1A	12A	20A	5,5	7,5	1NO		55 x 45 x 50mm
	UKC1-12M-1B	12A	20A	5,5	7,5	1NC		55 x 45 x 50mm
	UKC1-16M-1A	16A	20A	7,5	10	1NO		55 x 45 x 50mm
	UKC1-16M-1B	16A	20A	7,5	10	1NC		55 x 45 x 50mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

3P AC Magnetic Contactors - Din Rail Mount

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Auxiliary Contact	Poles	Dimensions H x W x D
	**MCE-D0910**	9A	20A	4	5,5	1NO	3P	74 x 45 x 80mm
	MCE-D0901	9A	20A	4	5,5	1NC		74 x 45 x 80mm
	MCE-D1210	12A	25A	5,5	7,5	1NO		74 x 45 x 80mm
	MCE-D1201	12A	25A	5,5	7,5	1NC		74 x 45 x 80mm
	MCE-D1810	18A	32A	7,5	10	1NO		74 x 45 x 80mm
	MCE-D1801	18A	32A	7,5	10	1NC		74 x 45 x 80mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Auxiliary Contact	Poles	Dimensions H x W x D
	**MCE-D2510**	25A	40A	11	15	1NO	3P	85 x 56 x 93mm
	MCE-D2501	25A	40A	11	15	1NC		85 x 56 x 93mm
	MCE-D3210	32A	50A	15	20	1NO		85 x 56 x 93mm
	MCE-D3201	32A	50A	15	20	1NC		85 x 56 x 93mm
	MCE-D3810	38A	50A	15	20	1NO		85 x 56 x 93mm
	MCE-D3801	38A	50A	15	20	1NC		85 x 56 x 93mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Auxiliary Contact	Poles	Dimensions H x W x D
	**MCE-D4011**	40A	60A	18,5	25		3P	125 x 75 x 114mm
	MCE-D5011	50A	80A	22	30	1NO		125 x 75 x 114mm
	MCE-D6511	65A	80A	30	40	+		125 x 75 x 114mm
	MCE-D8011	80A	125A	37	50	1NC		125 x 75 x 123mm
	MCE-D9511	95A	125A	45	60			125 x 75 x 123mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

3P AC Magnetic Contactors - Base Mount

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-F115**	115A	200A	55	75	3NO	3P	162 x 164 x 165mm
	MCE-F150	150A	250A	75	100			162 x 164 x 165mm
	MCE-F185	185A	275A	90	125			174 x 169 x 176mm
	MCE-F225	225A	300A	110	150			174 x 169 x 176mm
	MCE-F265	265A	350A	132	180			203 x 202 x 207mm
	MCE-F330	330A	400A	160	220			206 x 206 x 213mm
	MCE-F400	400A	500A	220	300			206 x 206 x 213mm
	MCE-F500	500A	700A	275	400			238 x 233 x 226mm
	MCE-F630	630A	1000A	375	500			300 x 310 x 250mm
	UKC1-800-M	800A	1250A	450	610			300 x 310 x 255mm

Available Coil Voltages AC ONLY. *Please Specify:
B=24V, **F**=110V, **M**=230V - 240V, **Q**=400V - 415V or **T**=525V - 550V. **(AC ONLY)**
Top Mount Auxiliaries Available On Page 4

4P AC Magnetic Contactors - Din Rail Mount

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-D12004**	12A	25A	5,5	7,5	4NO	4P	74 x 45 x 80mm
	MCE-D12008	12A	25A	5,5	7,5	2NO + 2NC		74 x 45 x 80mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-D25004**	25A	40A	11	15	4NO	4P	85 x 56 x 93mm
	MCE-D25008	25A	40A	11	15	2NO + 2NC		85 x 56 x 93mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-D40004**	40A	60A	18,5	25	4NO	4P	125 x 80 x 114mm
	MCE-D40008	40A	60A	18,5	25	2NO + 2NC		125 x 80 x 125mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F**=110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

4P AC Magnetic Contactors - Din Rail Mount

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-D50004**	50A	80A	22	30	4NO	4P	125 x 85 x 114mm
	MCE-D50008	50A	80A	22	30	2NO + 2NC		125 x 85 x 125mm
	MCE-D65004	65A	80A	30	40	4NO		125 x 85 x 114mm
	MCE-D65008	65A	80A	30	40	2NO + 2NC		125 x 85 x 128mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F=**110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-D80004**	80A	125A	37	50	4NO	4P	125 x 95 x 120mm
	MCE-D80008	80A	125A	37	50	2NO + 2NC		125 x 95 x 135mm
	MCE-D95004	95A	125A	45	60	4NO		125 x 95 x 120mm
	MCE-D95008	95A	125A	45	60	2NO + 2NC		125 x 95 x 135mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F=**110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

4P AC Magnetic Contactors - Base Mount

Product Image	Part Number	Current Rating AC3	Current Rating AC1	400V kW	400V HP	Main Contact	Poles	Dimensions H x W x D
	**MCE-F115-4**	115A	200A	55	75	4NO	4P	162 x 200 x 170mm
	MCE-F150-4	150A	250A	75	100			170 x 200 x 170mm
	MCE-F185-4	185A	275A	90	125			175 x 210 x 185mm
	MCE-F225-4	225A	300A	110	150			200 x 210 x 185mm
	MCE-F265-4	265A	350A	132	180			205 x 245 x 215mm
	MCE-F330-4	330A	400A	160	220			210 x 260 x 220mm
	MCE-F400-4	400A	500A	220	300			210 x 260 x 220mm
	MCE-F500-4	500A	700A	275	400			240 x 280 x 230mm
	MCE-F630-4	630A	1000A	375	500			300 x 380 x 250mm

Available Coil Voltages AC ONLY. *Please Specify:
B=24V, **F=**110V, **M**=230V - 240V, **Q**=400V - 415V or **T**=525V - 550V. **(AC ONLY)**
Top Mount Auxiliaries Available On Page 4

Control Relay - Base Mount

Product Image	Part Number	Current Rating AC3	Main Contact	Dimensions H x W x D
	**JZC4-22**	10A	2NO + 2NC	125 x 85 x 114mm
	JZC4-31	10A	3NO + 1NC	125 x 85 x 125mm
	JZC4-40	10A	4NO	125 x 85 x 114mm

Available Coil Voltages AC ONLY. *Please Specify:
A=12V, **B**=24V, **E**=48V, **F=**110V, **M**=230V - 240, **Q**=400V - 415 or **T**=525 - 550V. **(AC ONLY)**

AC Magnetic Coils

COILS



UKX-*
AC Magnetic Coil
to fit Mini Contactors
UKC1-6/9/12/16

Available Coil Voltages. *Please Specify:
A=12V, **B=**24V, **E=**48V, **F=**110V, **M=**230V - 240V,
Q=400 - 415V or **T=**525V - 550V. **(AC ONLY)**

COILS



MCX-D2-*
AC Magnetic Coil
to fit Contactors
MCE-D09 /MCE-D12
MCE-D18 / JZC RELAY

Available Coil Voltages. *Please Specify:
A=12V, **B=**24V, **E=**48V, **F=**110V, **M=**230V - 240V,
Q=400 - 415V or **T=**525V - 550V. **(AC ONLY)**

COILS



MCX-D4-*
AC Magnetic Coil
to fit Contactors
MCE-D25 / MCE-D32
MCE-D38

Available Coil Voltages. *Please Specify:
A=12V, **B=**24V, **E=**48V, **F=**110V, **M=**230V - 240V,
Q=400 - 415V or **T=**525V - 550V. **(AC ONLY)**

COILS



MCX-D6-*
AC Magnetic Coil TO FIT MCE-D40 / MCE-D95

Available Coil Voltages. *Please Specify: **A=**12V, **B=**24V, **E=**48V, **F=**110V,
M=230V - 240V, **Q=**400 - 415V or **T=**525V - 550V. **(AC ONLY)**

COIL BASE



MCX-D6-BASE
Base for Coil
MCE-D40 / MCE-D95

"F" SERIES LARGE FRAME CONTACTOR COILS



MCX-FF-*	AC Magnetic Coil	MCE-F115 / MCE-F150
MCX-FG-*	AC Magnetic Coil	MCE-F185 / MCE-F225
MCX-FH-*	AC Magnetic Coil	MCE-F265
MCX-FH-*2**	AC Magnetic Coil	MCE-F330
MCX-FJ-*	AC Magnetic Coil	MCE-F400
MCX-FK-*	AC Magnetic Coil	MCE-F500
MCX-FL-*	AC Magnetic Coil	MCE-F630

Available Coil Voltages AC ONLY. *Please Specify:
B=24V, **F=**110V, **M=**230V - 240V, **Q=**400 - 415V or **T=**525V - 550V. **(AC ONLY)**

Top Mount Auxiliaries

TOP MOUNT AUXILIARY CONTACT BLOCKS



MCE-11



MCE-31

MCE-02	Top Mount Clip-on Auxiliary Block	0 NO & 2 NC
MCE-11	Top Mount Clip-on Auxiliary Block	1 NO & 1 NC
MCE-20	Top Mount Clip-on Auxiliary Block	2 NO & 0 NC
MCE-22	Top Mount Clip-on Auxiliary Block	2 NO & 2 NC
MCE-40	Top Mount Clip-on Auxiliary Block	4 NO & 0 NC
MCE-04	Top Mount Clip-on Auxiliary Block	0 NO & 4 NC
MCE-13	Top Mount Clip-on Auxiliary Block	1 NO & 3 NC
MCE-31	Top Mount Clip-on Auxiliary Block	3 NO & 1 NC

Suitable for contactors: MCE-D09 up to F630





AUXILIARY CONTACT BLOCKS

AU-2M	Top Mount Clip-on Auxiliary Block	1NO & 1NC
AU-4M	Top Mount Clip-on Auxiliary Block	2NO & 2NC

Suitable for: UKC1-6M up to UKC1-16M

Side Mount Auxiliaries



SIDE MOUNT AUXILIARY CONTACT BLOCKS		
MCE-DN11	Side Mount Clip-on Auxiliary Block	1 NO & 1 NC
MCE-DN20	Side Mount Clip-on Auxiliary Block	2 NO

Suitable for contactors: MCE-D09 - D65

Pneumatic Timers



CLIP ON PNEUMATIC TIMERS			
MCEA-DT2	Clip-on Pneumatic Timer- Delay On	0 - 30 seconds	1 NO & 1 NC
MCEA-DT4	Clip-on Pneumatic Timer- Delay On	10 - 180 seconds	1 NO & 1 NC
MCEA-DT6	Clip-on Pneumatic Timer- Delay Off	0 - 30 seconds	1 NO & 1 NC

Suitable for contactors: MCE-D09 up to F630

Mechanical Interlocks



MECHANICAL INTERLOCKS FOR SMALL & MEDIUM FRAME CONTACTORS		
CA9-D01	Mechanical Interlocks	MCE-D09 / D38
CA9-D02	Mechanical Interlocks	MCE-D40 / D65
CA9-D03	Mechanical Interlocks	MCE-D80 / D95



MECHANICAL INTERLOCKS FOR LARGE FRAME "F" SERIES CONTACTORS		
MCE-FF	Mechanical Interlocks	MCE-F115 / 150
MCE-FG	Mechanical Interlocks	MCE-F185 / 225
MCE-FH	Mechanical Interlocks	MCE-F256 / 330
MCE-FJ	Mechanical Interlocks	MCE-F400
MCE-FK	Mechanical Interlocks	MCE-F500
MCE-FL	Mechanical Interlocks	MCE-F630

Contact Kits



SPARE "F" SERIES CONTACT KITS	
MA5-F115	Spare Fixed & Moving Contact Tips
MA5-F150	Spare Fixed & Moving Contact Tips
MA5-F185	Spare Fixed & Moving Contact Tips
MA5-F225	Spare Fixed & Moving Contact Tips
MA5-F265	Spare Fixed & Moving Contact Tips
MA5-F330	Spare Fixed & Moving Contact Tips
MA5-F400	Spare Fixed & Moving Contact Tips
MA5-F500	Spare Fixed & Moving Contact Tips
MA5-F630	Spare Fixed & Moving Contact Tips

Thermal Overlaod Relays

Product Image	Part Number	Current Rating Amps	400V kW	400V HP	Suitable Frame Size	Dimensions H x W x D
	**MCE2-D130 25**	0.16 - 0.25	0.06	-	MCE-D09-D32 Contactors Small Frame	90 x 44 x 60
	MCE2-D130 4	0,25 - 0.40	0.09	1/8		
	MCE2-D130 63	0.40 - 0.63	0.20	1/4		
	MCE2-D131 0	0.63 - 1.0	0.37	1/2		
	MCE2-D131 6	1.0 - 1.6	0,55	3/4		
	MCE2-D132 0	1.25 - 2.0	0.57	3/4		
	MCE2-D132 5	1.6 - 2.5	0.75	1		
	MCE2-D134 0	2.5 - 4.0	1.5	2		
	MCE2-D136 0	4.0 - 6.0	2.2	3		
	MCE2-D138 0	5.5 - 8.0	3.0	4		
	MCE2-D1310 0	7 - 10	4.0	5		
	MCE2-D1313 0	9 - 13	5.5	7.5		
	MCE2-D1318 0	12 - 18	7.5	10		
	MCE2-D1325 0	17 - 25	11	15		
	MCE2-D1332 0	23 - 32	15	20		
	MCE2-D2332 0	23 - 32	15	20	MCE-D25-D38 Contactors Medium Frame	90 x 54 x 70
	MCE2-D2336 0	28 - 36	18,5	25		
	MCE2-D2340 0	30 - 40	18,5	25		

Product Image	Part Number	Current Rating Amps	400V kW	400V HP	Suitable Frame Size	Dimensions H x W x D
	**MCE2-D3332 0**	23 - 32	15	20	MCE-D40-D95 Contactors Large Frame	112 x 74 x 80
	MCE2-D3336 0	28 - 36	18,5	25		
	MCE2-D3340 0	30 - 40	18,5	25		
	MCE2-D3350 0	37 - 50	22	30		
	MCE2-D3365 0	48 - 65	30	40		
	MCE2-D3370 0	55 - 70	30	40		
	MCE2-D3380 0	63 - 80	37	50		
	MCE2-D3393 0	80 - 93	45	60		
	MCE2-D43120	95 - 120	55	75	MCE-D40-D95 Contactors Large Frame	112 x 95 x 135
	MCE2-D43140	110 - 140	70	100		

Product Image	Part Number	Current Rating Amps	400V kW	400V HP	Suitable Frame Size	Dimensions H x W x D
	**MR9-F200-150**	90 - 150	75	100	MCE-F Range Contactors	112 x 95 x 135
	MR9-F200-220	132 - 220	110	150		112 x 95 x 135
	MR9-F630-330	200 - 330	160	220		155 x 140 x 135
	MR9-F630-500	300 - 500	250			155 x 140 x 135
	MR9-F630-630	380 - 630	315			155 x 140 x 135

Free Standing Overload Bases



OVERLOAD ACCESSORIES	
CA7-D13	Free Standing Base for Overloads MCE2 - 25 (Small Frame)
CA7-D23	Free Standing Base for Overloads MCE2 - 36 (Medium Frame)
CA7-D33	Free Standing Base for Overloads MCE2 - 93 (Large Frame)

Manual Motor Starters

Product Image	Part Number	kW Rating @ 400V	Current Rating
	**DZS12-M05**	0,37kW	0,63 - 1,0A
	DZS12-M06	0,55kW	1,0 - 1,6A
	DZS12-M07	0,75kW	1,6 - 2,5A
	DZS12-M08	1,5kW	2,5 - 4,0A
	DZS12-M10	2,2kW	4,0 - 6,3A
	DZS12-M14	4,0kW	6,0 - 10A
	DZS12-M16	5,5kW	9,0 - 14A
	DZS12-M20	7,5kW	13 - 18A
	DZS12-M21	10kW	17 - 23A
	DZS12-M22	11kW	20 - 25A
	DZS12-M32	15kW	24 - 32A

Product Image	Part Number	kW Rating @ 400V	Current Rating
	**DZS12-M40**	18,5kW	25 - 40A
	DZS12-M63	30kW	40 - 63A
	DZS12-M80	37kW	56 - 80A

MANUAL MOTOR STARTERS - ACCESSORIES (FOR M05 TO M32 ONLY)



DZS12-MC
IP55 Transparent Enclosure Cover Suitable for Manual Motor Starters DZS12-M05 up to DZS12-M32



DZS-AE11

1N/O + 1N/C Auxiliary (top mount)



DZS-AN11
1N/O + 1N/C Auxiliary (side mount)

DZS-AN20
2N/O Auxiliary (side mount)



DZS-AU115	110V Under Voltage Trip
DZS-AS115	110V Shunt Trip
DZS-AU225	220V-240V Under Voltage Trip
DZS-AS225	220V-240V Shunt Trip
DZS-AU385	380V Under Voltage Trip
DZS-AS385	380V Shunt Trip

MANUAL MOTOR STARTERS - ACCESSORIES (FOR M40 TO M80 ONLY)



DZS12-A01	1 N/O + 1 N/C Auxiliary (side mount)
DZS12-A02	2 N/O Auxiliary (side mount)
DZS12-A03	1 N/C + 1 N/O + 1 N/O Auxiliary (side mount)
DZS12-A05	1 N/O + 1N/O + 1 N/O Auxiliary (side mount)

DOL Starter IP54 - Empty Enclosure Only - With Pushbuttons

Product Image	Part Number	kW Rating @ 400V	Dimensions
	**MCE1-D12-EH**	Fits Up To 5.5kw	170(L) x 90(W) x 120(D)
	MCE1-D18-EH	Fits Up To 7.5kw	170(L) x 90(W) x 120(D)
	MCE1-D25-EH	Fits Up To 11kw	185(L) x 100(W) x 140(D)

DOL Starter IP54 - No Overload

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
 *Please specify voltage	**MCE1-D123**	5,5kW	7,5	No Overload
	MCE1-D188	7,5kW	10	

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
 *Please specify voltage	**MCE1-D255**	11kW	15	No Overload
	MCE1-D325	15kW	20	

DOL Starter IP41 - No Overload

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
 *Please specify voltage	**MCE1-D405**	18,5kW	25	No Overload
	MCE1-D505	22kW	30	
	MCE1-D655	30kW	40	

DOL Starter IP54 - With Overload

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
 *Please specify voltage	**MCE1-D1231.0**	0,37kW	1/2	0,63 - 1,0A
	MCE1-D1231.6	0,55kW	3/4	1,0 - 1,6A
	MCE1-D1232 0	0,75kW	1	1,25 - 2,0A
	MCE1-D1232 5	1,1kW	1,5	1,6 - 2,5A
	MCE1-D1234.0	1,5kW	2	2,5 - 4,0A
	MCE1-D1236 0	2,2kW	3	4,0 - 6,0A
	MCE1-D1238.0	3,0kW	4	5,5 - 8,0A
	MCE1-D12310.0	4,0kW	5	7,0 - 10A
	MCE1-D12313.0	5,5kW	7,5	9,0 - 13A
	MCE1-D18818 0	7,5kW	10	12 - 18A
	MCE1-D25525 0	11kW	15	17 - 25A
	MCE1-D32532 0	15kW	20	23 - 32A

DOL Starter IP41 - With Overload

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
	**MCE1-D40140**	18,5kW	25	30 - 40A
	MCE1-D50150	22kW	30	37 - 50A
	MCE1-D65165	30kW	40	48 - 65A

DOL Starter IP55 - With Isolator - With Overload

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
	**MCE1-12TICE 1.0**	0,37kW	1/2	0,63 - 1,0A
	MCE1-12TICE 1.6	0,55kW	3/4	1,0 - 1,6A
	MCE1-12TICE 2.0	0,75kW	1	1,25 - 2,0A
	MCE1-12TICE 2.5	1,1kW	1,5	1,6 - 2,5A
	MCE1-12TICE 4.0	1,5kW	2	2,5 - 4,0A
	MCE1-12TICE 6.0	2,2kW	3	4,0 - 6,0A
	MCE1-12TICE 8.0	3,0kW	4	5,5 - 8,0A
	MCE1-12TICE 10	4,0kW	5	7,0 - 10A
	MCE1-12TICE 13	5,5kW	7,5	9,0 - 13A
	MCE1-18TICE 18	7,5kW	10	12 - 18A
	MCE1-25TICE 25	11kW	15	17 - 25A
	MCE1-32TICE 32	15kW	20	23 - 32A

DOL Starter IP55 - With Isolator - With Overload

Product Image	Part Number	kW Rating @ 400V	HP	Current Rating
	**MCE1-40TICE 40**	18,5kW	25	30 - 40A
	MCE1-50TICE 50	22kW	30	37 - 50A
	MCE1-60TICE 65	30kW	40	48 - 65A
	MCE1-80TICE 80	37kW	50	63 - 80A

- Pre-wired available in 400VAC - Other Voltages made up to order
- Enclosed types in IP55 Orange Mild Steel Enclosures (except Open type)
- Complete with Contactors, Thermal overload relay, Mechanical interlock, Timer & control devices (except Open type - No control devices, only wired to terminals.)

DESCRIPTION OF STAR DELTA STARTER TYPES

TYPE 1 (1K) STAR DELTA:
Open type on Din rail with Mains and Control wiring.

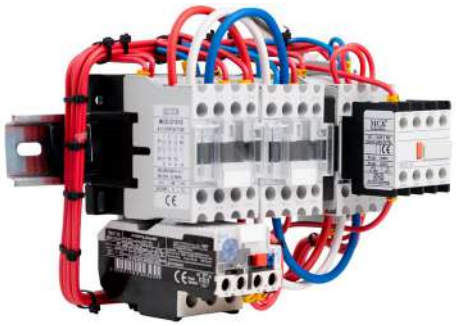
TYPE 2 (2K) STAR DELTA:
Enclosed with Pushbuttons and Isolator.

TYPE 3 (3K) STAR DELTA:
Enclosed with Pushbuttons.

TYPE 4 (4K) STAR DELTA:
Enclosed with Pushbuttons and Ammeter.

TYPE 5 (5K) STAR DELTA:
Enclosed with Pushbuttons, Isolator and Ammeter.

Star Delta Starter - Type 1 - (Open Type)

Product Image	Part Number	kW Rating @ 400V	Overload Ref.	Description
 Type 1	**MCE-1K-5 5**	5,5kW	MCE2-D138 0	Open Star Delta
	MCE-1K-7 5	7,5kW	MCE2-D1310 0	
	MCE-1K-11 0	11kW	MCE2-D1318 0	
	MCE-1K-15 0	15kW	MCE2-D1318 0	
	MCE-1K-18 5	18,5kW	MCE2-D1325 0	
	MCE-1K-22 0	22kW	MCE2-D2332 0	
	MCE-1K-30 0	30kW	MCE2-D2340 0	
	MCE-1K-37 0	37kW	MCE2-D3350 0	
	MCE-1K-45 0	45kW	MCE2-D3365 0	
	MCE-1K-55 0	55kW	MCE2-D3370 0	
	MCE-1K-75 0	75kW	MCE2-D3370 0	
	MCE-1K-90 0	90kW	MCE2-D3393 0	
	MCE-1K-110 0	110kW	MCE2-D43140	
	MCE-1K-132 0	132kW	MR9-F200-220	
	MCE-1K-160 0	160kW	MR9-F200-220	

Star Delta Starter - Type 2 - (Enclosed With Isolator)

Product Image	Part Number	kW Rating @ 400V	Overload Ref.	Description
 Type 2	**MCE-2K-5 5**	5,5kW	MCE2-D138 0	Enclosed With Isolator
	MCE-2K-7 5	7,5kW	MCE2-D1310 0	
	MCE-2K-11 0	11kW	MCE2-D1318 0	
	MCE-2K-15 0	15kW	MCE2-D1318 0	
	MCE-2K-18 5	18,5kW	MCE2-D1325 0	
	MCE-2K-22 0	22kW	MCE2-D2332 0	
	MCE-2K-30 0	30kW	MCE2-D2340 0	
	MCE-2K-37 0	37kW	MCE2-D3350 0	
	MCE-2K-45 0	45kW	MCE2-D3365 0	
	MCE-2K-55 0	55kW	MCE2-D3370 0	
	MCE-2K-75 0	75kW	MCE2-D3370 0	
	MCE-2K-90 0	90kW	MCE2-D3393 0	
	MCE-2K-110 0	110kW	MCE2-D43140	
	MCE-2K-132 0	132kW	MR9-F200-220	
	MCE-2K-160 0	160kW	MR9-F200-220	

- Pre-wired available in 400VAC - Other Voltages made up to order
- Enclosed types in IP55 Orange Mild Steel Enclosures (except Open type)
- Complete with Contactors, Thermal overload relay, Mechanical interlock, Timer & control devices (except Open type - No control devices, only wired to terminals.)

Star Delta Starter - Type 3 - (Enclosed With Pushbuttons)

Product Image	Part Number	kW Rating @ 400V	Overload Ref.	Description
 Type 3	**MCE-3K-5 5**	5,5kW	MCE2-D138 0	Enclosed With Pushbutton
	MCE-3K-7 5	7,5kW	MCE2-D1310 0	
	MCE-3K-11 0	11kW	MCE2-D1318 0	
	MCE-3K-15 0	15kW	MCE2-D1318 0	
	MCE-3K-18 5	18,5kW	MCE2-D1325 0	
	MCE-3K-22 0	22kW	MCE2-D1332 0	
	MCE-3K-30 0	30kW	MCE2-D2340 0	
	MCE-3K-37 0	37kW	MCE2-D3350 0	
	MCE-3K-45 0	45kW	MCE2-D3365 0	
	MCE-3K-55 0	55kW	MCE2-D3370 0	
	MCE-3K-75 0	75kW	MCE2-D3370 0	
	MCE-3K-90 0	90kW	MCE2-D3393 0	
	MCE-3K-110 0	110kW	MCE2-D43140	
	MCE-3K-132 0	132kW	MR9-F200-220	
	MCE-3K-160 0	160kW	MR9-F200-220	

Star Delta Starter - Type 4 - (Enclosed With Ammeter)

Product Image	Part Number	kW Rating @ 400V	Overload Ref.	Description
 Type 4	**MCE-4K-5 5**	5,5kW	MCE2-D138 0	Enclosed With Ammeter
	MCE-4K-7 5	7,5kW	MCE2-D1310 0	
	MCE-4K-11 0	11kW	MCE2-D1318 0	
	MCE-4K-15 0	15kW	MCE2-D1318 0	
	MCE-4K-18 5	18,5kW	MCE2-D1325 0	
	MCE-4K-22 0	22kW	MCE2-D1332 0	
	MCE-4K-30 0	30kW	MCE2-D2340 0	
	MCE-4K-37 0	37kW	MCE2-D3350 0	
	MCE-4K-45 0	45kW	MCE2-D3365 0	
	MCE-4K-55 0	55kW	MCE2-D3370 0	
	MCE-4K-75 0	75kW	MCE2-D3370 0	
	MCE-4K-90 0	90kW	MCE2-D3393 0	
	MCE-4K-110 0	110kW	MCE2-D43140	
	MCE-4K-132 0	132kW	MR9-F200-220	
	MCE-4K-160 0	160kW	MR9-F200-220	

Star Delta Starter - Type 5 - (Enclosed With Ammeter & Isolator)

Product Image	Part Number	kW Rating @ 400V	Overload Ref.	Description
 Type 5	**MCE-5K-5 5**	5,5kW	MCE2-D138 0	Enclosed With Ammeter & Isolator
	MCE-5K-7 5	7,5kW	MCE2-D1310 0	
	MCE-5K-11 0	11kW	MCE2-D1318 0	
	MCE-5K-15 0	15kW	MCE2-D1318 0	
	MCE-5K-18 5	18,5kW	MCE2-D1325 0	
	MCE-5K-22 0	22kW	MCE2-D1332 0	
	MCE-5K-30 0	30kW	MCE2-D2340 0	
	MCE-5K-37 0	37kW	MCE2-D3350 0	
	MCE-5K-45 0	45kW	MCE2-D3365 0	
	MCE-5K-55 0	55kW	MCE2-D3370 0	
	MCE-5K-75 0	75kW	MCE2-D3370 0	
	MCE-5K-90 0	90kW	MCE2-D3393 0	
	MCE-5K-110 0	110kW	MCE2-D43140	
	MCE-5K-132 0	132kW	MR9-F200-220	
	MCE-5K-160 0	160kW	MR9-F200-220	

- Pre-wired available in 400VAC - Other Voltages made up to order.
- Enclosed types in IP65 PVC Enclosure or Orange IP55 Mild Steel Enclosures (except open type)
- Complete with Contactors, Mechanical Interlock & Control devices (except Open type - No control devices, only wired to terminals.)
- SUPPLIED WITHOUT OVERLOAD

Reversing Starter - Type 1 - (Open Type) - No Overload

Product Image	Part Number	kW Rating @ 400V	HP @ 400V	Description
	**MCER12T1-**	5,5kW	UP to 7,5	Open Type With Mains Wiring Only
	MCER18T1-	7,5kW	10	
	MCER25T1-	11kW	15	
	MCER32T1-	15kW	20	
	MCER40T1-	18,5kW	25	
	MCER50T1-	22kW	30	
	MCER65T1-	30kW	40	
	MCER80T1-	37kW	50	

Reversing Starter - Type 2 - (Open Type) - No Overload

Product Image	Part Number	kW Rating @ 400V	HP @ 400V	Description
	**MCER12T2-**	5,5kW	UP to 7,5	Open Type With Mains & Control Wiring
	MCER18T2-	7,5kW	10	
	MCER25T2-	11kW	15	
	MCER32T2-	15kW	20	
	MCER40T2-	18,5kW	25	
	MCER50T2-	22kW	30	
	MCER65T2-	30kW	40	
	MCER80T2-	37kW	50	

Reversing Starter - Type 3 - (Enclosed Type) - No Overload

Product Image	Part Number	kW Rating @ 400V	HP @ 400V	Description
	**MCER12T3-**	5,5kW	UP to 7,5	Enclosed With Pushbuttons & Wiring
	MCER18T3-	7,5kW	10	
	MCER25T3-	11kW	15	
	MCER32T3-	15kW	20	
	MCER40T3-	18,5kW	25	
	MCER50T3-	22kW	30	
	MCER65T3-	30kW	40	
	MCER80T3-	37kW	50	

Reversing Starter - Type 4 - (Enclosed Type) - No Overload

Product Image	Part Number	kW Rating @ 400V	HP @ 400V	Description
	**MCER12T4-**	5,5kW	UP to 7,5	Enclosed With Pushbuttons, Wiring & Isolator
	MCER18T4-	7,5kW	10	
	MCER25T4-	11kW	15	
	MCER32T4-	15kW	20	
	MCER40T4-	18,5kW	25	
	MCER50T4-	22kW	30	
	MCER65T4-	30kW	40	
	MCER80T4-	37kW	50	

22mm STEEL PUSHBUTTONS



11 NO
21 NO
31 NO
42 NC
51 NO
61 NO

XB2-BA
Flat Head Pushbutton 1 NO or NC
*Please specify colour

22mm STEEL EXTENDED HEAD PUSHBUTTONS



11 NO
21 NO
31 NO
42 NC
51 NO
61 NO

XB2-BL
Extended Head Pushbutton 1 NO or NC
*Please specify colour

22mm STEEL ILLUMINATED PUSHBUTTONS



3161 NO
3361 NO
3461 NC
3561 NO
3661 NO

XB2-BW
Illuminated Pushbutton LED
1 NO or NC
*Add Voltage (12V; 24V; 48V; 110V; 230VAC)

22mm STEEL ON-OFF PUSHBUTTONS

XB2-BL8425

Non-illuminated
On - Off Pushbutton
1 NO + 1 NC
Red/Green



XB2-BW8465

Illuminated On-Off Pushbutton LED
1 NO + 1 NC
Yellow INDICATION
*Add Voltage (12V; 24V; 48V; 110V; 230V)



EMERGENCY STOPS



XB2-BC42
Non-latching E/Stop
40mm 1 NC Red



XB2-BS442
Latching E/Stop - Twist to release
30mm 1 NC Red



XB2-BT42
Push - Pull E/Stop -
40mm 1 NC Red



XB2-BS542
Latching E/Stop - Twist to release
40mm1 NC Red



XB2-BS542-G
Latching E/Stop - Twist to release
40mm 1 NO Green



XB2-BS142
Latching E/Stop - Key Operated
40mm 1 NC Red



XB2-BS642
Latching E/Stop - Twist to
release - 60mm 1 NC Red



XB2-BS242
Latching E/Stop - Key
Operated - 60mm 1 NC Red

ILLUMINATED SELECTOR SWITCHES

NEW!



XB2-GR2361
Green Illuminated 2 Pos.
Selector Switch -
Short Handle
1 NO Green

*Lamp Not Included
*Add Voltage (12V; 24V; 48V; 110V; 230VAC)
On Page 14

NEW!



XB2-GR3361
Green Illuminated 3 Pos.
Selector Switch -
Short Handle
2 NO Green

*Lamp Not Included
*Add Voltage (12V; 24V; 48V; 110V; 230VAC)
On Page 14

SELECTOR SWITCHES



XB2-BD21
2 Pos. Selector Switch -
Short Handle 1 NO Black

XB2-BD41
2 Pos. Selector Switch -
Spring Return 1 NO Black



XB2-BD33
3 Pos. Selector Switch -
Short Handle 2 NO Black

XB2-BD53
3 Pos. Selector Switch -
Spring Return 2 NO Black



XB2-BJ21
2 Pos. Selector Switch - Long
Handle1 NO Black

XB2-BJ33
3 Pos. Selector Switch - Long
Handle 2 NO Black

KEY SWITCHES



XB2-BG21
2 Pos. Key Switch - Remove in Off
1 NO Black

XB2-BG41
2 Pos. Key Switch - Remove in 2 Pos.
1 NO Black

XB2-BG61
2 Pos. Spring Return Key Switch - Remove in Off
1 NO Black



XB2-BG03
3 Pos. Key Switch - Remove in 3 Pos.
2 NO Black

XB2-BG33
3 Pos. Key Switch - Remove in Off
2 NO Black

XB2-BG73
3 Pos. Spring Return Key Switch - Remove in Off
2 NO Black

PILOT LIGHTS - MULTI VOLTAGE - BUILT IN TRANSFORMER



XB2-BV7
Pilot Light 230VAC LED

1	W
3	G
4	R
5	Y
6	B

LED PILOT LIGHTS



AD22-DS-
One Piece multi chip 22mm LED Pilot light 24VAC/DC, 110VAC/DC, 230VAC & 400VAC ONLY
*Please specify voltage & colour

W	
G	
R	
Y	
B	

ECONOMY PUSHBUTTONS



XB7-EA
Economy Pushbutton 1NO, RED = 1 NC
(10A @ 250VDC)
*Please specify colour

11	
21	
31	
42	
51	
61	

LED LAMPS - BA9 TYPE



LED-
8 Pin Cluster Type LED 12VAC/DC, 24VAC/DC, 48VAC/DC, 110VAC/DC, 230VAC ONLY
*Please specify colour & voltage

W	
G	
R	
Y	
B	

AUXILIARY CONTACT BLOCKS - (10A @ 400VAC)



ZB2-BE101
Contact/Adder blocks NO Green

ZB2-BE102
Contact/Adder blocks NC Red

16MM PILOT LIGHTS



ND16*-*
16mm LED Pilot Light *Add colour of lens (red, blue, yellow, green or white) -
*Add Voltage (12V; 24V; 110V; 230V)

12MM PILOT LIGHTS

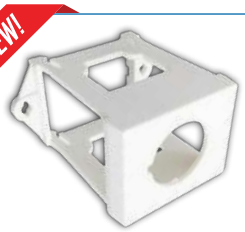


MDX-12C-M
12mm NEON Pilot Light 230V

R

22MM DIN RAIL ADAPTOR

NEW!



5820
Din Rail Mounting Adaptor for 22mm Device (58x45x31mm)

ACCESSORIES



ZB2-BASE	Fixing Ring for Pushbuttons	-
ZB2-BG21	2 Pos. Key Switch - Remove in Off - Head Only	Black
ZB2-HP	22mm Hole Plug	Black
P-DEVICE-EH	Padlock Device for Extended P/Button	Black
P-BOOT-G	Protective Neoprene Boot	Green
P-BOOT-R	Protective Neoprene Boot	Red
P-BOOT-C	Protective Neoprene Boot	Clear
P-BOOT-E-C	Protective Neoprene Boot for illum.& Ext Head P/Button	Clear
P-BOOT-8465	Protective Neoprene Boot for illum. On-Off P/Button	Clear
P-BOOT-8425	Protective Neoprene Boot for On-Off P/Button	Clear

- Suitable for 22mm diameter hole
- Panel mounted. • Corrosion resistant - Ideal for coastal regions.
- Suitable for all control panel applications

PUSHBUTTONS



BL ●
G ●
R ●
Y ●
B ●
W ○

NB2-F11
Flat Head Pushbutton 22mm
1NO 1NC. Available in Black, green, red, yellow, blue & white. *Please Specify

EMERGENCY STOP



04362

Latching E/Stop - 40mm 1 NC Red

EMERGENCY STOP & ENCLOSURE



04381
Emergency Stop - twist to release in yellow enclosure

BUZZERS



04307
24 VAC/DC Panel Mount Buzzer 22mm

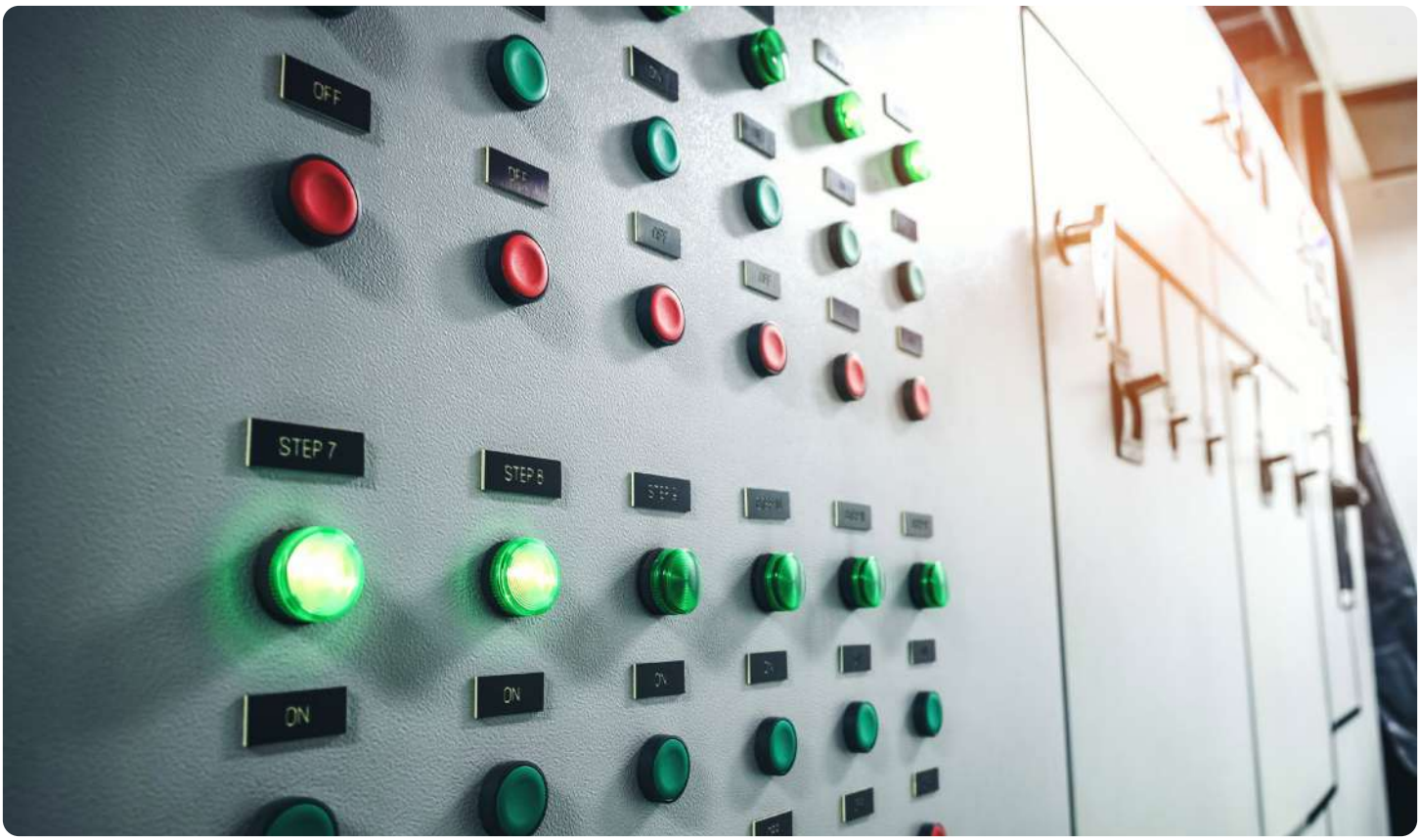
04309
230 VAC Panel Mount Buzzer 22mm

BUZZERS AND FLASHER UNITS



04317
24 VAC/DC Panel Mount
LED Flasher/Buzzer 22mm

04319
230 VAC Panel Mount
LED Flasher/Buzzer 22mm



22mm AC Digital Ammeters - With Current Transformer

Product Image	Part Number	CT Current Rating	Voltage	Colour
	**AD22-22AM-W**	100 Amp	50VAC - 380VAC	○
	AD22-22AM-G	100 Amp	50VAC - 380VAC	●
	AD22-22AM-R	100 Amp	50VAC - 380VAC	●
	AD22-22AM-Y	100 Amp	50VAC - 380VAC	●
	AD22-22AM-B	100 Amp	50VAC - 380VAC	●

22mm AC Digital Voltage Meters

Product Image	Part Number	Voltage	Colour
	**AD22-22VM-AC-W**	20VAC - 500VAC	○
	AD22-22VM-AC-G	20VAC - 500VAC	●
	AD22-22VM-AC-R	20VAC - 500VAC	●
	AD22-22VM-AC-Y	20VAC - 500VAC	●
	AD22-22VM-AC-B	20VAC - 500VAC	●

22mm DC Digital Voltage Meters

Product Image	Part Number	Voltage	Colour
	**AD22-22VM-DC-G**	5VDC - 60VDC	●
	AD22-22VM-DC-R	5VDC - 60VDC	●

22mm AC Digital Hertz Meters

Product Image	Part Number	Frequency	Voltage	Colour
	**AD22-22HZ-W**	0 - 99Hz	24VAC - 525VAC	○
	AD22-22HZ-G	0 - 99Hz	24VAC - 525VAC	●
	AD22-22HZ-R	0 - 99Hz	24VAC - 525VAC	●
	AD22-22HZ-Y	0 - 99Hz	24VAC - 525VAC	●
	AD22-22HZ-B	0 - 99Hz	24VAC - 525VAC	●

22mm Temperature Meters

Product Image	Part Number	Temperature	Voltage	Colour
	**AD22-22TM-W**	0°C - 199°C	50VAC - 380VAC	○
	AD22-22TM-G	0°C - 199°C	50VAC - 380VAC	●
	AD22-22TM-R	0°C - 199°C	50VAC - 380VAC	●
	AD22-22TM-Y	0°C - 199°C	50VAC - 380VAC	●
	AD22-22TM-B	0°C - 199°C	50VAC - 380VAC	●

22mm Digital 3-IN-1 Meters

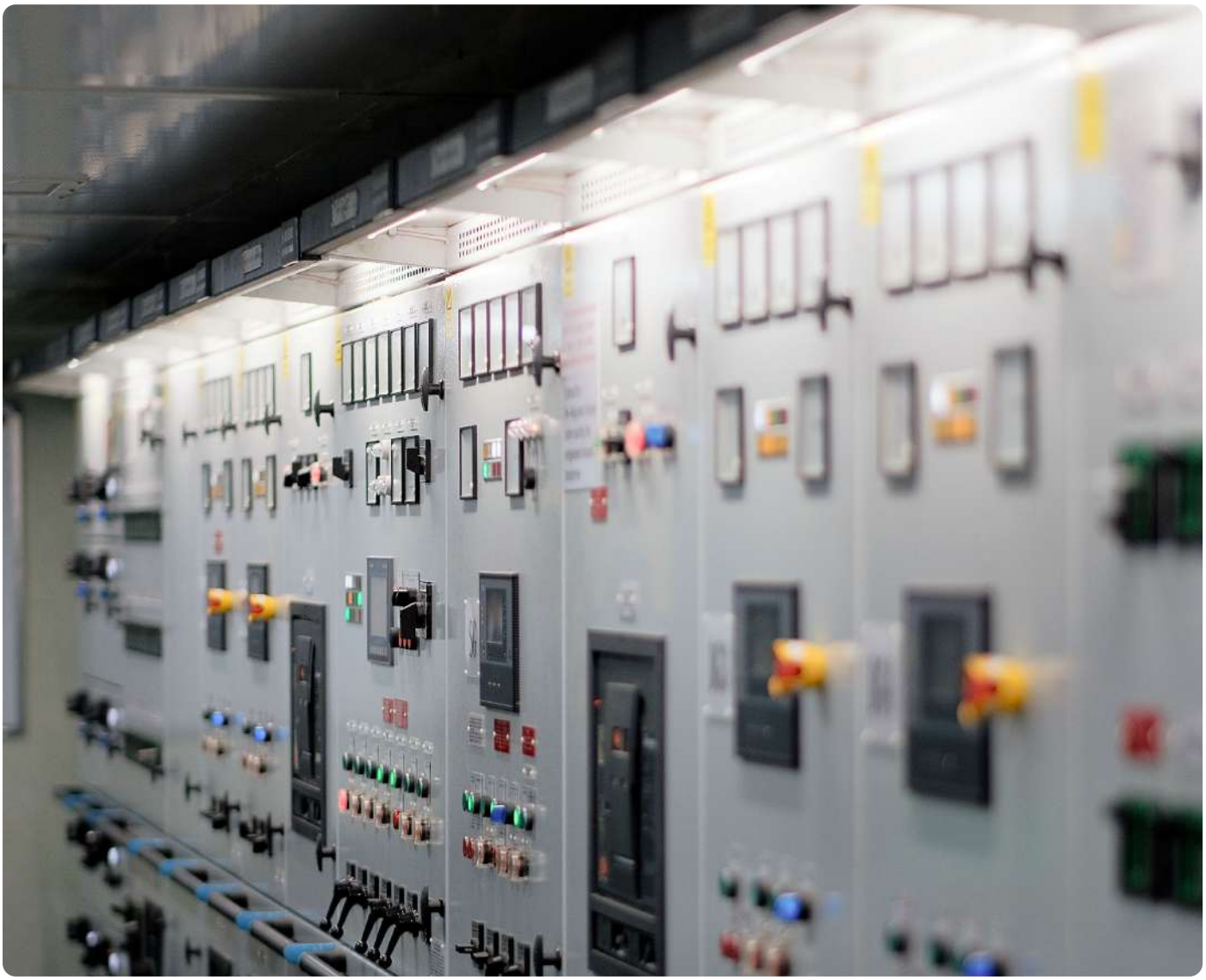
Product Image	Part Number	Description	Colour
	**AD22-VHA-G**	AC Ammeter With 100A Current Transformer 50VAC - 500VAC Only	●
	AD22-VHA-R	AC Voltmeter 50VAC - 500VAC Only AC Hertz Meter 50VAC - 500VAC Only	●

Extension Cord



AD22-1M-C

1 METER EXTENSION CORD FOR THE AD22-22 RANGE AMMETER WITH CURRENT TRANSFORMER





PILOT LIGHTS- ø 12mm - 220VAC

12FJ-R-*
12mm Pilot Lights 220VAC
*Please specify colour

G
R
B
W
Y



PILOT LIGHTS- ø 16mm - 220VAC

16FJ-R-*
16mm Pilot Lights 220VAC
*Please specify colour

G
R
Y

PUSHBUTTON- ø 16mm - 5A @ 250VAC



GQ16-SH
Convex Head Pushbutton 1NO
Screw Terminal

PUSHBUTTON- ø 16mm - 5A @ 250VAC



GQ16-RH
Raised Head Pushbutton 1NO
Screw Terminal

PUSHBUTTON- ø 16mm - 5A @ 250VAC



GQ16-FH
Flat Head Pushbutton 1NO
Screw Terminal

PUSHBUTTON- ø 22mm - 5A @ 250VAC



GQ22-11
Momentary Pushbutton 1NO+1NC
Pin Terminal

ALUMINIUM ANODIZED EMERGENCY STOP



GQ19-11-ES
Latching Emergency Stop **19mm**
1NO & 1NC Pin Terminal. Twist to Release



PVC EMPTY CONTROL STATIONS FOR 22mm CONTROL DEVICES




W ○
Y ●

MCE-1E 1 Hole Empty Station
Available in Yellow or White.
*Please specify colour



MCE-2E
2 Hole Empty Station White



MCE-3E
3 Hole Empty Station White



MCE-4E
4 Hole Empty Station White



MCE-5E
5 Hole Empty Station White



MCE-6E
6 Hole Empty Station White

ALUMINIUM EMPTY CONTROL STATIONS FOR 22mm CONTROL DEVICES



G085.54.1H
87 x 87 x 61 mm - 1 Hole Empty Station
Complete with Earth Stud



G120.68.2H
122 x 75 x 75 mm - 2 Hole Empty Station
Complete with Earth Stud



G120.68 3H
122 x 75 x 75 mm - 3 Hole Empty Station
Complete with Earth Stud



G250.68 4H
252 x 87 x 75 mm -
4 Hole Empty Station
Complete with Earth Stud



G250.68 5H
252 x 87 x 75 mm -
5 Hole Empty Station
Complete with Earth Stud

ALUMINIUM ENCLOSURES



G085.54	87 x 87 x 61mm - Enclosure
G100.54	102 x 102 x 61mm - Enclosure
G100.74	102 x 102 x 81mm - Enclosure
G120.68	122 x 75 x 75mm - Enclosure
G150.74	152 x 102 x 81mm - Enclosure
G200.74	202 x 102 x 81mm - Enclosure
G200.114	202 x 102 x 114mm - Enclosure
G250.68	252 x 87 x 75mm - Enclosure
G260.84	265 x 130 x 91mm - Enclosure
E160.135	160 x 135 x 91mm - Enclosure
E245.210	245 x 210 x 102mm - Enclosure
E295.255	295 x 255 x 130mm - Enclosure
FCL.4	70 x 70 x 51mm - Enclosure
FCL.6	100 x 100 x 81mm - Enclosure

1 WAY CONTROL STATIONS



MCE-1
White PVC Enclosure 1 x Green pushbutton

MCE-1-A
Aluminium Enclosure 1 x Green pushbutton



MCE-2
White PVC Enclosure 1 x Red pushbutton

MCE-2-A
Aluminium Enclosure 1 x Red Pushbutton



MCE-3
White PVC Enclosure E/Stop Non Latching Mushroom head

G
Y



MCE-4
Yellow or White PVC Enclosure with E/Stop Twist to release Mushroom head.
*Please specify colour

MCE-4-A
Aluminium Enclosure with E/Stop Twist to release Mushroom head



MCE-5
White PVC Enclosure E/Stop Key to release Mushroom head

MCE-5-A
Aluminium Enclosure E/Stop Key to release Mushroom head

2 WAY CONTROL STATIONS



MCE-6
White PVC Enclosure 1 x Green & 1 x Red Pushbutton

MCE-6-A
Aluminium Enclosure 1 x Green & 1 x Red Pushbutton



MCE-6A
White PVC Enclosure 1 x Green pushbutton & Emergency Stop - (Non latching)

MCE-6A-A
Aluminium Enclosure 1 x Green pushbutton & Emergency Stop - (Non latching)



MCE-7
White PVC Enclosure 1 x Green pushbutton & Emergency Stop-(latching)

MCE-7-A
Aluminium Enclosure 1 x Green pushbutton & Emergency Stop - (latching)

3 WAY CONTROL STATIONS



MCE-8
White PVC Enclosure 3 x Pushbuttons



MCE-8-A
Aluminium Enclosure 3 x Pushbuttons



MCE-9
White PVC Enclosure 3 x Pushbuttons



MCE-9-A
Aluminium Enclosure 3 x Pushbuttons



MCE-10
White PVC Enclosure 2 x Pushbuttons & Pilot Light



MCE-10-A
Aluminium Enclosure 2 x Pushbuttons & Pilot Light

*SPECIAL COMBINATIONS CAN BE MADE ON REQUEST

EMERGENCY STOP ACCESSORIES



ESLOC
22mm Padlockable Emergency stop protection cover



ESL
22mm Emergency stop label Yellow



ESPC
22mm Emergency stop protection cover Yellow



PCS442
Emergency Stop Slotted Shroud Yellow



PCS542
Emergency Stop Lock Shroud Yellow

PANEL PLUGS AND REDUCING RINGS



PP-16
16mm Panel Plug Black
PP-22
22mm Panel Plug Black
R-3022
30mm to 22mm reducing ring Black

LEGEND PLATES - PLASTIC WITH INSERT



*Control Device sold separately

ZB2-LH Legend Plate holder Black

Customised Labels can be made ON REQUEST

TOGGLE SWITCHES - 12mm Ø - 16A @ 250VAC - Screw Terminals



T1021
Toggle Switch - Single Pole On/Off



T1121
Toggle Switch - Single Pole On/On



T1122
Toggle Switch - Single Pole On/Off/On



T1122B
Toggle Switch - Spring return Single Pole On/Off/On



T1221
Toggle Switch - Double Pole On/Off



T1321
Toggle Switch - Double Pole On/On



T1322
Toggle Switch - Double Pole On/Off/On



T1121B
Toggle Switch Spring return Single Pole On/On



T1021B
Toggle Switch Spring return Single Pole On/Off



T-BOOT
Toggle Switch Rubber Boot

LATCHING TRIPLE POLE PUSHBUTTON STATIONS

LATCHING TRIPLE POLE PUSHBUTTON STATION - SURFACE MOUNT



BS-211B 10A Latching Pushbutton - 3 Pole Grey
BS-215B 15A Latching Pushbutton - 3 Pole Grey
BS-230B 30A Latching Pushbutton - 3 Pole Grey

LATCHING TRIPLE POLE PUSHBUTTON STATION - FLUSH MOUNT



BS-215F
15A Latching Pushbutton - 3 Pole Grey

BS-230F
30A Latching Pushbutton - 3 Pole Grey

PENDANT CONTROLS FOR 1 SPEED CRANE APPLICATION, SINGLE DEPRESSION PUSH BUTTONS - 1 NO



XAC-A271
2 Pushbuttons 1NO

XAC-A2713
2 Pushbuttons + E/Stop 1NO



XAC-A471
4 Pushbuttons 1NO

XAC-A4713
4 Pushbuttons + E/Stop 1NO



XAC-A671
6 Pushbuttons 1NO

XAC-A6713
6 Pushbuttons + E/Stop 1NO



XAC-A871
8 Pushbuttons 1NO

XAC-A8713
8 Pushbuttons + E/Stop 1NO



XAC-A1071
10 Pushbutton 1NO

XAC-A10713
10 Pushbutton + E/Stop 1NO



XAC-A1271
12 Pushbutton 1NO

XAC-A12713
11 Pushbutton + E/Stop 1NO

PENDANT CONTROLS FOR 1 SPEED CRANE APPLICATION, SINGLE DEPRESSION PUSH BUTTONS - 1 NO + 1 NC



XAC-A281
2 Pushbuttons

XAC-A2813
2 Pushbuttons + E/Stop



XAC-A481
4 Pushbuttons

XAC-A4813
4 Pushbuttons + E/Stop



XAC-A681
6 Pushbuttons

XAC-A6813
6 Pushbuttons + E/Stop



XAC-A881
8 Pushbuttons

XAC-A8813
8 Pushbuttons + E/Stop



XAC-A1081
10 Pushbuttons



***All Pushbuttons Mechanically Interlocked**

PENDANT CONTROLS FOR 2 SPEED CRANE APPLICATION, DOUBLE DEPRESSION PUSH BUTTONS - 1NO + 1NC + 1NO



XAC-A291
2 Pushbuttons

XAC-A2913
2 Pushbuttons + E/Stop



XAC-A491
4 Pushbuttons

XAC-A4913
4 Pushbuttons + E/Stop



XAC-A691
6 Pushbuttons

XAC-A6913
6 Pushbuttons + E/Stop



XAC-A891
8 Pushbuttons

XAC-A8913
8 Pushbuttons + E/Stop



XAC-A1091
10 Pushbuttons

XAC-A10913
10 Pushbuttons + E/Stop



XAC-A1291
12 Pushbuttons

XAC-A12913
11 Pushbuttons + E/Stop



XAC-RG
Spare Rubber Grip for XAC pendant Stations

DIRECT ON LINE PENDANT CONTROL - 16A @400V



COD-A
2 Pushbuttons+ E/Stop
Single depression



COD-B
2 Pushbuttons+ E/Stop
Double depression

PENDANT ACCESSORIES



XEN-81191
Double depression contact block
1NO +1NC + 1NO



XAC-A941 ○
XAC-A942 ●

Pushbutton Head
*Please specify colour



XAC-ES14
Emergency Stop Key Release Head



XAC-ES44
Emergency Stop Twist to Release Head

XAC-SL Direction Labels

JOYSTICKS



XD4-PA12
2 Direction - Stay put Joystick
22mm
2NO



XD4-PA22
2 Direction - Spring Return Joystick 22mm
2NO



XD4-PA14
4 Direction - Stay put Joystick
22mm
4NO



XD4-PA24
4 Direction - Spring Return Joystick 22mm
4NO



XD7-PA12
2 Direction - Stay put 30mm Joystick
2NO



XD7-PA22
2 Direction - Spring Return 30mm Joystick
2NO



XD7-PA14
4 Direction - Stay put 30mm Joystick
4NO



XD7-PA24
4 Direction - Spring Return 30mm Joystick
4NO

Solid State Relays - Single Phase

Product Image	Part Number	Rated Load Current	Operating Voltage	Poles
	**SSR-D4810**	10A @ 480VAC	3 to 32VDC	1P
	SSR-D4825	25A @ 480VAC		
	SSR-D4840	40A @ 480VAC		
	SSR-D4860	60A @ 480VAC		
	SSR-D4880	80A @ 480VAC		
	SSR-D48100	100A @ 480VAC		
	SSR-D48120	120A @ 480VAC		

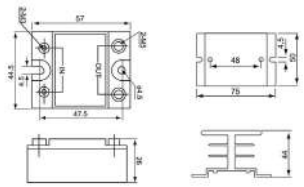
Solid State Relays - Three Phase

Product Image	Part Number	Rated Load Current	Operating Voltage	Poles
	**SSR-3P4810**	10A @ 480VAC	4 to 32VDC	3P
	SSR-3P4825	25A @ 480VAC		
	SSR-3P4840	40A @ 480VAC		
	SSR-3P4860	60A @ 480VAC		
	SSR-3P4880	80A @ 480VAC		
	SSR-3P48100	100A @ 480VAC		
	SSR-3P48120	120A @ 480VAC		

Heat Sink For Solid State Relays

HEAT SINK FOR SINGLE POLE SOLID STATE RELAYS





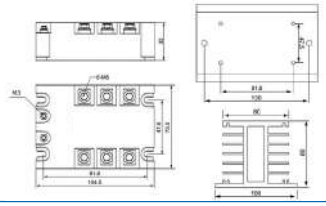
SSR1-HS
Heat Sinks

SPECIFIED CURRENT RATING IS ONLY VALID IF SSR IS USED IN CONJUNCTION WITH THE RELEVANT HEAT SINK.

***HEAT PASTE OPTIONAL ON REQUEST**

HEAT SINK FOR THREE POLE SOLID STATE RELAYS





SSR4-HS
Heat Sinks

SPECIFIED CURRENT RATING IS ONLY VALID IF SSR IS USED IN CONJUNCTION WITH THE RELEVANT HEAT SINK.

***HEAT PASTE OPTIONAL ON REQUEST**

HEAT PASTE



SSR-PASTE
Heat Paste

NOTE: RATED LOAD CURRENT IS FOR RESISTIVE LOAD ONLY.
FOR CAPACITIVE OR INDUCTIVE LOAD THE SOLID STATE RELAY MUST BE RATED ACCORDINGLY.

Plug-In Relays

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-14FC-A**	5A	8	12VAC	2
	JQX-14FC-AD	5A	8	12VDC	2
	JQX-14FC-B	5A	8	24VAC	2
	JQX-14FC-BD	5A	8	24VDC	2
	JQX-14FC-F	5A	8	110VAC	2
	JQX-14FC-FD	5A	8	110VDC	2
	JQX-14FC-M	5A	8	230VAC	2

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-13F-LY2C-A**	10A	8	12VAC	2
	JQX-13F-LY2C-AD	10A	8	12VDC	2
	JQX-13F-LY2C-B	10A	8	24VAC	2
	JQX-13F-LY2C-BD	10A	8	24VDC	2
	JQX-13F-LY2C-E	10A	8	48VAC	2
	JQX-13F-LY2C-ED	10A	8	48VDC	2
	JQX-13F-LY2C-F	10A	8	110VAC	2
	JQX-13F-LY2C-FD	10A	8	110VDC	2
	JQX-13F-LY2C-M	10A	8	230VAC	2

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-13F-LY3C-A**	10A	11	12VAC	3
	JQX-13F-LY3C-AD	10A	11	12VDC	3
	JQX-13F-LY3C-B	10A	11	24VAC	3
	JQX-13F-LY3C-BD	10A	11	24VDC	3
	JQX-13F-LY3C-E	10A	11	48VAC	3
	JQX-13F-LY3C-ED	10A	11	48VDC	3
	JQX-13F-LY3C-F	10A	11	110VAC	3
	JQX-13F-LY3C-FD	10A	11	110VDC	3
	JQX-13F-LY3C-M	10A	11	230VAC	3

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-13F-LY4C-A**	10A	14	12VAC	4
	JQX-13F-LY4C-AD	10A	14	12VDC	4
	JQX-13F-LY4C-B	10A	14	24VAC	4
	JQX-13F-LY4C-BD	10A	14	24VDC	4
	JQX-13F-LY4C-E	10A	14	48VAC	4
	JQX-13F-LY4C-ED	10A	14	48VDC	4
	JQX-13F-LY4C-F	10A	14	110VAC	4
	JQX-13F-LY4C-FD	10A	14	110VDC	4
	JQX-13F-LY4C-M	10A	14	230VAC	4

Plug-In Relays Bases



JQX-14FC BASE

SRB-08E

Surface/Din mounting screw terminal

base for JQX-14FC

Complete with Relay Holding Clips



JQX-13F-LY2C BASE

PTF08A

Surf/Din mounting screw terminal base

for JQX-13F-LY2C



JQX-13F-LY3C BASE

PTF11A

Surf/Din mounting screw terminal base

for JQX-13F-LY3C



JQX-13F-LY4C BASE

PTF14A

Surf/Din mounting screw terminal base

for JQX-13F-LY4C



Plug-In Relays

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-76F-TU-2A**	25A	6	12VAC	2 NO
	JQX-76F-TU-2AD	25A	6	12VDC	2 NO
	JQX-76F-TU-B	25A	6	24VAC	2 NO
	JQX-76F-TU-BD	25A	6	24VDC	2 NO
	JQX-76F-TU-F	25A	6	110VAC	2 NO
	JQX-76F-TU-FD	25A	6	110VDC	2 NO
	JQX-76F-TU-M	25A	6	230VAC	2 NO

Plug-In Relay Bases



JQX-76F-TU-2A BASE

P76F-06

Square 6 Pin Base for JQX-76F-TU-2A

Plug-In Relay - Din Rail Mount

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-76F-BLD2-2A**	25A	-	12VAC	2 NO
	JQX-76F-BLD2-2AD	25A	-	12VDC	2 NO
	JQX-76F-BLD2-B	25A	-	24VAC	2 NO
	JQX-76F-BLD2-BD	25A	-	24VDC	2 NO
	JQX-76F-BLD2-F	25A	-	110VAC	2 NO
	JQX-76F-BLD2-FD	25A	-	110VDC	2 NO
	JQX-76F-BLD2-M	25A	-	230VAC	2 NO



Plug-In Relays - With LED, Test Button & Flag Indicator

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-13FKF2CL-A**	5A	8	12VAC	2
	JQX-13FKF2CL-AD	5A	8	12VDC	2
	JQX-13FKF2CL-B	5A	8	24VAC	2
	JQX-13FKF2CL-BD	5A	8	24VDC	2
	JQX-13FKF2CL-F	5A	8	110VAC	2
	JQX-13FKF2CL-FD	5A	8	110VDC	2
	JQX-13FKF2CL-M	5A	8	230VAC	2

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-13FKF4CL-A**	5A	14	12VAC	4
	JQX-13FKF4CL-AD	5A	14	12VDC	4
	JQX-13FKF4CL-B	5A	14	24VAC	4
	JQX-13FKF4CL-BD	5A	14	24VDC	4
	JQX-13FKF4CL-F	5A	14	110VAC	4
	JQX-13FKF4CL-FD	5A	14	110VDC	4
	JQX-13FKF4CL-M	5A	14	230VAC	4

Plug-In Relays



JQX-13F-KF-2CL BASE

SKB-08E
Surf/Din mounting screw terminal base
for JQX-KF-2CL
Complete with Relay Holding
Clips



JQX-13F-KF-4CL BASE

SKB-14E
Surf/Din mounting screw terminal base
for JQX-KF-4CL
Complete with Relay Holding
Clips



Plug-In Relays - With LED, Test Button & Flag Indicator

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-10F-2-A**	10A	8	12VAC	2
	JQX-10F-2-AD	10A	8	12VDC	2
	JQX-10F-2-B	10A	8	24VAC	2
	JQX-10F-2-BD	10A	8	24VDC	2
	JQX-10F-2-F	10A	8	110VAC	2
	JQX-10F-2-FD	10A	8	110VDC	2
	JQX-10F-2-M	10A	8	230VAC	2

Product Image	Part Number	Contact Rating	Pins	Operating Voltage	Change Over
	**JQX-10F-3-A**	10A	11	12VAC	3
	JQX-10F-3-AD	10A	11	12VDC	3
	JQX-10F-3-B	10A	11	24VAC	3
	JQX-10F-3-BD	10A	11	24VDC	3
	JQX-10F-3-F	10A	11	110VAC	3
	JQX-10F-3-FD	10A	11	110VDC	3
	JQX-10F-3-M	10A	11	230VAC	3

Plug-In Relay Bases



BASE

PF-083A
8 Pin Base for JQX-10F-2
Screw terminal



BASE

10FF-8
8 Pin Base for JQX-10F-2
Screw terminal



BASE

PF-113A
11 Pin Base for JQX-10F-3
Screw terminal



BASE

10FF-11
11 Pin Base for JQX-10F-3
Screw terminal



CABLE MANAGEMENT, TERMINATION & WIRING ACCESSORIES



COPPER BUSBAR - RATED UP TO 300A

CBB-30X5
M6 Copper Busbar
Maximum size Busbar: 30 x 5 Busbar



COPPER BUSBAR - RATED UP TO 600A

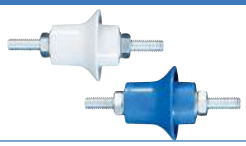
CBB-30X10
M8 Copper Busbar
Maximum size Busbar: 30 x 10 Busbar



• Robust Dough Moulded Compound for high tensile strength • Various colours • Available with or without studs • Ideal for separating busbars

Busbar Insulators

Product Image	Part Number	Tensile Strength	Studs	Voltage Withstand	Torque Strength	Screw Size
	**S842-1**	700lbs	No Studs	8kV	11Nm	8mm
	Available in Red, Blue, White or Black. *Please specify. ●○●●					

Product Image	Part Number	Tensile Strength	Studs	Voltage Withstand	Torque Strength	Screw Size
	**S842-3**	700lbs	8 x 22	8kV	11Nm	8mm
	Available in Red, Blue, White or Black. *Please specify. ●○●●					

Product Image	Part Number	Tensile Strength	Studs	Voltage Withstand	Torque Strength	Screw Size
	**SM-25**	500lbs	No Studs	6kV	7Nm	6mm
	SM-30	550lbs	No Studs	8kV	9Nm	8mm
	SM-35	600lbs	No Studs	10kV	11Nm	8mm
	SM-40	650lbs	No Studs	12kV	13Nm	8mm
	SM-51	1000lbs	No Studs	15kV	23Nm	8mm
	SM-60	1200lbs	No Studs	20kV	40Nm	10mm
	SM-76	1500lbs	No Studs	25kV	46Nm	10mm
	Available in Red, Blue, White or Black. *Please specify. ●○●●					



Part Number	Cable Size (mm^2) 2, 3 or 4 Core	Min Cable OD (mm^2)	Min Cable OD (mm^2 armoured)	Mould Length
CJK1	1,5 - 4mm	6	20	185
CJK2	4 - 10mm	9	30	240
CJK3	10 - 16mm	17	34	270
CJK4	16 - 35mm	22	42	310
CJK5	35 - 50mm	28	54	400
CJK6	50 - 95mm	32	56	432
CJK7	95 - 150mm	38	65	550
CJK8	150 - 240mm	48	82	720

2,5MM BLACK GEL JOINT KIT



GEL-BK

- Suitable for 2-3 Core cables Up To 2,5mm^2
- 250V 16 Amp Rated
- Zero Fire Risk
- Waterproof (Indoor & Outdoor)
- Re-Enterable & Permanent
- No Harmful Chemicals

2,5MM WHITE GEL JOINT KIT



GEL-W

- Suitable for 2-3 Core cables Up To 2,5mm^2
- 250V 16 Amp Rated
- Zero Fire Risk
- Waterproof (Indoor & Outdoor)
- Re-Enterable & Permanent
- No Harmful Chemicals

4-10MM TRANSPARENT GEL JOINT KIT



GEL-T

- Suitable for 2-4 Core cables Up To 4mm^2 - 10mm^2
- 250V 16 Amp Rated
- Zero Fire Risk
- Waterproof (Indoor & Outdoor)
- Re-Enterable & Permanent
- No Harmful Chemicals



PVC GLUE

PVC-G200

• Ready to use • Fast drying and setting • Low odour formula
• Ideal viscosity (easily applied, minimal dripping) • Brush supplied with 200ml bottle

SLOTTED CABLE TRUNKING (for the protection of cables)
- Colour: RAL7030 Grey
- Insulating, Shock-proof, self extinguishing material in compliance with UL94 VO
- Resistant to flame & abnormally high temperature up to 960 C to IEC 60695-2-1 standard
- Dimensional Stability from -15 C to +60 C
- New rib profile eases cover opening and closing yet guarantees a more secure enclosure
- IMQ/ UL/ RINA/ CSA/ NF approved
- Standard 2m Length (Supplied with covers)

Thermoplastic Slotted Trunking - 4mm Slot/6mm Tongue

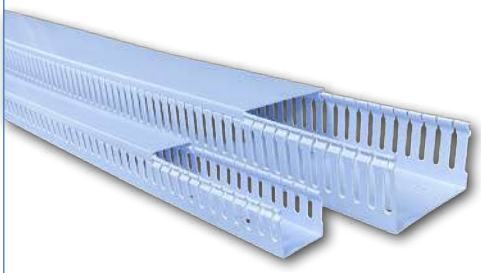
Product Image	Part Number	Dimensions H x W x L	Colour	Carton Qty
	**E20**	15 x 17 x 2000mm	Grey	60
	E164	25 x 30 x 2000mm	Grey	40
	E134	25 x 40 x 2000mm	Grey	30
	E84	40 x 40 x 2000mm	Grey	20
	E44	60 x 40 x 2000mm	Grey	12
	E74	25 x 60 x 2000mm	Grey	20
	E54	40 x 60 x 2000mm	Grey	18
	E94	60 x 60 x 2000mm	Grey	12
	E64	80 x 60 x 2000mm	Grey	12
	E144	25 x 80 x 2000mm	Grey	16
	E154	40 x 80 x 2000mm	Grey	12
	E114	60 x 80 x 2000mm	Grey	12
	E124	80 x 80 x 2000mm	Grey	12
	E194	100 x 80 x 2000mm	Grey	8
	E354	40 x 100 x 2000mm	Grey	8
	E184	60 x 100 x 2000mm	Grey	8
	E364	80 x 100 x 2000mm	Grey	8
	E374	100 x 100 x 2000mm	Grey	8

Spare Covers For Slotted Trunking (2m Lengths)

Product Image	Part Number	Dimensions W x L	Colour
	**GCOP15**	15 x 2000mm	Grey
	GCOP25	25 x 2000mm	Grey
	GCOP40	40 x 2000mm	Grey
	GCOP60	60 x 2000mm	Grey
	GCOP80	80 x 2000mm	Grey
	GCOP100	100 x 2000mm	Grey



Narrow Slotted Trunking - 4mm Slot/6mm Tongue



Part Number	Dimensions H x W x L	Colour
ST-25 x 25	25 x 25 x 2000mm	Light Blue
ST-30 x 25	30 x 25 x 2000mm	Light Blue
ST-35 x 35	35 x 35 x 2000mm	Light Blue
ST-45 x 25	45 x 25 x 2000mm	Light Blue
ST-60 x 25	60 x 25 x 2000mm	Light Blue
ST-40 x 40	40 x 40 x 2000mm	Light Blue
ST-60 x 40	60 x 40 x 2000mm	Light Blue
ST-60 x 60	60 x 60 x 2000mm	Light Blue
ST-60 x 100	60 x 100 x 2000mm	Light Blue
ST-80 x 40	80 x 40 x 2000mm	Light Blue
ST-80 x 80	80 x 80 x 2000mm	Light Blue
ST-80 x 100	80 x 100 x 2000mm	Light Blue
ST-100 x 80	100 x 80 x 2000mm	Light Blue
ST-100 x 100	100 x 100 x 2000mm	Light Blue

Solid Wall PVC Trunking



Part Number	Dimensions H x W x L	Colour	Lengths Per Bag
SWT-16162	16 x 16 x 2000mm	White	40
SWT-25163	25 x 16 x 2900mm	White	25
SWT-40163	40 x 16 x 2900mm	White	20
SWT-40253	40 x 25 x 2900mm	White	10
SWT-40403	40 x 40 x 2900mm	White	10
SWT-100403	100 x 40 x 2900mm	White	2

Floor PVC Trunking



Part Number	Dimensions H x W x L	Colour	Lengths Per Bag
ARC-50152	50 x 15 x 2000mm	White	15
ARC-70202	70 x 20 x 2000mm	White	10
ARC-90252	90 x 25 x 2000mm	White	10

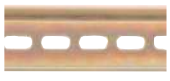
DIN RAIL

DIN RAIL



TS35P-1
Plain Din Rail 1m length

DIN RAIL



TS35S-1
Slotted Din Rail 1m length

DIN RAIL SUPPORT



TS-S Bolt-on Angled support
TS-F Bolt-on Flat support

Panel Fans



PANEL FAN

100FZY-* Panel Fan with Grill 100mm 18W
Available in 110VAC OR 230VAC *PLEASE SPECIFY

125FZY-* Panel Fan with Grill 125mm 25W
Available in 110VAC OR 230VAC *PLEASE SPECIFY

- Nylon 66 (UL Approved)
- UL Flammability 94V.2
- UV Treated

Nylon Cable Ties

Product Image	Part Number	Colour	Dimensions	Thickness	Pack Qty
	**CT18RBK**	Black	100 x 2,5mm	1mm	100
	CT30RBK	Black	150 x 3,5mm	1,15mm	100
	CT50RBK	Black	200 x 4,8mm	1,25mm	100
	CT50IBK	Black	300 x 4,8mm	1,25mm	100
	CT50LBK	Black	400 x 4,8mm	1,35mm	100
	CT120SBK	Black	300 x 7,6mm	1,40mm	100
	CT120RBK	Black	400 x 7,6mm	1,45mm	100

Product Image	Part Number	Colour	Dimensions	Thickness	Pack Qty
	**CT18RNT**	Natural	100 x 2,5mm	1mm	100
	CT30RNT	Natural	150 x 3,5mm	1,15mm	100
	CT50RNT	Natural	200 x 4,8mm	1,25mm	100
	CT50INT	Natural	300 x 4,8mm	1,25mm	100
	CT50LNT	Natural	400 x 4,8mm	1,35mm	100
	CT120SNT	Natural	300 x 7,6mm	1,40mm	100
	CT120RNT	Natural	400 x 7,6mm	1,45mm	100

Cable Tie Cradles

Product Image	Part Number	Colour	Dimensions	Thickness	Pack Qty
	**CTC2020B**	Black	20 x 20mm	1mm	100
	CTC2525B	Black	25 x 25mm	6mm	100
	CTC3030B	Black	30 x 30mm	7mm	100
	CTC4040B	Black	40 x 40mm	10mm	100

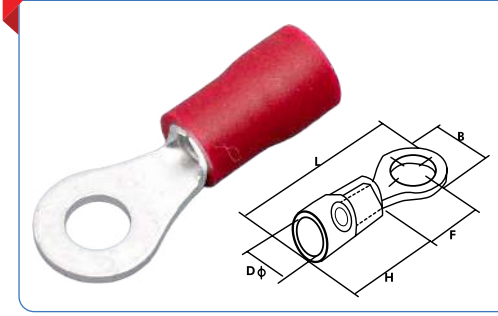
Product Image					
	**CTC2020N**	Natural	20 x 20mm	1mm	100
	CTC2525N	Natural	25 x 25mm	6mm	100
	CTC3030N	Natural	30 x 30mm	7mm	100
	CTC4040N	Natural	40 x 40mm	10mm	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.



Pre-Insulated Ring Crimping Terminals - 19A (Max Current)

NEW!

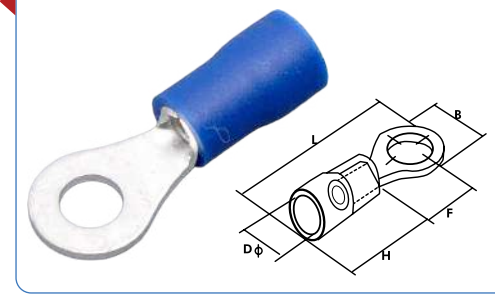


Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
RVN 1.25-3	Red	0,5 - 1,5	5,7 x 19 x 4,9mm	3,2mm	100
RVN 1.25-3.5S	Red	0,5 - 1,5	5,7 x 19 x 4,9mm	3,7mm	100
RVN 1.25-4S	Red	0,5 - 1,5	6,6 x 21 x 6,3mm	4,3mm	100
RVN 1.25-5S	Red	0,5 - 1,5	8 x 22 x 7mm	5,3mm	100
RVN 1.25-6	Red	0,5 - 1,5	9,8 x 24 x 7,6mm	6,4mm	100
RVN 1.25-8	Red	0,5 - 1,5	12 x 28 x 11mm	8,4mm	100
RVN 1.25-10	Red	0,5 - 1,5	14 x 32 x 14mm	10,5mm	100
RVN 1.25-12	Red	0,5 - 1,5	19 x 37 x 17mm	13mm	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Ring Crimping Terminals - 27A (Max Current)

NEW!

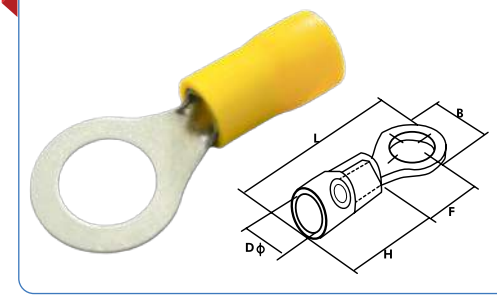


Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
RVN 2-3	Blue	1,5 - 2,5	6,6 x 19 x 4,3mm	3,2mm	100
RVN 2-3.5S	Blue	1,5 - 2,5	6,6 x 19 x 4,7mm	3,7mm	100
RVN 2-4S	Blue	1,5 - 2,5	6,6 x 21 x 6,5mm	4,3mm	100
RVN 2-5S	Blue	1,5 - 2,5	8,5 x 23 x 7,7mm	5,3mm	100
RVN 2-6	Blue	1,5 - 2,5	9,8 x 24 x 7,6mm	6,4mm	100
RVN 2-8	Blue	1,5 - 2,5	12 x 28 x 11mm	8,4mm	100
RVN 2-10	Blue	1,5 - 2,5	14 x 32 x 14mm	10,5mm	100
RVN 2-12	Blue	1,5 - 2,5	19 x 37 x 17mm	13mm	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Ring Crimping Terminals - 48A (Max Current)

NEW!

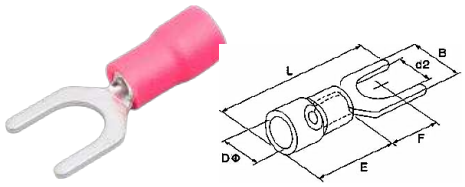


Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
RVN 5.5-3.5	Yellow	4 - 6	7,2 x 23 x 5,9mm	3,7mm	100
RVN 5.5-4S	Yellow	4 - 6	7,2 x 23 x 5,9mm	4,3mm	100
RVN 5.5-5	Yellow	4 - 6	9,5 x 27 x 8,3mm	5,3mm	100
RVN 5.5-6	Yellow	4 - 6	12 x 30 x 11mm	6,4mm	100
RVN 5.5-8	Yellow	4 - 6	15 x 35 x 14mm	8,4mm	100
RVN 5.5-10	Yellow	4 - 6	15 x 35 x 14mm	10,5mm	100
RVN 5.5-12	Yellow	4 - 6	19 x 40 x 16mm	13mm	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

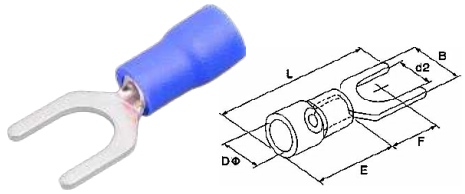


Pre-Insulated Fork Crimping Terminals - 19A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**SVN 1.25-3**	Red	0,5 - 1,5	5,7 x 22 x 6,5mm	3,2mm	100
	SVN 1.25-3.5S	Red	0,5 - 1,5	5,7 x 19 x 4,9mm	3,7mm	100
	SVN 1.25-4S	Red	0,5 - 1,5	6,6 x 21 x 6,3mm	4,3mm	100
	SVN 1.25-5S	Red	0,5 - 1,5	8 x 22 x 7mm	5,3mm	100
	SVN 1.25-6	Red	0,5 - 1,5	9,8 x 24 x 7,6mm	6,4mm	100

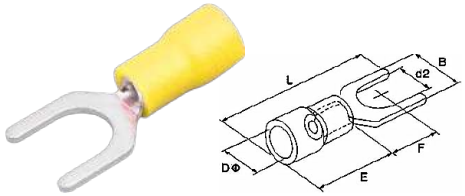
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Fork Crimping Terminals - 27A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**SVN 2-3**	Blue	1,5 - 2,5	5,7 x 22 x 6,5mm	3,2mm	100
	SVN 2-3.5S	Blue	1,5 - 2,5	5,7 x 22 x 6,5mm	3,7mm	100
	SVN 2-4S	Blue	1,5 - 2,5	6,4 x 22 x 6,5mm	4,3mm	100
	SVN 2-5S	Blue	1,5 - 2,5	8,1 x 22 x 6,5mm	5,3mm	100
	SVN 2-6	Blue	1,5 - 2,5	9,5 x 22 x 6,5mm	6,4mm	100

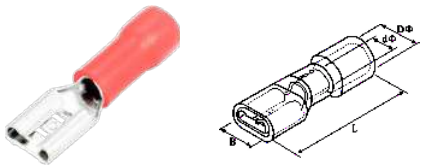
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Fork Crimping Terminals - 48A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**SVN 5.5-3.5**	Yellow	4 - 6	7,2 x 23 x 7,5mm	3,7mm	100
	SVN 5.5-4S	Yellow	4 - 6	8,3 x 27 x 7,5mm	4,3mm	100
	SVN 5.5-5	Yellow	4 - 6	9 x 27 x 7,5mm	5,3mm	100
	SVN 5.5-6S	Yellow	4 - 6	9 x 27 x 7,5mm	6,4mm	100
	SVN 5.5-8	Yellow	4 - 6	14 x 31 x 12mm	6,4mm	100

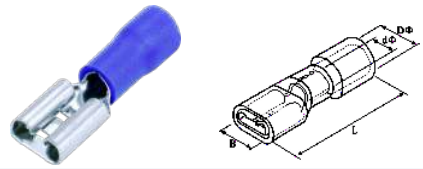
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Push-On Crimping Terminals - 10A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**FDD1.25-110-5**	Red	0,5 - 1,5	3,2 x 19,8 x 10mm	-	100
	FDD1.25-187-5	Red	0,5 - 1,5	5 x 19,5 x 10mm	-	100
	FDD1.25-250	Red	0,5 - 1,5	7,4 x 20,5 x 10mm	-	100

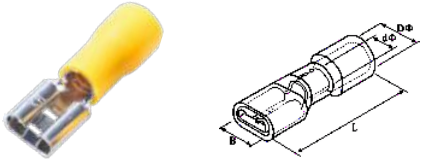
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Pre-Insulated Push-On Crimping Terminals - 15A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**FDD2-110-5**	Blue	1,5 - 2,5	3,2 x 19,8 x 10mm	-	100
	FDD2-187-5	Blue	1,5 - 2,5	5 x 19,5 x 10mm	-	100
	FDD2-250	Blue	1,5 - 2,5	7,4 x 20,5 x 10mm	-	100

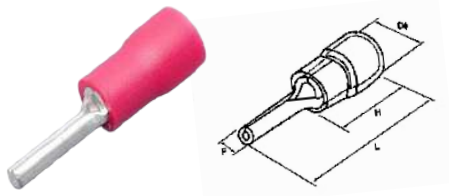
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Push-On Crimping Terminals - 15A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**FDD5.5-250**	Yellow	4-6	6,6 x 23 x 10mm	-	100

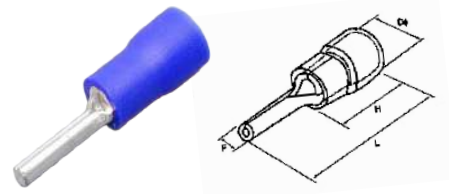
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Pin Crimping Terminals - 19A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**PTVN 1.25-10**	Red	0,5 - 1,5	1,9 x 21 x 10mm	-	100
	PTVN 1.25-12	Red	0,5 - 1,5	1,9x 23 x 12mm	-	100
	PTVN 1.25-18	Red	0,5 - 1,5	1,9 x 29 x 18mm	-	100

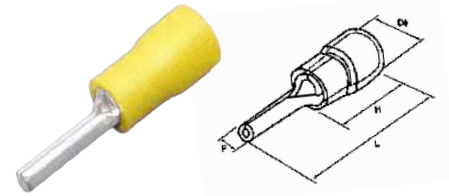
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Pin Crimping Terminals - 27A (Max Current)

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**PTVN 2-10**	Blue	1,5 - 2,5	1,9 x 21 x 10mm	-	100
	PTVN 2-12	Blue	1,5 - 2,5	1,9 x 23 x 12mm	-	100
	PTVN 2-18	Blue	1,5 - 2,5	1,9 x 29 x 18mm	-	100

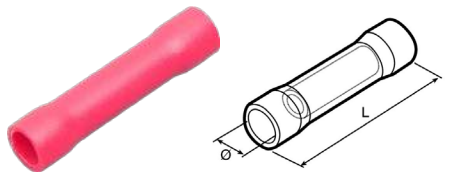
PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Pre-Insulated Pin Crimping Terminals - 48A (Max Current)

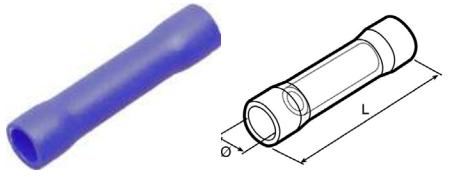
Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Stud Size	Pack Qty
	**PTVN 5.5-13**	Yellow	4 - 6	2,8 x 27 x 13mm	-	100
	PTVN 5.5-18	Yellow	4 - 6	2,8 x 27 x 18mm	-	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

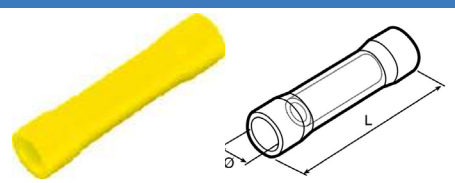
Pre-Insulated Ferrules

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Max Current	Pack Qty
	**BV 1.25**	Red	0,5 - 1,5	26,5mm	19A	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Max Current	Pack Qty
	**BV 2**	Blue	1,5 - 2,5	26,5mm	27A	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Product Image	Part Number	Colour	Cable Size (mm^2)	Dimensions W x L x F	Max Current	Pack Qty
	**BV 5.5**	Solid Yellow	4 - 6	26,5mm	48A	100

PLEASE NOTE: ALL THE ABOVE ARE SOLD IN PACKS OF 100 ONLY. NO SINGLES OR BREAKING OF PACKS.

Plastic Spiral Wrapping Bands

Product Image	Part Number	Colour	Inner Diameter	Bundle Diameter	Length
	**SWB-6**	Natural	4mm	4-50mm	10m
	SWB-8	Natural	6mm	6-60mm	10m
	SWB-10	Natural	7,5mm	7,5-60mm	10m
	SWB-12	Natural	9mm	9-65mm	10m
	SWB-15	Natural	12mm	12-75mm	10m
	SWB-19	Natural	15mm	15-100mm	10m
	SWB-24	Natural	20mm	20-130mm	10m

Product Image	Part Number	Colour	Inner Diameter	Bundle Diameter	Length
	**SWB-6-BK**	Black	4mm	4 - 50mm	10m
	SWB-8-BK	Black	6mm	6 - 60mm	10m
	SWB-10-BK	Black	7,5mm	7,5 - 60mm	10m
	SWB-12-BK	Black	9mm	9 - 65mm	10m
	SWB-15-BK	Black	12mm	12 - 75mm	10m
	SWB-19-BK	Black	15mm	15 - 100mm	10m
	SWB-24-BK	Black	20mm	20 - 130mm	10m

PG Glands

Product Image	Part Number	Colour	Inner Diameter	Bundle Diameter	Length
	**PG7**	White	3 - 6mm	12.5mm	10mm
	PG13.5	White	6 - 12mm	20mm	12mm
	PG21	White	13 - 18mm	29mm	22mm
	PG29	White	18 - 25mm	37mm	30mm

Cable Markers

Product Image	Part Number	Colour	Cable Size	Numbers	Qty Per Roll
	**CM-1-***	Yellow	1,5 - 4mm	0 - 9 & -/+	1000
	CM-2-*	Yellow	4 - 6mm	0 - 9 & -/+	900
	***Please Specify the "Number" or "Symbol" When Placing Your Order.**				

Insulation Tape

Product Image	Part Number	Colour	Inner Diameter	Length	Pack Qty
scan for tutorial  Fire Retardant & Low Lead Content.	**IT-180-R**	Red	18mm	20m	10
	IT-180-G	Green	18mm	20m	10
	IT-180-Y	Yellow	18mm	20m	10
	IT-180-W	White	18mm	20m	10
	IT-180-BK	Black	18mm	20m	10
	IT-180-BL	Blue	18mm	20m	10

Round Cable Clips

Product Image	Part Number	Colour	Cable Diameter	Pack Qty
	**RCC-8**	White	8mm	100
	RCC-10	White	10mm	100
	RCC-14	White	14mm	100

FUSES & FUSE HOLDERS



1 Pole Din Rail Fuse Holder - Ceramic Fuse

Product Image	Part Number	Fuse Size	Poles	Indication
	**XRT18-32-1**	10 x 38	1P	LED
	XRT18-63-1	14 x 51		
	XRT18-125-1	22 x 58		

2 Pole Din Rail Fuse Holder - Ceramic Fuse

Product Image	Part Number	Fuse Size	Poles	Indication
	**XRT18-32-2**	10 x 38	2P	LED
	XRT18-63-2	14 x 51		
	XRT18-125-2	22 x 58		

3 Pole Din Rail Fuse Holder - Ceramic Fuse

Product Image	Part Number	Fuse Size	Poles	Indication
	**XRT18-32-3**	10 x 38	3P	LED
	XRT18-63-3	14 x 51		
	XRT18-125-3	22 x 58		

Din Rail Fuse Holder - Ceramic Fuse

Product Image	Part Number	Fuse Size	Poles	Indication
	**RT18-32-1**	10 x 38	1P	LED
	RT18-32-2	10 x 38	2P	LED
	RT18-32-3	10 x 38	3P	LED
	KCF2N-32	10 x 38	1P+N	-

Glass Fuse Holders

Product Image	Part Number	Fuse Size	Description
	**M113**	5 x 20	13mm Panel Mount fuse Holder
	M115	6,3 x 30	15mm Panel Mount fuse Holder

Glass Fuses

Product Image	Part Number	Fuse Size	Amps	Description
 Sold In Packs Of 100	**M500**	5 x 20	1, 2, 3, 4, 5, 6, 7, 8, 10, 15 & 20A	Glass Fuse
	M600	6,3 x 30	*Please Specify	Glass Fuse

Ceramic Fuses & Neutral Link

Product Image	Part Number	Fuse Size	Amps	Description
 Sold In Packs Of 20, Excluding **F1038-NL**	**F1038**	10 x 38	1, 2, 4, 6, 10, 16, 20, 25 & 32A *Please Specify	Ceramic Fuse
	F1038-NL	10 x 38	-	Neutral Link

Product Image	Part Number	Fuse Size	Amps	Description
	**F1451-10**	14 x 51	10A	Ceramic Fuse
	F1451-16	14 x 51	16A	Ceramic Fuse
	F1451-20	14 x 51	20A	Ceramic Fuse
	F1451-25	14 x 51	25A	Ceramic Fuse
	F1451-32	14 x 51	32A	Ceramic Fuse
	F1451-40	14 x 51	40A	Ceramic Fuse
	F1451-50	14 x 51	50A	Ceramic Fuse
	F1451-63	14 x 51	63A	Ceramic Fuse
	F1451-NL	14 x 51	-	Neutral Link

Product Image	Part Number	Fuse Size	Amps	Description
	**F2258-10**	22 x 58	10A	Ceramic Fuse
	F2258-16	22 x 58	16A	Ceramic Fuse
	F2258-20	22 x 58	20A	Ceramic Fuse
	F2258-25	22 x 58	25A	Ceramic Fuse
	F2258-32	22 x 58	32A	Ceramic Fuse
	F2258-40	22 x 58	40A	Ceramic Fuse
	F2258-50	22 x 58	50A	Ceramic Fuse
	F2258-63	22 x 58	63A	Ceramic Fuse
	F2258-80	22 x 58	80A	Ceramic Fuse
	F2258-100	22 x 58	100A	Ceramic Fuse
	F2258-NL	22 x 58	-	Neutral Link



Din Rail Fuse Holders - (AC)

Product Image	Part Number	Fuse Size	Poles	Rated Voltage
	**KCF10-32-1**	10 x 38	1P	690V
	KCF10-32-2	10 x 38	2P	690V
	KCF10-32-3	10 x 38	3P	690V

2 Pole Din Rail Fuse Holders - (AC)

Product Image	Part Number	Fuse Size	Poles	Rated Voltage
	**KCF2-51-1**	14 x 51	1P	690V
	KCF2-51-2	14 x 51	2P	690V
	KCF2-51-3	14 x 51	3P	690V

3 Pole Din Rail Fuse Holders - (AC)

Product Image	Part Number	Fuse Size	Poles	Rated Voltage
	**KCF2-58-1**	22 x 58	1P	690V
	KCF2-58-2	22 x 58	2P	690V
	KCF2-58-3	22 x 58	3P	690V

DC Fuse Holders

Product Image	Part Number	Fuse Size	Poles	Rated Voltage
	**KCF2-25-1**	10 x 38	1P	1000VDC
	KCF2-25-2	10 x 38	2P	1000VDC
	KCF2-25-3	10 x 38	3P	1000VDC
	KCF2-25-4	10 x 38	4P	1000VDC

DC Fuses - Ceramic Fuse

Product Image	Part Number	Fuse Size	Amps	Rated Voltage
	**PVCF10-101**	10 x 38	1A	1000VDC
	PVCF10-102	10 x 38	2A	1000VDC
	PVCF10-103	10 x 38	3A	1000VDC
	PVCF10-104	10 x 38	4A	1000VDC
	PVCF10-105	10 x 38	5A	1000VDC
	PVCF10-106	10 x 38	6A	1000VDC
	PVCF10-10	10 x 38	10A	1000VDC
	PVCF10-12	10 x 38	12A	1000VDC
	PVCF10-15	10 x 38	15A	1000VDC
	PVCF10-20	10 x 38	20A	1000VDC
	PVCF10-25	10 x 38	25A	1000VDC
	PVCF10-32	10 x 38	32A	1000VDC

***Refer to page 40 for 10mm x 38mm Ceramic Fuses & Neutral Link**

Fuse Switch Disconnectors

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage	Frame Size
 scan for tutorial	**FSD000-100-1**	10 - 100A	1P	Ue AC690/DC400V	100
	FSD000-100-2	10 - 100A	2P	Ue AC690/DC400V	100
	FSD000-100-3	10 - 100A	3P	Ue AC690/DC400V	100
	FSD000-100-4	10 - 100A	4P	Ue AC690/DC400V	100

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage	Frame Size
 scan for tutorial	**FSD00-160-1**	125 - 160A	1P	Ue AC690/DC400V	160
	FSD00-160-2	125 - 160A	2P	Ue AC690/DC400V	160
	FSD00-160-3	125 - 160A	3P	Ue AC690/DC400V	160
	FSD00-160-4	125 - 160A	4P	Ue AC690/DC400V	160

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage	Frame Size
 scan for tutorial	**FSD1-250-1**	200 - 250A	1P	Ue AC690/DC400V	250
	FSD1-250-2	200 - 250A	2P	Ue AC690/DC400V	250
	FSD1-250-3	200 - 250A	3P	Ue AC690/DC400V	250
	FSD1-250-4	200 - 250A	4P	Ue AC690/DC400V	250

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage	Frame Size
 scan for tutorial	**FSD2-400-1**	315 - 400A	1P	Ue AC690/DC400V	400
	FSD2-400-2	315 - 400A	2P	Ue AC690/DC400V	400
	FSD2-400-3	315 - 400A	3P	Ue AC690/DC400V	400
	FSD2-400-4	315 - 400A	4P	Ue AC690/DC400V	400

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage	Frame Size
 scan for tutorial	**FSD3-630-1**	500 - 630A	1P	Ue AC690/DC400V	630
	FSD3-630-2	500 - 630A	2P	Ue AC690/DC400V	630
	FSD3-630-3	500 - 630A	3P	Ue AC690/DC400V	630
	FSD3-630-4	500 - 630A	4P	Ue AC690/DC400V	630

To Be Used With The gG-NH & aM-NH Range Of Fuses Only On Page 43.

General Protection Fuses

Product Image	Part Number	Rated Amperage	Description	Indication
	**gG-NH000-10**	10A	General Protection	Double Indication
	gG-NH000-16	16A	General Protection	Double Indication
	gG-NH000-20	20A	General Protection	Double Indication
	gG-NH000-25	25A	General Protection	Double Indication
	gG-NH000-32	32A	General Protection	Double Indication
	gG-NH000-36	36A	General Protection	Double Indication
	gG-NH000-40	40A	General Protection	Double Indication
	gG-NH000-50	50A	General Protection	Double Indication
	gG-NH000-63	63A	General Protection	Double Indication
	gG-NH000-80	80A	General Protection	Double Indication
	gG-NH000-100	100A	General Protection	Double Indication
	gG-NH00-125	125A	General Protection	Double Indication
	gG-NH00-160	160A	General Protection	Double Indication
	gG-NH1-200	200A	General Protection	Double Indication
	gG-NH1-224	224A	General Protection	Double Indication
	gG-NH1-250	250A	General Protection	Double Indication
	gG-NH2-315	315A	General Protection	Double Indication
	gG-NH2-355	355A	General Protection	Double Indication
	gG-NH2-400	400A	General Protection	Double Indication
	gG-NH3-500	500A	General Protection	Double Indication
	gG-NH3-630	630A	General Protection	Double Indication

Motor Protection Fuses

Product Image	Part Number	Rated Amperage	Description	Indication
	**aM-NH000-10**	10A	Motor Protection	Double Indication
	aM-NH000-16	16A	Motor Protection	Double Indication
	aM-NH000-20	20A	Motor Protection	Double Indication
	aM-NH000-25	25A	Motor Protection	Double Indication
	aM-NH000-32	32A	Motor Protection	Double Indication
	aM-NH000-36	36A	Motor Protection	Double Indication
	aM-NH000-40	40A	Motor Protection	Double Indication
	aM-NH000-50	50A	Motor Protection	Double Indication
	aM-NH000-63	63A	Motor Protection	Double Indication
	aM-NH000-80	80A	Motor Protection	Double Indication
	aM-NH000-100	100A	Motor Protection	Double Indication
	aM-NH00-125	125A	Motor Protection	Double Indication
	aM-NH00-160	160A	Motor Protection	Double Indication
	aM-NH1-200	200A	Motor Protection	Double Indication
	aM-NH1-224	224A	Motor Protection	Double Indication
	aM-NH1-250	250A	Motor Protection	Double Indication
	aM-NH2-315	315A	Motor Protection	Double Indication
	aM-NH2-355	355A	Motor Protection	Double Indication
	aM-NH2-400	400A	Motor Protection	Double Indication
	aM-NH3-500	500A	Motor Protection	Double Indication
	aM-NH3-630	630A	Motor Protection	Double Indication



SINGLE PHASE PUMPS & PUMP CONTROLLERS

PERIPHERAL PUMPS



HSm370

Input Voltage:	220-240V	Max Power:	0.37kW
Frequency :	50-60Hz	Max Horse Power:	0.5HP
Max Current :	2.8A	Max Temperature Rating:	45°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	33L/Min	Max Head:	32m

HOW TO PRIME PUMP

HSm750

Input Voltage:	220-240V	Max Power:	0.75kW
Frequency :	50Hz	Max Horse Power:	1.0HP
Max Current :	5.2A	Max Temperature Rating:	45°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	52L/Min	Max Head:	60m

Pumps To Be Primed Before Use

CENTRIFUGAL PUMPS



HCm750

Input Voltage:	220-240V	Max Power:	0.75kW
Frequency :	50-60Hz	Max Horse Power:	1HP
Max Current :	5.2A	Max Temperature Rating:	45°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	90L/Min	Max Head:	32m

HOW TO PRIME PUMP

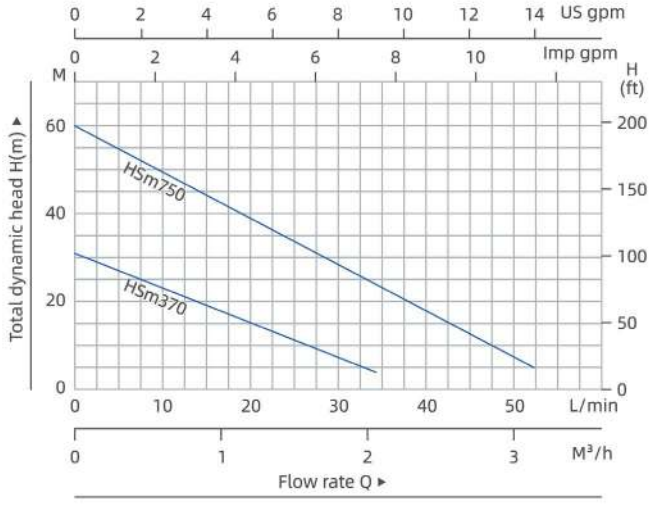
HCm1100

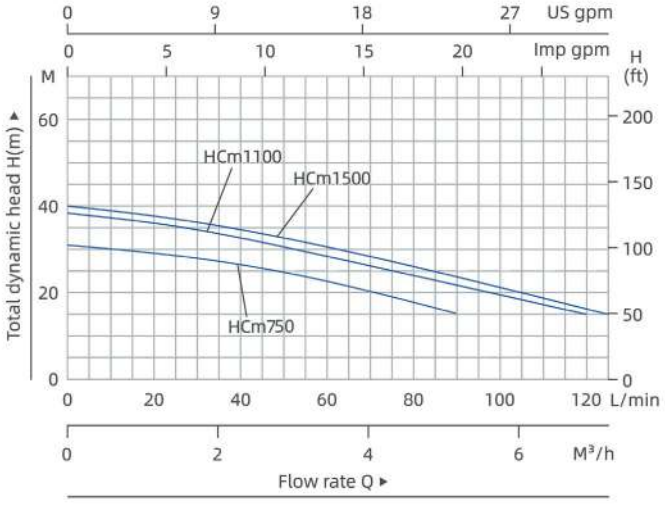
Input Voltage:	220-240V	Max Power:	1.1kW
Frequency :	50-60Hz	Max Horse Power:	1.5HP
Max Current :	7.8A	Max Temperature Rating:	45°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	120L/Min	Max Head:	38m

HCm1500

Input Voltage:	220-240V	Max Power:	1.5kW
Frequency :	50-60Hz	Max Horse Power:	2.0HP
Max Current :	9.2A	Max Temperature Rating:	45°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	125L/Min	Max Head:	40m

Pumps To Be Primed Before Use







SELF PRIMING PUMP

SHPm750XS

Input Voltage:	220V	Max Power:	0.75kW
Frequency :	50Hz	Max Horse Power:	1HP
Max Current :	5.2A	Max Temperature Rating:	40°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	50L/Min	Max Head:	45m



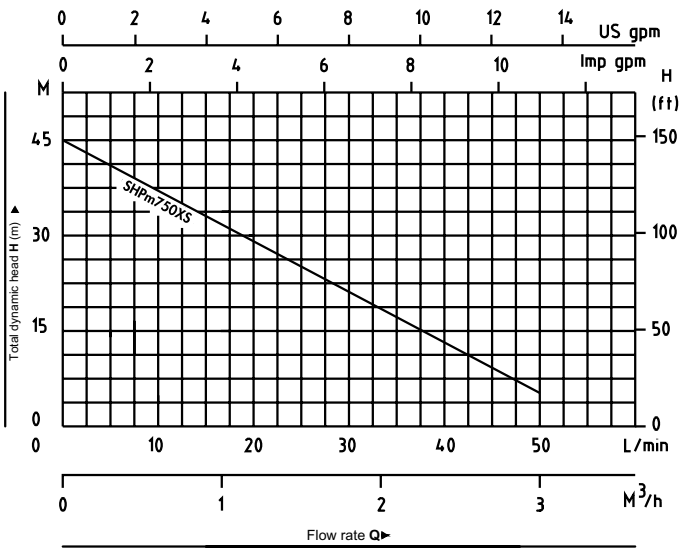
STAINLESS STEEL CLEAN WATER PUMP

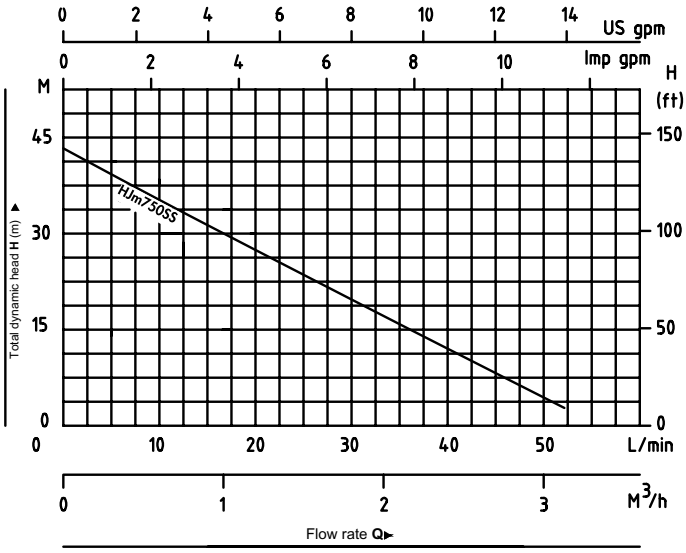
HJm750SS

Input Voltage:	220-240V	Max Power:	0.75kW
Frequency :	50-60Hz	Max Horse Power:	1HP
Max Current :	5.2A	Max Temperature Rating:	40°C
Protection Rating:	IP44	Connections:	1"In/1"Out
Max Flow:	52L/Min	Max Head:	43m

Pump To Be Primed Before Use

HOW TO PRIME PUMP







SUBMERSIBLE CLEAN WATER PUMP

HCWS-750-1.5IN

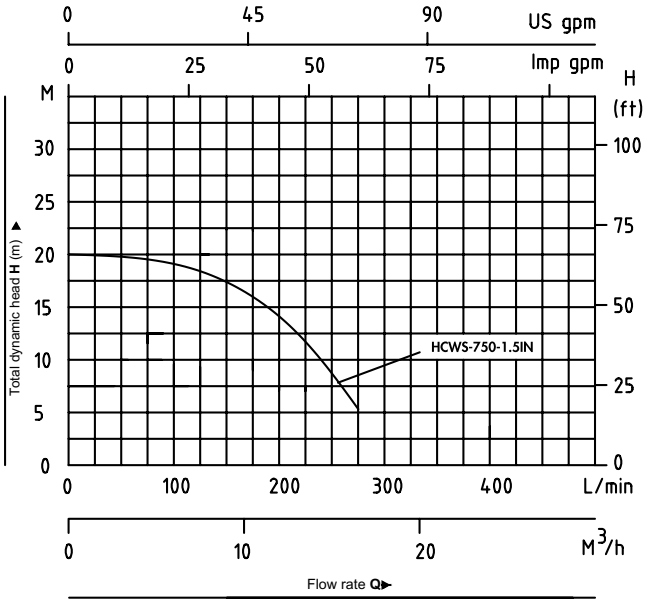
Input Voltage:	220-240V	Max Power:	0.75kW
Frequency :	50-60Hz	Max Horse Power:	1HP
Max Current :	5.2A	Max Temperature Rating:	40°C
Protection Rating:	IP68	Connections:	DN40
Max Flow:	280L/Min	Max Head:	20m

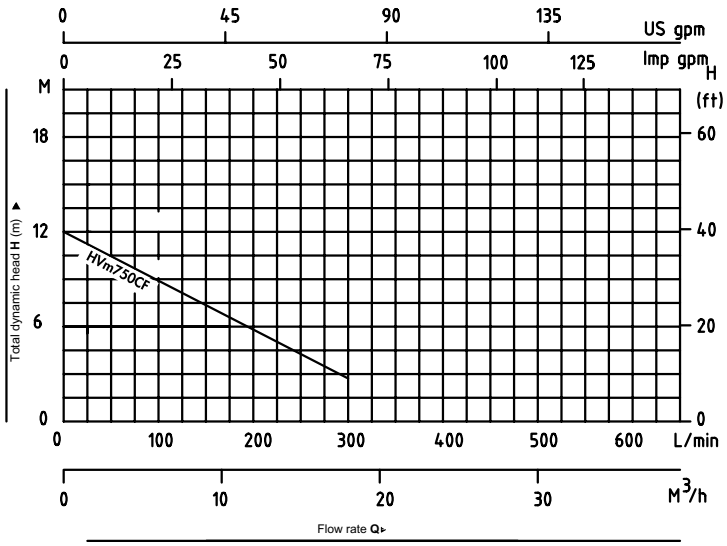


SUBMERSIBLE SEWERAGE PUMP

HVm750CF

Input Voltage:	220-240V	Max Power:	0.75kW
Frequency :	50-60Hz	Max Horse Power:	1HP
Max Current :	5.2A	Max Temperature Rating:	40°C
Protection Rating:	IP68	Connections:	DN50
Max Flow:	300L/Min	Max Head:	12m





PROBES & PROBE HOLDERS TO MONITOR THE LIQUID LEVELS IN TANKS, RESERVOIRS, ETC.



PROBE HOLDER

PS-3

Probe holder



PROBE

SSP-3

1m Stainless Steel probe - 5mmø



PROBE ACCESSORIES

P-SPACER

Probe Spacer



PROBE ACCESSORIES

P-Extension

Probe Extension - locknut

FLOAT SWITCHES USED FOR TANK, RESERVOIR APPLICATIONS & WATER APPLICATIONS



FLOAT SWITCH

UKY-70-AB

Float Switch + weights

Micro Switch 250V AC



FLOAT SWITCH

UKY-2-5M

Float Switch + 5m cable + weight

Micro Switch 250V AC



FLOAT SWITCH

UKY-2-10M

Float Switch + 10m cable + weight

Micro Switch 250V AC



AUTOMATIC PUMP CONTROL

HS-10

Input Voltage	220-240V	Starting Pressure	1.5 Bar
Frequency	50-60Hz	Max Working Pressure	10 Bar
Max Current	10A	Max Temperature Rating	60°C
Protection Rating	IP65	Connections	1″



AUTOMATIC PUMP CONTROL

HS-13

Input Voltage:	220-240V	Starting Pressure:	1.5 Bar
Frequency :	50-60Hz	Max Working Pressure:	10 Bar
Max Current :	10A	Max Temperature Rating:	60°C
Protection Rating:	IP65	Connections:	1″

HS-13A

Input Voltage:	220-240V	Adjustable Starting Pressure:	1.5-3 Bar
Frequency:	50-60Hz	Max Working Pressure:	10 Bar
Max Current:	10A	Max Temperature Rating:	60°C
Protection Rating:	IP65	Connections:	1″

HOW TO

SET CONTROLLER

SINGLE PHASE SINGLE PUMP CONTROLLER

HS-1P-LDP



Power: 0.37 - 3kW
Input Voltage: 220V
Frequency : 50-60Hz
Protection Rating: IP54

- It is applicable for automatic level, pressure control and protection of single-phase submersible borehole pump and pipeline pump.
- Auto manual control.
- Five working modes:
  - With pressure sensor.
  - With float switch.
  - With liquid level sensor.
  - With mechanical pressure switch and with electrical contact pressure gauge.
- Suitable for various working conditions
- Under / Over Voltage protection.
- Short circuit protection.
- Built-in start capacitor - Available.
- Built-in MCB.
- Current one key set automatic or manually.
- Locked-rotor Protection: 1 second.
- Dry-running protection acting time adjustable (10sec, 3min, 5min), suitable for various pump and working conditions.
- Optional Recovery Time from Dry-running: 30 minutes.
- Under / Over Voltage.
- Operating Time: <5 seconds.
- Under / Over Voltage Recovery time: 5 minutes.
- Over-Current fault recovery time: 30 minutes.
- Adaptive pressure sensor: DC5V.
- Working Voltage: 0.5-4.5V.
- Dry-running current value adjustable (70%, 80%, 85% of rated current).
- HS-1P-LDS built in-AC contactor, suitable for submersible pump with 2.2-3KW, and motor line within 200 meter.
- Dry-running protection with sensor free.
- LCD Screen display Voltage, Current value.
- LCD display fault information and alarm.
- It can be configured according to user's requirements.
- Conforms Standard: IEC-60730-1 & IEC-60730-2-6.
- Warranty: 1 Year



MCE®
ELECTRIC

SOLAR PUMPS

ENVIRONMENTAL PROTECTION & ENERGY SAVING



SOLAR BOREHOLE PUMPS

CYCLONE
3"DC BRUSHLESS SCREW SOLAR PUMP



CYCLONE-77

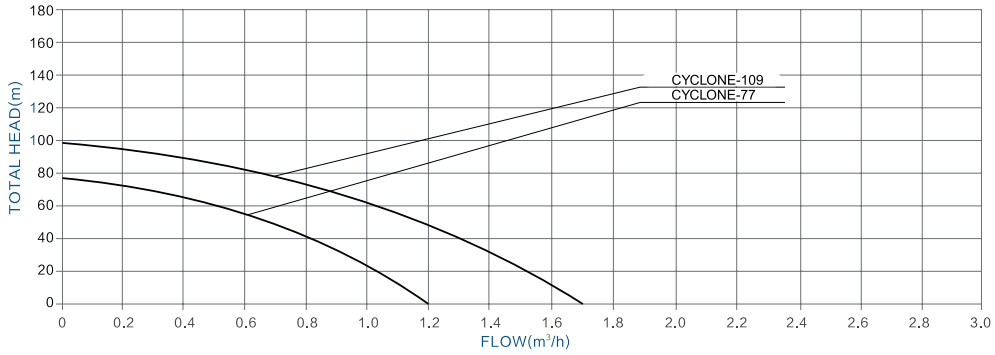


DC CONTROLLER

TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
CYCLONE-77	36V	30V–48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
CYCLONE-109	48V	60V–90V	500W	1.7m³/h	109m	0.75"	2m	<100V	≥1.3*PUMP POWER

HYDRAULIC PERFORMANCE CURVES



AMOUNT OF SOLAR PANELS REQUIRED (To Be Bought Separately):

CYCLONE-77: 330W x 1 | CYCLONE-109: 330W x 2

The Items Above Come Complete With An Installation Pack & 1 x Float Switch

TYPHOON
3"DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



TYPHOON-50

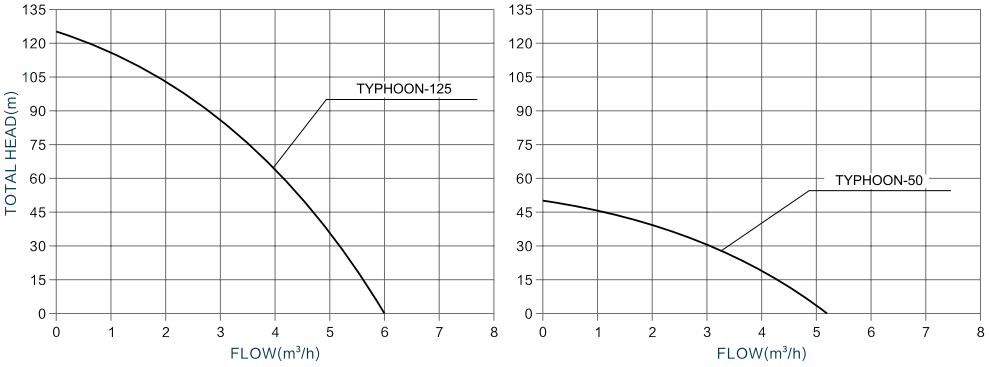


DC CONTROLLER

TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
TYPHOON-50	72V	90V–120V	600W	5.2m³/h	50m	1.5"	2m	<150V	≥1.3*PUMP POWER
TYPHOON-125	110V	110V–150V	1500W	6m³/h	125m	1.5"	2m	<200V	≥1.3*PUMP POWER

HYDRAULIC PERFORMANCE CURVES



AMOUNT OF SOLAR PANELS REQUIRED (To Be Bought Separately):

TYPHOON-50: 330W x 3 | TYPHOON-125: 330W x 8

The Items Above Come Complete With An Installation Pack & 1 x Float Switch

PLEASE BE ADVISED A WEATHERPROOF DC ISOLATOR MUST BE INCLUDED TO ISOLATE PANELS FOR MAINTENANCE.

REFER TO ODD16 to 32D/E2/E4/E22 FOR SELECTION ACCORDING TO APPLICATION

SOLAR CENTRIFUGAL PUMPS

AQUA
DC BRUSHLESS CENTRIFUGAL SOLAR PUMP



AQUA-6



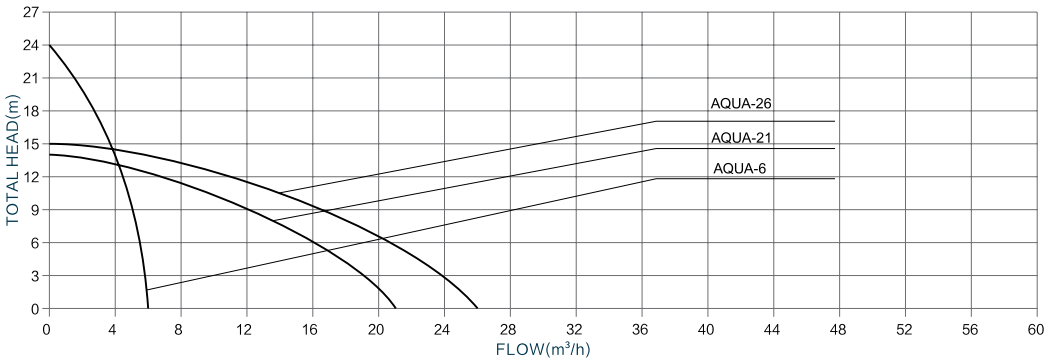
DC CONTROLLER

Portable Pump Unit

TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
AQUA-6	48V	60V –90V	550W	6m³/h	24m	1"	0.6m	<100V	≥1.3*PUMP POWER
AQUA-21	72V	90V–120V	750W	21m³/h	14m	2"	0.6m	<150V	≥1.3*PUMP POWER
AQUA-26	72V	90V–120V	1100W	26m³/h	15m	2"	0.6m	<150V	≥1.3*PUMP POWER

HYDRAULIC PERFORMANCE CURVES



AMOUNT OF SOLAR PANELS REQUIRED (To Be Bought Separately):

AQUA-6: 330W x 2 | AQUA-21: 330W x 3 | AQUA-26: 330W x 6

The Items Above Come Complete With An Installation Pack (Float Switches to be Ordered Separately if required).

Pumps To Be Primed Before Use

SOLAR SURFACE PUMPS

HURRICANE



HURRICANE-30

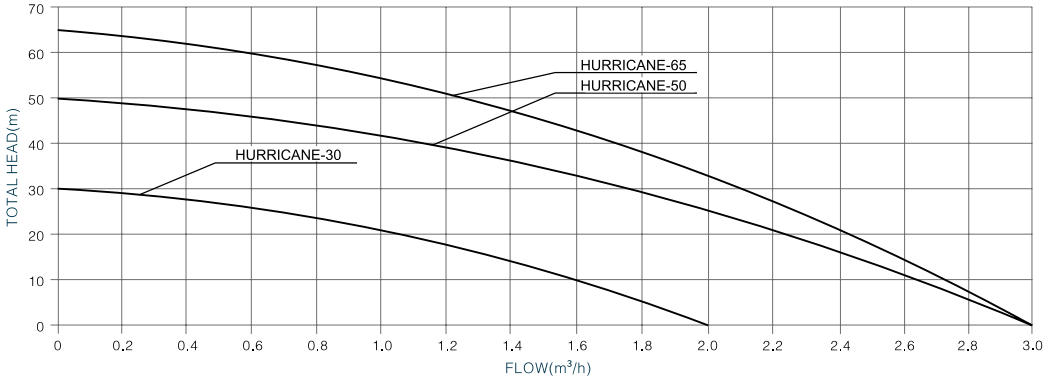


DC CONTROLLER

TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
HURRICANE-30	24V	30V–48V	280W	2m³/h	30m	1 × 1"	2m	<50V	≥1.3*PUMP POWER
HURRICANE-50	48V	60V–90V	550W	3m³/h	50m	1 × 1"	2m	<100V	≥1.3*PUMP POWER
HURRICANE-65	72V	90V–120V	750W	3m³/h	65m	1 × 1"	2m	<150V	≥1.3*PUMP POWER

HYDRAULIC PERFORMANCE CURVES



AMOUNT OF SOLAR PANELS REQUIRED (To Be Bought Separately):

HURRICANE-30: 330W x 1 | HURRICANE-50: 330W x 2 | HURRICANE-65: 330W x 3

The Items Above Come Complete With An Installation Pack (Float Switches to be Ordered Separately if required).

Pumps To Be Primed Before Use

PLEASE BE ADVISED A WEATHERPROOF DC ISOLATOR MUST BE INCLUDED TO ISOLATE PANELS FOR MAINTENANCE.

REFER TO ODD16 to 32D/E2/E4/E22 FOR SELECTION ACCORDING TO APPLICATION

SOLAR POOL PUMPS

AZURE
DC BRUSHLESS SWIMMING POOL SOLAR PUMP



AZURE-15



AZURE-20



AZURE-27

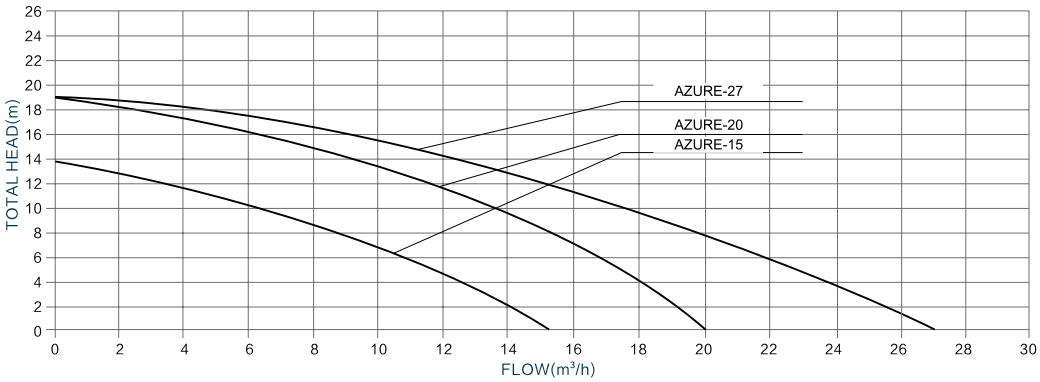


DC CONTROLLER

TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
AZURE-15	48V	80V-90V	500W	15m³/h	14m	2X2"	2m	<100V	⩾1.3*PUMP POWER
AZURE-20	72V	90V-120V	900W	20m³/h	19m	2X2"	2m	<150V	⩾1 3*PUMP POWER
AZURE-27	110V	110V-150V	1200W	27m³/h	19m	3X3"	2m	<200V	⩾1 3*PUMP POWER

PERFORMANCE CURVES



AMOUNT OF SOLAR PANELS REQUIRED (To Be Bought Separately):

AZURE-15: 330W x 2 | AZURE-20: 330W x 3-6 Panels <50-150V | AZURE-27: 330W x 3-6 Panels <50-150V

The Items Above Come Complete With Pipe Fittings & An Installation Pack

Pumps To Be Primed Before Use

AZURE-DUO
AC/DCBRUSHLESS SWIMMING POOL SOLAR PUMP



AZURE-DUO-20



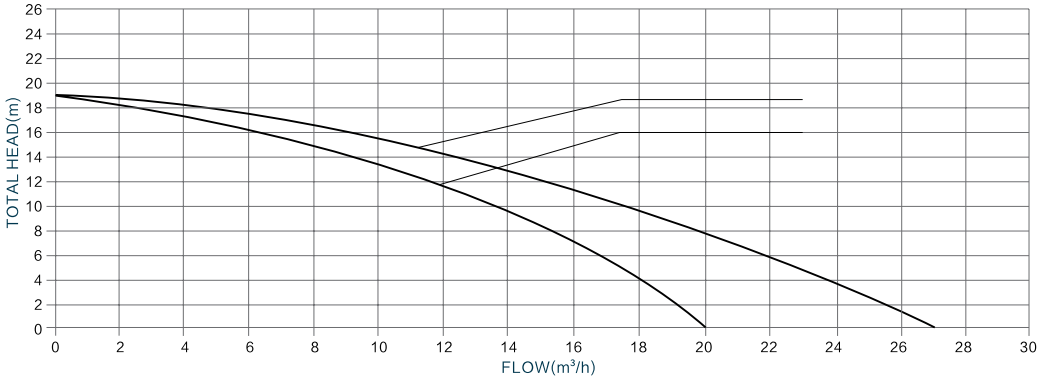
AZURE-DUO-27



AC/DC AUTO SWITCHING CONTROLLER

TECHNICAL DATA

ITEM	Voltage (AC)	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
AZURE-DUO-20	85V-280V	80V-420V	900W	20m³/h	19m	2X2"	2m	<420V	⩾1.3*PUMP POWER
AZURE-DUO-27	85V-280V	80V-420V	1200W	27m³/h	19m	3X3"	2m	<420V	⩾1.3*PUMP POWER



AMOUNT OF SOLAR PANELS REQUIRED (To Be Bought Separately):

AZURE-DUO-20: 330W x 4-7 Panels <420V | AZURE-DUO-27: 330W x 5-7 Panels <420V

The Items Above Come Complete With Pipe Fittings & An Installation Pack

Pumps To Be Primed Before Use

PLEASE BE ADVISED A WEATHERPROOF DC ISOLATOR MUST BE INCLUDED TO ISOLATE PANELS FOR MAINTENANCE.

REFER TO ODD16 to 32D/E2/E4/E22 FOR SELECTION ACCORDING TO APPLICATION



REPLACEMENT DC PUMP CONTROLLER

HBB-24
(24VDC) Controller Box - Used With 24VDC Pumps

CBB-36
(36VDC) Controller Box - Used With 36VDC Pumps

HBB-48
(48VDC) Controller Box - Used With 48VDC Pumps

TCB-50
(72VDC) Controller Box - Used With 72VDC Pumps

TCB-125
(110VDC) Controller Box - Used With 110VDC Pumps



PRESSURE SWITCH

SP-2A

- Pressure setting: 20-40 psi - (1.3 - 2.7 Bar)
- Rated current: 12A
- Rated voltage: 110V-240V
- Frequency: 50/60Hz
- Maximum ambient temperature: 40 C
- Maximum Medium Temperature: 60 C
- Protection Level: IP20

Ideal To Use With Cyclone Borehole Pumps For Stock Watering Applications.

Ensure That A Non-Return Valve Is Installed At The Inlet Of The Borehole Pump To Keep The Pipe Pressurised.

NEW!



ZINC ANODES

CYC-ANODE
Zinc Anode for CYCLONE 77 and 109

TYPH-ANODE
Zinc Anode for TYPHOON 50 and 125



Installation Example

NEW!



HELICAL ROTOR

CYC-HR
Helical Rotor Part for CYCLONE Pumps Only

DC SOLAR PUMP CONTROLLER



LED Indicator lights

- Voltage Light (V): Illuminates in Voltage Display mode
- Speed Light (RPM): Illuminates in Speed display mode
- Current Light (A): Illuminates in Current display mode
- Power Light (W): Illuminates in power mode
- Full water Light (Tank): Illuminates when tank is full
- Low Water Light (WELL): Illuminates when water supply is low
- Solar Mode light (MPPT): Illuminates when Solar is main Power Supply
- Power and Running Mode (POWER): Flashes When Not Worrking, Light Stays On Whilst Working.

Test Running the Pump:

Before testing the Pump The Control Box switch must be in the OFF position. If it is a submersible pump it must be under water at ALL TIMES and should have been Pre-conditioned for at least 15 minutes. The water is the lubrication for the pump and if it is not pre conditioned properly, the bearings will not be adequately lubricated. DO NOT attempt to start the Pump if it is not submerged in water as this will also permanently damage the pump and void the warranty. You will need a large Container/ Drum of suitable size to test the Pump correctly, as well as ensuring that it does not run dry so the pump outlet should be recycled back into the container to prevent this. NEVER use the Power cable to raise or Lower the pump. Rather attached a Durable Rope or Stainless steel cable to the top of the pumps using the mounting hole provided. Also Ensure the Rope/Cable is longer than the depth at which you wish to install the pump. Use this to raise and lower the pump, never the power cable.

ATTENTION

ALWAYS keep the submersible pumps under water at all times.
Ensure all electrical connections are correct.
Should the pump not be used for a long while it should be removed from the Well/Tank /Reservoir and the body and Screw should be wiped with a vegetable oil.
Ensure that the pump has adequate water around it during pumping.
NEVER run without water or run the pump out of the water, this will void the warranty.
Make sure to place your PV panels in a sunny position facing true north (In the Southern Hemisphere) or true South (in The Northern Hemisphere) and on the correct horizontal plane. If the panel angle is fixed than an angle equal to your current latitude will be a good compromise.
Pumps are made for Clear water Pumping only. Not to be used for Dirty water or Sewerage. Premature wear or Blockages will not be covered by the warranty
Do not disassemble the Pump or Control box as this will also void the warranty. Return it to the Supplier for inspection.

PUMP OPERATION MODE

Pump Start

- Power on - If no float switch is present the system starts by default, with a Float Switch connected the pump will operate according to the Float Switch Signal.
- Button to Start - If no Float Switch is present in the system, press the RUN Key. If there is a float switch connected the Pump will operate according to the Float Switch level.
- Low Tank Water Start - If there is no signal between WELL and COM and TL is closed the pump will start immediately. If there is no TL closure wait for 15 min.
- High Tank Water Start - If there is no signal between TH and COM and TL is getting a signal the Pump will start. Without Signal to TL wait 15 mins.

Pump Stop

- Float Switch Signal • Filling: When float switches full contact closes Pump will stop.
- Emptying: When Float Switch low signal contact closed pump will stop.
- Dry Pump Shutdown - If the current is less than the set current for 20 sec the motor will stop and Show Error P48. This will reset after 10 min of the fault being cleared.
- Stop Button - Pressing the ON/OFF Button will stop or start the motor.

Pump Operation

- On start up the unit check for DC (Battery) and PV (Solar) for 20 Sec then switches to relevant mode to run.
- DC Mode (Battery)
  In DC (Battery) mode, the speed is adjustable and the range is 1 000 – 4 000 RPM. The default setting is 4 000 RPM. The speed can be set by the UP and DOWN Key. When DC voltage drops below the protection voltage it cuts off pump.

PV Mode

- PV mode is also adjustable same as the DC Mode (Max Speed 4 000 RPM). The running speed of the pump is determined by the output current of the Solar panel/s. The system tracks the output of the Solar panels in Real time (MPPT).
Sunny Day = High output | Cloudy day = Low output

The MPPT indicator flashes at a high frequency when the PV output is high and flashes Slowly when the PV Output is low. If the speed of the pump drops below 600 RPM the pump will stop and bring up P46 Error. The Unit will try and restart 5 times every 10 sec and then every 10 min.

When the PV voltage drops below Low voltage for 10 Sec, a PL Fault will be displayed. The unit will try to restart for 5 times every 10 sec and then every 10 min.

- DC Reverse Polarity Protection: If DC Supply polarity is reversed the Main Board and operation Panel indicators will not light up.
- Speed Setting: Start up Speed can be adjusted in Factory mode, but on power Down it reverts to Default setting.

How to set the Solar Pump RPM in memory

1. Firstly **Hold** the **Set** button until the controller shows **P0.0**
2. Then Press the **Enter** button & Press the **Up** or **Down** button until **12** is displayed
3. 3 Press Enter button then press **Up** from **P0.0** until **P0.9**, is achieved then press **Enter** again
4. Then use the Up and Down to set the desired pumps RPM required
5. Press **Enter** to lock your choice and then **hold** the **set** button until you exit the program.
   The pump will then keep this RPM setting for every day and there will be no need to set everyday

AC/DC SOLAR PUMP CONTROLLER



LED Indicator lights

- Voltage Light (V): Illuminates in Voltage Display mode
- Speed Light (RPM): Illuminates in Speed display mode
- Current Light (A): Illuminates in Current display mode
- Power Light (W): Illuminates in power mode
- Full water Light (Tank): Illuminates when tank is full
- Low Water Light (WELL): Illuminates when water supply is low
- Solar Mode light (MPPT): Illuminates when Solar is main Power Supply
- Power and Running Mode (POWER): Illuminated when running with DC, flashing means pump has stopped, and 5 sec Flashing is running on AC Power

PUMP OPERATION MODE

Pump Start

- Power on - If no float switch is present the system starts by default, with a Float Switch connected the pump will operate according to the Float Switch Signal.
- Button to Start - If no Float Switch is present in the system, press the RUN Key. If there is a float switch connected the Pump will operate according to the Float Switch level.
- Low Tank Water Start - If there is no signal between WELL and COM and TL is closed the pump will start immediately. If there is no TL closure wait for 15 min.
- High Tank Water Start - If there is no signal between TH and COM and TL is getting a signal the Pump will start. Without Signal to TL wait 15 mins.

Pump Stop

- Float Switch Signal • Filling: When float switches full contact closes Pump will stop.
- Emptying: When Float Switch low signal contact closed pump will stop.
- Dry Pump Shutdown - If the current is less than the set current for 20 sec the motor will stop and Show Error P48. This will reset after 10 min of the fault being cleared.
- Stop Button - Pressing the ON/OFF Button will stop or start the motor.

Pump Operation

- On start up the unit check for DC (Battery) and PV (Solar) for 20 Sec then switches to relevant mode to run.
- DC Mode (Battery)
  In DC (Battery) mode, the speed is adjustable and the range is 1 000 – 4 000 RPM. The default setting is 4 000 RPM. The speed can be set by the UP and DOWN Key. When DC voltage drops below the protection voltage it cuts off pump.

PV Mode

- PV mode is also adjustable same as the DC Mode (Max Speed 4 000 RPM). The running speed of the pump is determined by the output current of the Solar panel/s. The system tracks the output of the Solar panels in Real time (MPPT).
  Sunny Day = High output | Cloudy day = Low output

The MPPT indicator flashes at a high frequency when the PV output is high and flashes Slowly when the PV Output is low. If the speed of the pump drops below 600 RPM the pump will stop and bring up P46 Error. The Unit will try and restart 5 times every 10 sec and then every 10 min.

When the PV voltage drops below Low voltage for 10 Sec, a PL Fault will be displayed. The unit will try to restart for 5 times every 10 sec and then every 10 min.

- DC Reverse Polarity Protection: If DC Supply polarity is reversed the Main Board and operation Panel indicators will not light up.
- Speed Setting: Start up Speed can be adjusted in Factory mode, but on power Down it reverts to Default setting.

AC/DC SWITCHING STRATEGY

Independent Solar Power - When the PV (Solar) is above the minimum setting the unit switches to solar power

Simultaneous AC and DC Power Supply - When the PV (Solar) output is below the minimum setting, the unit switches to simultaneous AC and DC power.

Solar DC Power switches to simultaneous AC and DC - When in DC power status and the DC drops below set values for more than 60 sec the unit will switch to AC power

Simultaneous AC and DC switching to Solar DC Power Supply - When PV (Solar) output exceeds the set values for 15 min, the unit will switch back to solar DC power mode When the AC power is off the unit switches to Solar DC.

AC Power incoming monitoring - When Solar is below running setting and AC power is off the unit will monitor for restoration of AC power in increments of first 5 min, then 15 min and lastly 30 min.

How to set the Solar Pump RPM in memory

1. Firstly **Hold** the **Set** button until the controller shows **P0.0**
2. Then Press the **Enter** button & Press the **Up** or **Down** button until **12** is displayed
3. 3 Press Enter button then press **Up** from **P0.0** until **P0.9**, is achieved then press **Enter** again
4 Then use the Up and Down to set the desired pumps RPM required
5. Press **Enter** to lock your choice and then **hold** the **set** button until you exit the program.
   The pump will then keep this RPM setting for every day and there will be no need to set everyday

TERMINALS & ACCESSORIES



Din Terminals - Polyamide 6.6

Product Image	Part Number	Description	Wire Size	Terminal Width	Rated Current
	**43408**	2,5mm Terminal	0,5 - 2,5mm	5mm	24 Amps
	43409	4mm Terminal	0,5 - 4mm	6mm	32 Amps
	43401	6mm Terminal	0,5 - 6mm	7mm	41 Amps
	43402	10mm Terminal	1,5 - 10mm	9mm	57 Amps
	43403	16mm Terminal	2,5 - 25mm	12mm	101 Amps
	43404	35mm Terminal	6 - 50mm	16mm	150 Amps
	43405	70mm Terminal	16 - 70mm	26mm	192 Amps
	*Fully insulated (No end plate Required)				

END PLATES FOR STANDARD TERMINALS - (POLYAMIDE 6.6)



43010 2,5mm & 4mm End Plate
43011 6mm & 10mm End Plate
43013 16mm End Plate
43014 35mm End Plate

PROTECTIVE COVERS FOR STANDARD TERMINALS



43035 2,5mm Protective Cover
43030 4mm Protective Cover
43031 6-10mm Protective Cover
43033 16mm Protective Cover
43034 35mm Protective Cover



DIVISION PLATES FOR STANDARD TERMINALS

43015 2,5mm - 4mm Division Plate
43016 6mm - 10mm Division Plate



END STOPS FOR ALL TERMINALS

43442 Terminal End Stop (Metallic Clamp)
43444 ECONO Terminal End Stop

Earth Terminals (Green/Yellow) - Polyamide 6.6

Product Image	Part Number	Description	Wire Size	Terminal Width
	**43454**	4mm EarthTerminal	0,5 - 4mm	7mm
	43450	6mm EarthTerminal	0,5 - 6mm	8mm
	43458	10mm EarthTerminal	1,5 - 10mm	10mm
	43451	25mm EarthTerminal	1,5 - 25mm	12mm
	43457	50mm EarthTerminal	2,5 - 50mm	16mm



FUSED TERMINALS - (POLYAMIDE 6.6)

43445 H	4mm fused terminal	10mm	Excl.5 x 20 fuse
43446 H	4mm disconnecting terminal	10mm	including link

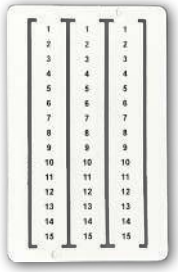
Two & Three Tier Terminals - Polyamide 6.6

Product Image	Part Number	Description	Wire Size	Terminal Width	Rated Current
	**43550**	4mm Two Tier Terminal	0,5 - 4mm	6mm	32 Amps
	43504	2,5mm Three Tier Terminal	0,5 - 2,5mm	5,3mm	24 Amps

Terminal Accessories - Polyamide 6.6

Product Image	Part Number	Description
	**43096**	4mm Two Tier End Plate
	43084	4mm Two Tier Protective Cover
	43542	2,5mm Three Tier End Plate

Terminals Number Markers - 15 Markers Per Strip

Product Image	Part Number	Description	Terminal Width	Terminal Number/Alphabet/Symbol
	**43192**	Terminal Marker	2,5 - 70mm	0 - 9 or A - Z =, +, -, ER (Earth Symbol) or Blank Marking Tag *Please Specify
	43196	Terminal Marker	4 - 70mm	Blank Marking Tag
	43504	Terminal Marker	-	3 Tier Blank Marking Tag

Bridge Bar Packages - Copper Nickel Plated

Product Image	Part Number	Description	Poles or Length
	**43525/24**	2,5mm Bridge Bar	24 Poles
	43520/24	4mm Bridge Bar	24 Poles
	43621/24	6mm Bridge Bar	24 Poles
	43022	10mm Bridge Bar	0,5m Length
	43023	16mm Bridge Bar	0,5m Length
	43024	35mm Bridge Bar	0,5m Length

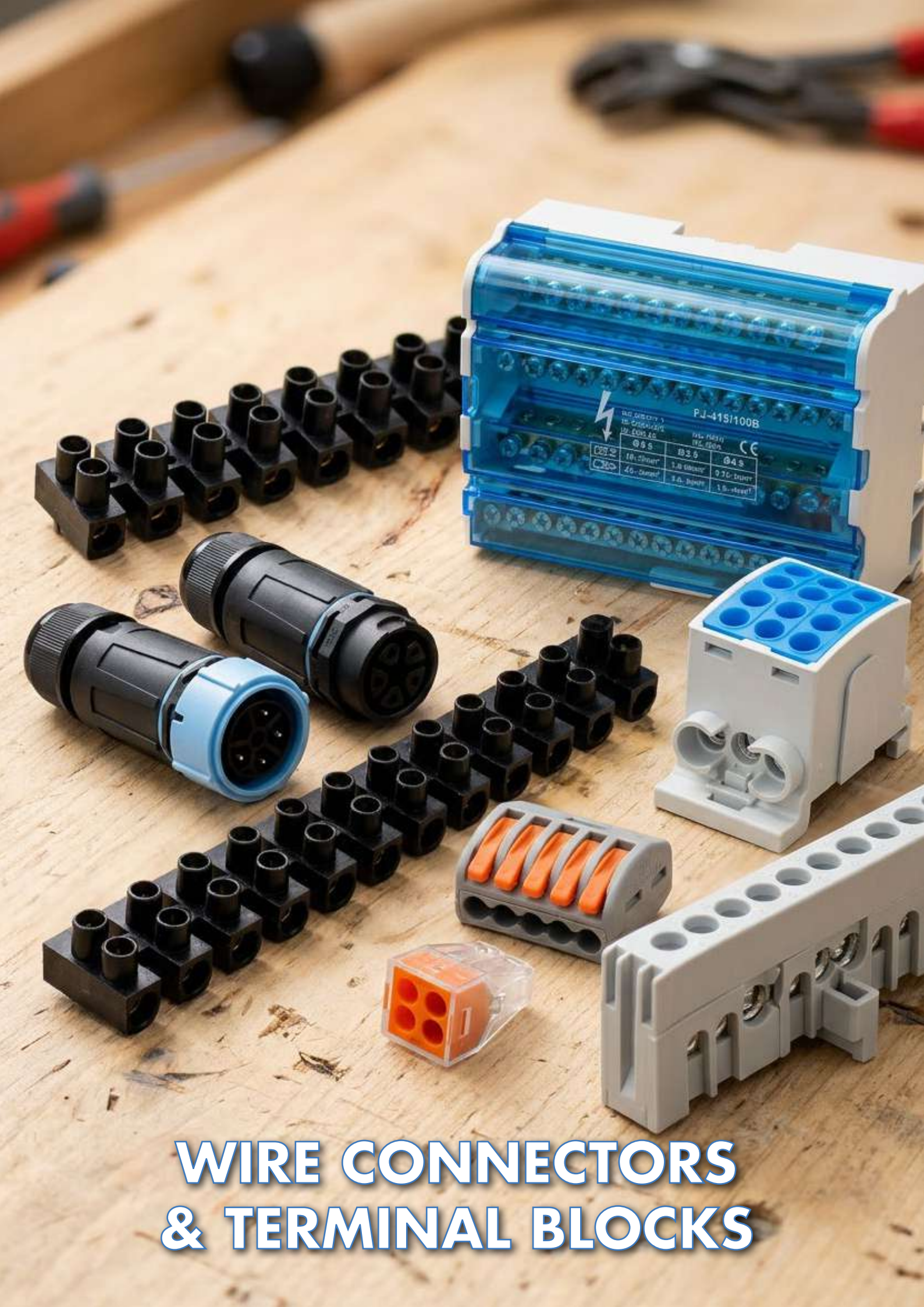
Din Terminals With Covers

Product Image	Part Number	Description	Wire Size	Terminal Width	Rated Current
	**IN12BK**	Terminal Block	2,5mm	2 Way	20 Amps
	IN13SBK	Terminal Block	2,5mm	3 Way	15 Amps
	IN20BK	Terminal Block	4,0mm	3 Way	30 Amps
	IN30BK	Terminal Block	10mm	3 Way	50 Amps
	IN411S	Terminal Block	16mm	1 Way	60 Amps
	IN60BK	Terminal Block	25mm	1 Way	90 Amps
	IN100K	Terminal Block	35mm	1 Way	130 Amps
	IN200K	Terminal Block	95mm	1 Way	240 Amps
	IN400K	Terminal Block	195mm	1 Way	370 Amps

Base Mount Terminals With Covers

Product Image	Part Number	Description	Wire Size	Terminal Width	Rated Current
	**TB-25A-3P**	Terminal Block	2,5mm	3 Way	25 Amps
	TB-25A-4P	Terminal Block	2,5mm	4 Way	25 Amps
	TB-25A-6P	Terminal Block	2,5mm	6 Way	25 Amps
	TB-25A-10P	Terminal Block	2,5mm	10 Way	25 Amps
	TB-25A-12P	Terminal Block	2,5mm	12 Way	25 Amps

Product Image	Part Number	Description	Wire Size	Terminal Width	Rated Current
	**TB-35A-3P**	Terminal Block	4mm	3 Way	35 Amps
	TB-35A-4P	Terminal Block	4mm	4 Way	35 Amps
	TB-35A-6P	Terminal Block	4mm	6 Way	35 Amps
	TB-35A-10P	Terminal Block	4mm	10 Way	35 Amps
	TB-35A-12P	Terminal Block	4mm	12 Way	35 Amps



WIRE CONNECTORS & TERMINAL BLOCKS

Polypropylene Terminal Blocks

Product Image	Part Number	Current	Terminals (Way)	Colour	Solid Wire	Strip Length	Pitch
 SOLD IN PACKS OF 10.	**CTBB-6A**	6A	12	Black	1,5mm	105mm	10mm
	CTBB-10A	10A	12	Black	2,5mm	110mm	12mm
	CTBB-16A	16A	12	Black	4mm	123mm	12mm
	CTBB-20A	20A	12	Black	4mm	123mm	12mm
	CTBB-30A	30A	12	Black	6mm	160mm	13mm

Product Image	Part Number	Current	Terminals (Way)	Colour	Solid Wire	Strip Length	Pitch
 SOLD IN PACKS OF 10.	**CTBT-6A**	6A	12	Transparent	1,5mm	105mm	10mm
	CTBT-10A	10A	12	Transparent	2,5mm	110mm	12mm
	CTBT-16A	16A	12	Transparent	4mm	123mm	12mm
	CTBT-20A	20A	12	Transparent	4mm	123mm	12mm
	CTBT-30A	30A	12	Transparent	6mm	160mm	13mm

Wire Connectors

Product Image	Part Number	Current	Connectors (Wire)	Colour	Solid Wire	Strip Length	Rated Voltage
 SOLD IN PACKS OF 10.	**RC-102**	24A	2	Yellow	0,75 - 2,5mm^2	12mm	400V
	RC-104	24A	4	Orange	0,75 - 2,5mm^2	12mm	400V
	RC-106	24A	6	Purple	0,75 - 2,5mm^2	12mm	400V
	RC-108	24A	8	Blue	0,75 - 2,5mm^2	12mm	400V
	RC-103D	32A	3	Orange	2,5 - 6mm^2	12mm	400V
	RC-104D	32A	4	Orange	2,5 - 6mm^2	12mm	400V



Quick Wire Connectors

Product Image	Part Number	Current	Connectors (Wire)	Colour	Solid Wire	Strip Length	Rated Voltage
 REUSABLE	**RC-412**	32A	2	Grey	0,08 - 2,5mm²	9mm	250V
	RC-413	32A	3	&	0,08 - 2,5mm²	9mm	250V
	NEW! **RC-414**	32A	4	Orange	0,08 - 2,5mm²	9mm	250V
	RC-415	32A	5		0,08 - 2,5mm²	9mm	250V

SOLD IN PACKS OF 10. (**RC-414** PACKS OF 30)

Joining Wire Connectors

NEW! Product Image	Part Number	Current	Connectors (Wire)	Colour	Solid Wire	Strip Length	Rated Voltage
 REUSABLE	**RC-2-2**	32A	2	Grey	0,08 - 2,5mm²	9mm	250V
	RC-2-3	32A	3	&	0,08 - 2,5mm²	9mm	250V
	RC-2-4	32A	4	Orange	0,08 - 2,5mm²	9mm	250V
	RC-2-5	32A	5		0,08 - 2,5mm²	9mm	250V

SOLD IN PACKS OF 30.

Wire Splitter Connecting Blocks

NEW! Product Image	Part Number	Current	Poles	Connectors (Wire)	Colour	Solid Wire	Strip Length	Rated Voltage
 REUSABLE	**WDC-42**	32A	2	2	Grey	0,08 - 2,5mm²	9mm	250V
	WDC-62	32A	2	6	Blue	0,08 - 2,5mm²	9mm	250V
	WDC-63	32A	3	6	&	0,08 - 2,5mm²	9mm	250V
	WDC-93	32A	3	9	Orange	0,08 - 2,5mm²	9mm	250V

SOLD IN PACKS OF 30.

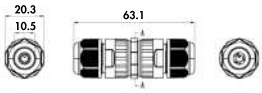
Din Rail Quick Connectors

NEW! Product Image	Part Number	Current	Poles	Connectors (Wire)	Colour	Solid Wire	Strip Length	Rated Voltage
 REUSABLE	**DQC-2-1D**	32A	1	1	Grey	0,2 - 4mm²	9mm	250V
	DQC-2-2D	32A	2	2	&	0,2 - 4mm²	9mm	250V
	DQC-2-3D	32A	3	3	Orange	0,2 - 4mm²	9mm	250V

SOLD IN PACKS OF 30.

WIRE CONNECTORS - -SCREW TYPE



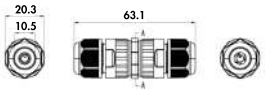


WCC-M16-2P



- Connections: 2
- Voltage rating: 400V
- Current rating: 17.5A
- Wire gauge: <= 0.5mm² - 1.5mm²
- Cable OD: Max. 7mm/10mm
- Operating Rating: -40°C To +105°C
- Gland Size: 16mm
- IP Rating: IP68



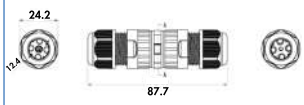


WCC-M16-3P



- Connections: 3
- Voltage rating: 400V
- Current rating: 17.5A
- Wire gauge: <= 0.5mm² - 1.5mm²
- Cable OD: Max. 7mm/10mm
- Operating Rating: -40°C To +105°C
- Gland Size: 16mm
- IP Rating: IP68

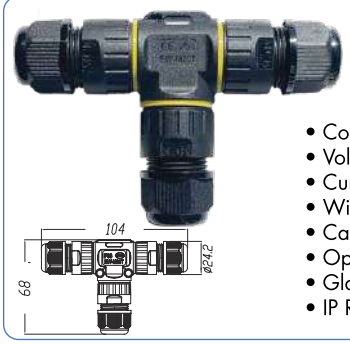




WCC-M20-3P



- Connections: 3
- Voltage rating: 400V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 9mm/12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 20mm
- IP Rating: IP68

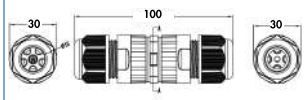


WCC-M20T-3P



- Connections: 3
- Voltage rating: 400V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 9mm/12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 20mm
- IP Rating: IP68



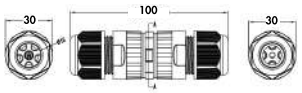


WCC-M25-4P



- Connections: 4
- Voltage rating: 400V
- Current rating: 40A
- Wire gauge: <= 1mm² - 6mm²
- Cable OD: Max. 9mm/12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 25mm
- IP Rating: IP68





WCC-M25-5P



- Connections: 5
- Voltage rating: 400V
- Current rating: 40A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 9mm/12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 25mm
- IP Rating: IP68





QUICK CABLE CONNECTORS

NEW!



WCC-M20-3PQC



- Connections: 3
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 5 - 9mm/9 - 12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 20mm
- IP Rating: IP68

NEW!



WCC-M20T-3PQC



- Connections: 3
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 5 - 9mm/9 - 12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 20mm
- IP Rating: IP68

NEW!



WCC-M25-4PQC



- Connections: 4
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 5 - 9mm/9 - 12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 25mm
- IP Rating: IP68

NEW!



WCC-M25-5PQC



- Connections: 5
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 5 - 9mm/9 - 12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 25mm
- IP Rating: IP68

NEW!



WCC-MFM20-3PQC



- Connections: 3
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 9mm/12mm
- Operating Rating: -40°C To +105°C
- Gland Size: 20mm
- IP Rating: IP68

NEW!



WCC-MFM25-4PQC



- Connections: 4
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 5 - 9mm/9 - 12mm
  10 - 14mm
- Operating Rating: -40°C To +105°C
- Gland Size: 25mm
- IP Rating: IP68

NEW!



WCC-MFM25-5PQC



- Connections: 5
- Voltage rating: 450V
- Current rating: 24A
- Wire gauge: <= 0.5mm² - 2.5mm²
- Cable OD: Max. 5 - 9mm/9 - 12mm
  10 - 14mm
- Operating Rating: -40°C To +105°C
- Gland Size: 25mm
- IP Rating: IP68





- Terminal Material: Polymide 6.6 Self extinguishing • DIN rail mounting
- Transparent cover for viewing terminations • Ipk 20kA - Ui:500V (AC)

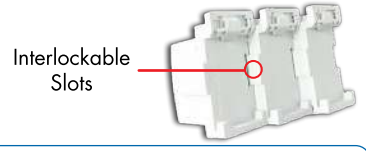
Multi Pole Distribution Blocks - Din Rail Mount

Product Image	Part Number	Amp Rating	Ui Voltage	Poles	Terminals mm^2	Dimensions (L x H x W)
	**FJ207**	100A	500VAC	2 Pole	1 x 25mm^2 3 x 16mm^2 3 x 6mm^2	64 x 50 x 50
	FJ407	125A	500VAC	4 Pole	1 x 25mm^2 1 x 16mm^2 5 x 6mm^2	64 x 50 x 90
	FJ411	125A	500VAC	4 Pole	2 x 25mm^2 2 x 16mm^2 7 x 6mm^2	100 x 50 x 90
	FJ415	125A	500VAC	4 Pole	2 x 25mm^2 2 x 16mm^2 11 x 6mm^2	130 x 50 x 90

Multi Pole Distribution Blocks - Din Rail Or Bolt Down Mount

Product Image	Part Number	Amp Rating	Ui Voltage	Input mm^2	Output mm^2	Dimensions (L x H x W)
	**FJ63**	63A	1000VAC	1 x 16mm^2	2 x 16mm^2 4 x 6mm^2	66 x 46 x 27
	FJ80	80A	1000VAC	1 x 16mm^2	2 x 16mm^2 3 x 6mm^2	66 x 46 x 27
	FJ100	100A	1000VAC	1 x 35mm^2	6 x 16mm^2 1 x 16mm^2	77 x 46 x 29
	**FJ125**	125A	1000VAC	1 x 35mm^2 1 x 16mm^2	6 x 16mm^2	77 x 46 x 29
	FJ160	160A	1000VAC	1 x 70mm^2 1 x 16mm^2	6 x 16mm^2	77 x 46 x 29
	FJ250	250A	1000VAC	1 x 120mm^2	4 x 10mm^2 5 x 16mm^2 2 x 35mm^2	96 x 50 x 46
	**FJ300**	300A	1000VAC	1 x 185mm^2	4 x 10mm^2 5 x 16mm^2 2 x 35mm^2	96 x 50 x 46
	FJ400	400A	1000VAC	1 x 185mm^2	4 x 10mm^2 5 x 16mm^2 2 x 35mm^2	96 x 50 x 46

- Terminal Material: PA66 Polymide Self extinguishing • DIN rail mounting
- Ui:1000V (AC) • IP20



2 Way PA66 Polymide Terminal Blocks - Interlockable

NEW!

POLYMIDE TERMINAL BLOCKS - DIN RAIL MOUNT - 25MM, 35MM & 70MM



TB25162W-BL / TB25162W-GR / TB25162W-GY
150A, 2 Way, AC Only; Ui=1000V; Torque: 2.5/2 Cu (Nm)
Terminals per pole: In 1 x 25mm²; Out 1 x 25mm²
In 1 x 16mm²; Out 1 x 16mm²
Dimensions L x D x W: 48.6 x 36.5 x 23.5mm
BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-25mm²

TB35252W-BL / TB35252W-GR / TB35252W-GY
185A, 2 Way, AC Only; Ui=1000V; Torque: 3/2.5 Cu (Nm)
Terminals per pole: In 1 x 35mm²; Out 1 x 35mm²
In 1 x 25mm²; Out 1 x 25mm²
Dimensions L x D x W: 55 x 38.5 x 27.5mm
BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-35mm²

TB702W-BL / TB702W-GR / TB702W-GY
350A, 2 Way, AC Only; Ui=1000V; Torque: 3 Cu (Nm)
Terminals per pole: In 2 x 70mm²; Out 2 x 70mm²
Dimensions L x D x W: 55 x 41.7 x 38mmm

BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-70mm²

3 Way PA66 Polymide Terminal Blocks - Interlockable

NEW!

POLYMIDE TERMINAL BLOCKS - DIN RAIL MOUNT - 25MM & 35MM



TB25163W-BL / TB25163W-GR / TB25163W-GY
215A, 3 Way, AC Only; Ui=1000V; Torque: 2.5/2 Cu (Nm)
Terminals per pole: In 1 x 25mm²; Out 1 x 25mm²
In 2 x 16mm²; Out 2 x 16mm²
Dimensions L x D x W: 48.6 x 36.5 x 31 mm
BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-25mm²

TB35253W-BL / TB35253W-GR / TB35253W-GY
270A, 3 Way, AC Only; Ui=1000V; Torque: 3/2.5 Cu (Nm)
Terminals per pole: In 1 x 35mm²; Out 1 x 35mm²
In 2 x 25mm²; Out 2 x 25mm²
Dimensions L x D x W: 55 x 38.5 x 37mm
BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-35mm²

4 Way PA66 Polymide Terminal Blocks - Interlockable

NEW!

POLYMIDE TERMINAL BLOCKS - DIN RAIL MOUNT - 25MM & 35MM



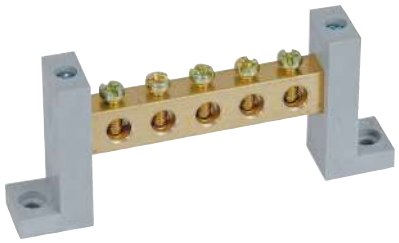
TB25164W-BL / TB25164W-GR / TB25164W-GY
280A, 4 Way, AC Only; Ui=1000V; Torque: 2.5/2 Cu (Nm)
Terminals per pole: In 1 x 25mm²; Out 1 x 25mm²
In 3 x 16mm²; Out 3 x 16mm²
Dimensions L x D x W: 48.6 x 36.5 x 38.5mm
BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-25mm²

TB35254W-BL / TB35254W-GR / TB35254W-GY
355A, 4 Way, AC Only; Ui=1000V; Torque: 3/2.5 Cu (Nm))
Terminals per pole: In 1 x 35mm²; Out 1 x 35mm²
In 3 x 25mm²; Out 3 x 25mm²
Dimensions L x D x W: 55 x 38.5 x 46.5mm
BL = Blue (Neutral) | **GR** = Green (Earth) | **GY** = Grey (Line)

Suitable for Cu Cables: 2.5-35mm²

Un-Insulated Terminal Bars

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**G-9604**	Terminal Bar	9 x 6mm	4 Way	Screw On
	G-9606	Terminal Bar	9 x 6mm	6 Way	Screw On
	G-9608	Terminal Bar	9 x 6mm	8 Way	Screw On
	G-9610	Terminal Bar	9 x 6mm	10 Way	Screw On
	G-9612	Terminal Bar	9 x 6mm	12 Way	Screw On
	G-12804	Terminal Bar	12 x 8mm	4 Way	Screw On
	G-12806	Terminal Bar	12 x 8mm	6 Way	Screw On
	G-12808	Terminal Bar	12 x 8mm	8 Way	Screw On
	G-12810	Terminal Bar	12 x 8mm	10 Way	Screw On
	G-12812	Terminal Bar	12 x 8mm	12 Way	Screw On

Terminal Bars With Cover

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**E-6-8-10K**	Terminal Bar + Cover	6 x 8mm	10 Way	Screw On
	E-6-8-15K	Terminal Bar + Cover	6 x 8mm	15 Way	Screw On
	E-8-12-5K	Terminal Bar + Cover	8 x 12mm	5 Way	Screw On
	E-8-12-10K	Terminal Bar + Cover	8 x 12mm	10 Way	Screw On
	E-8-12-15K	Terminal Bar + Cover	8 x 12mm	15 Way	Screw On

Insulated Terminal Bars

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**BD8-12-4K**	Insulated Neutral Bar	8 x 12mm	4 Way	Screw On
	BD8-12-6K	Insulated Neutral Bar	8 x 12mm	6 Way	Screw On
	BD8-12-8K	Insulated Neutral Bar	8 x 12mm	8 Way	Screw On
	BD8-12-10K	Insulated Neutral Bar	8 x 12mm	10 Way	Screw On
	BD8-12-12K	Insulated Neutral Bar	8 x 12mm	12 Way	Screw On

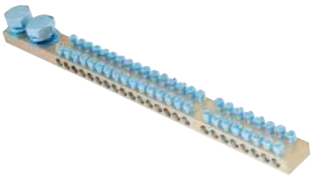
Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**G8-12-4K**	Insulated Earth Bar	8 x 12mm	4 Way	Screw On
	G8-12-6K	Insulated Earth Bar	8 x 12mm	6 Way	Screw On
	G8-12-8K	Insulated Earth Bar	8 x 12mm	8 Way	Screw On
	G8-12-10K	Insulated Earth Bar	8 x 12mm	10 Way	Screw On
	G8-12-12K	Insulated Earth Bar	8 x 12mm	12 Way	Screw On

UN-INSULATED PLATED BRASS TERMINAL BAR



TB-184
8 x 12mm (2 x 6mm & 21 x 4,5mm Connections)
Screw On

UN-INSULATED BRASS TERMINAL BAR

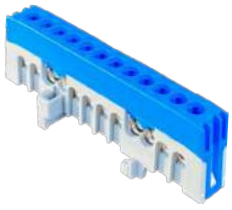


TB-230
9 x 19mm (2 x 10mm & 24 x 5mm double Connections)
Screw On

- Terminal Material: PA66 Polymide Self extinguishing
- Torque: 1.2 Cu (N-m)
- Ui:1000V (AC)
- IP20

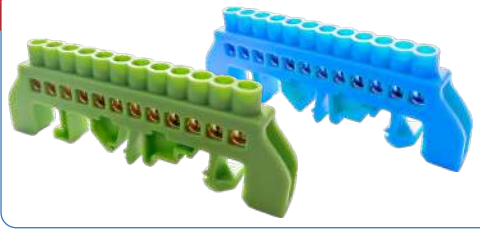
Insulated Terminals Bar - Din Rail

Product Image	Part Number	Colour	Wire Size	Terminal Width	Current Rating
	**TB167W-YG**	Yellow & Green	2,5 - 16mm	7 Way	63 Amps
	TB1612W-YG	Yellow & Green	2,5 - 16mm	12 Way	63 Amps
	TB1615W-YG	Yellow & Green	2,5 - 16mm	15 Way	63 Amps

Product Image	Part Number	Colour	Wire Size	Terminal Width	Current Rating
	**TB167W-BL**	Blue	2,5 - 16mm	7 Way	63 Amps
	TB1612W-BL	Blue	2,5 - 16mm	12 Way	63 Amps
	TB1615W-BL	Blue	2,5 - 16mm	15 Way	63 Amps

Product Image	Part Number	Colour	Wire Size	Terminal Width	Current Rating
	**TB167W-GY**	Grey	2,5 - 16mm	7 Way	63 Amps
	TB1612W-GY	Grey	2,5 - 16mm	12 Way	63 Amps
	TB1615W-GY	Grey	2,5 - 16mm	15 Way	63 Amps

Insulated Terminals Bar - Din Rail/Mini Rail + Bolt-On (3-In-1)

Product Image	Part Number	Colour	Wire Size	Terminal Width	Current Rating
	**TB-12W3IN1-G**	Green	2,5 - 16mm	12 Way	63 Amps
	TB-12W3IN1-BL	Blue	2,5 - 16mm	12 Way	63 Amps



- Terminal Material: PA66 Polymide Self extinguishing
- Torque: 1.2 Cu (N-m)
- Ui:1000V (AC)
- IP20

Terminal Bars

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**KM13/E-7**	Earth Bar	2,5 - 16mm	7 Way	Clip On
	KM13/E-10	Earth Bar	2,5 - 16mm	10 Way	Clip On
	KM13/E-12	Earth Bar	2,5 - 16mm	12 Way	Clip On
	KM13/E-13	Earth Bar	2,5 - 16mm	13 Way	Clip On
	KM13/E-15	Earth Bar	2,5 - 16mm	15 Way	Clip On

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**KM13/N-7**	Neutral Bar	2,5 - 16mm	7 Way	Clip On
	KM13/N-10	Neutral Bar	2,5 - 16mm	10 Way	Clip On
	KM13/N-12	Neutral Bar	2,5 - 16mm	12 Way	Clip On
	KM13/N-13	Neutral Bar	2,5 - 16mm	13 Way	Clip On
	KM13/N-15	Neutral Bar	2,5 - 16mm	15 Way	Clip On

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**JHS05-0812E-4**	Earth Bar	2,5 - 16mm	4 Way	Clip On
	JHS05-0812E-6	Earth Bar	2,5 - 16mm	6 Way	Clip On
	JHS05-0812E-8	Earth Bar	2,5 - 16mm	8 Way	Clip On
	JHS05-0812E-10	Earth Bar	2,5 - 16mm	10 Way	Clip On
	JHS05-0812E-12	Earth Bar	2,5 - 16mm	12 Way	Clip On

Product Image	Part Number	Description	Wire Size	Terminal Width	Type
	**JHS05-0812N-4**	Neutral Bar	2,5 - 16mm	4 Way	Clip On
	JHS05-0812N-6	Neutral Bar	2,5 - 16mm	6 Way	Clip On
	JHS05-0812N-8	Neutral Bar	2,5 - 16mm	8 Way	Clip On
	JHS05-0812N-10	Neutral Bar	2,5 - 16mm	10 Way	Clip On
	JHS05-0812N-12	Neutral Bar	2,5 - 16mm	12 Way	Clip On



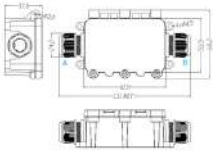
JUNCTION BOXES & PLASTIC ENCLOSURES

TERMINAL JUNCTION BOXES - IP68 2 WAY



WJB-2068-2P

2 Way IP68
Waterproof
Junction Box



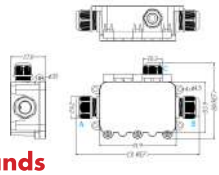
2 x M20 IP68 Glands

TERMINAL JUNCTION BOXES - IP68 3 WAY



WJB-2068-3P

3 Way IP68
Waterproof
Junction Box



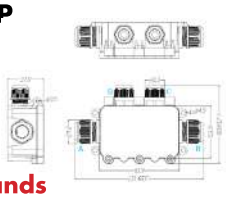
1 x M16 IP68 Glands
2 x M20 IP68 Glands

TERMINAL JUNCTION BOXES - IP68 4 WAY



WJB-2068-4P

4 Way IP68
Waterproof
Junction Box



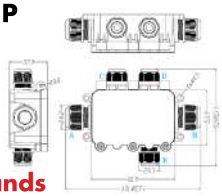
2 x M16 IP68 Glands
2 x M20 IP68 Glands

TERMINAL JUNCTION BOXES - IP68 5 WAY



WJB-2068-5P

5 Way IP68
Waterproof
Junction Box



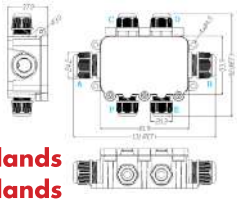
3 x M16 IP68 Glands
2 x M20 IP68 Glands

TERMINAL JUNCTION BOXES - IP68 6 WAY



WJB-2068-6P

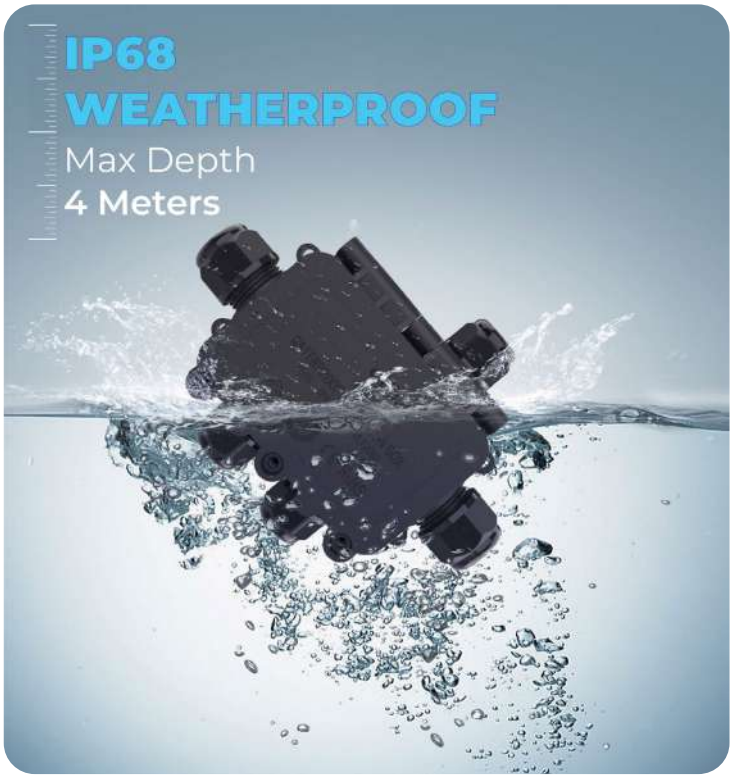
6 Way IP68
Waterproof
Junction Box



4 x M16 IP68 Glands
2 x M20 IP68 Glands

WJB2068- (2P/3P/4P/5P/6P) SPECIFICATIONS

- Ways: 2 to 6
- Voltage rating: 400V
- Current rating: 40A
- Wire gauge: <= 0.5mm² - 4mm²
- Cable OD: Max. M16 <= 7mm² - 10mm²
  M20 <= 9mm² - 12mm²
- Operating Rating: -40°C To +105°C
- Material: PA66 Nylon, Brass, Silicone
- IP Rating: IP68



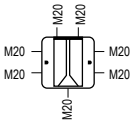


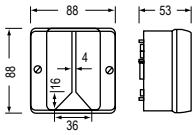
TERMINAL JUNCTION BOXES - IP54 -230 / 400VAC



D9025Z

7 Entry Junction Box
2,5mm² -20A & 4mm² - 25A
Conductor ø 6 - 13mm



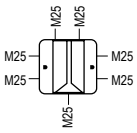


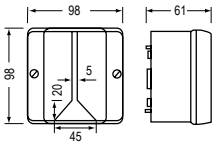
TERMINAL JUNCTION BOXES - IP54 -230 / 400VAC



D9045Z

7 Entry Junction Box
4mm² -25A & 6mm² - 32A
Conductor ø 9 - 17mm



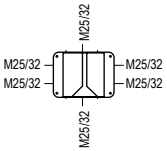


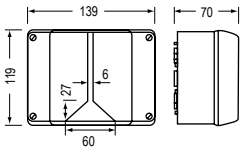
TERMINAL JUNCTION BOXES - IP54 -230 / 400VAC



K9065Z

6 Entry Junction Box
6mm² -32A & 10mm² - 50A
Conductor ø 9 - 23mm



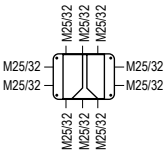


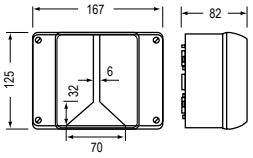
TERMINAL JUNCTION BOXES - IP54 -230 / 400VAC



K9105Z

10 Entry Junction Box
10mm² -50A & 16mm² - 65A
Conductor ø 9 - 23mm



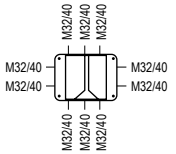


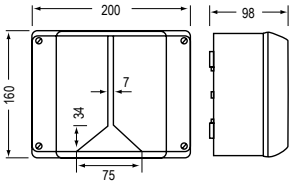
TERMINAL JUNCTION BOXES - IP54 -230 / 400VAC



K9255Z

10 Entry Junction Box
25mm² -85A & 35mm² - 100A
Conductor ø 17 - 30mm







APPLICATION



WEATHERPROOF GLANDS NOT INCLUDED

ENCLOSURES - GREY LID - IP44



GR17000
Junction Box
Ø 83 x 45

ENCLOSURES - GREY LID - IP65



GR17004
Enclosure - Grey Lid
100 x 100 x 60

ENCLOSURES - GREY LID - IP65



GR17006
Enclosure - Grey Lid
130 x 90 x 60

ENCLOSURES - GREY LID - IP65



GR17008
Enclosure - Grey Lid
150 x 110 x 75

ENCLOSURES - GREY LID - IP65



GR17009
Enclosure - Grey Lid
150 x 110 x 140

ENCLOSURES - GREY LID - IP65



GR17010
Enclosure - Grey Lid
150 x 140 x 75

ENCLOSURES - GREY LID - IP65



GR17011
Enclosure - Grey Lid
190 x 140 x 75

ENCLOSURES - GREY LID - IP65



GR17013
Enclosure - Grey Lid
170 x 170 x 120

ENCLOSURES - GREY LID - IP65



GR17015
Enclosure - Grey Lid
190 x 140 x 140

ENCLOSURES - GREY LID - IP65



GR17020
Enclosure - Grey Lid
240 x 190 x 95

ENCLOSURES - GREY LID - IP65



GR17021
Enclosure - Grey Lid
240 x 190 x 160

ENCLOSURES - GREY LID - IP65



GR17240
Enclosure - Grey Lid
240 x 190 x 120

ENCLOSURES - GREY LID - IP65



GR17242
Enclosure - Grey Lid
310 x 240 x 120

ENCLOSURES - GREY LID - IP65



GR17244
Enclosure - Grey Lid
380 x 300 x 120

ENCLOSURES - GREY LID - IP65



GR17246
Enclosure - Grey Lid
380 x 300 x 180

ENCLOSURES - GREY LID - IP65



GR17250
Enclosure - Grey Lid
460 x 380 x 180

ENCLOSURES - TRANSPARENT LID - IP65



GR17209
Enclosure - Transparent Lid
150 x 110 x 140

ENCLOSURES - TRANSPARENT LID - IP65



GR17210
Enclosure - Transparent Lid
150 x 140 x 75

ENCLOSURES - TRANSPARENT LID - IP65



GR17211
Enclosure - Transparent Lid
190 x 140 x 75

ENCLOSURES - TRANSPARENT LID - IP65



GR17212
Enclosure - Transparent Lid
170 x 170 x 75

ENCLOSURES - TRANSPARENT LID - IP65



GR17215
Enclosure - Transparent Lid
190 x 140 x 140

ENCLOSURES - TRANSPARENT LID - IP65



GR17220
Enclosure - Transparent Lid
240 x 190 x 100

ENCLOSURES - TRANSPARENT LID - IP65



GR17221
Enclosure - Transparent Lid
240 x 190 x 160

ENCLOSURES - TRANSPARENT LID - IP65



GR17282
Enclosure - Transparent Lid
240 x 190 x 120

ENCLOSURES - TRANSPARENT LID - IP65



GR17284
Enclosure - Transparent Lid
310 x 240 x 120

ENCLOSURES - TRANSPARENT LID - IP65



GR17286
Enclosure - Transparent Lid
380 x 300 x 120

ENCLOSURES - TRANSPARENT LID - IP65



GR17288
Enclosure - Transparent Lid
380 x 300 x 180

ENCLOSURES - GREY LID - IP65



GR40010
Enclosure - Grey Lid
200 x 300 x 130

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40020
Enclosure - Grey Lid
250 x 350 x 150

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40030
Enclosure - Grey Lid
300 x 400 x 170

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40040
Enclosure - Grey Lid
300 x 400 x 220

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40050
Enclosure - Grey Lid
350 x 500 x 190

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40060
Enclosure - Grey Lid
400 x 500 x 240

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40070
Enclosure - Grey Lid
400 x 600 x 200

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40080
Enclosure - Grey Lid
500 x 700 x 250

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - GREY LID - IP65



GR40090
Enclosure - Grey Lid
600 x 800 x 260

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40110
Enclosure - Transparent Lid
200 x 300 x 130

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40120
Enclosure - Transparent Lid
250 x 350 x 150

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40130
Enclosure - Transparent Lid
300 x 400 x 170

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40140
Enclosure - Transparent Lid
300 x 400 x 220

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40150
Enclosure - Transparent Lid
350 x 500 x 190

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40160
Enclosure - Transparent Lid
400 x 500 x 240

Chassis Plate Sold Separately on Pg.70

ENCLOSURES - TRANSPARENT LID - IP65



GR40170
Enclosure - Transparent Lid
400 x 600 x 200

Chassis Plate Sold Separately Below

ENCLOSURES - TRANSPARENT LID - IP65



GR40180
Enclosure - Transparent Lid
500 x 700 x 250

Chassis Plate Sold Separately Below

ENCLOSURES - TRANSPARENT LID - IP65



GR40190
Enclosure - Transparent Lid
600 x 800 x 260

Chassis Plate Sold Separately Below

CHASSIS PLATE



GR40310
Chassis Plate (Bottom Plate)
200 x 300
For GR40010 & GR40110

CHASSIS PLATE



GR40320
Chassis Plate (Bottom Plate)
250 x 350
For GR40020 & GR40120

CHASSIS PLATE



GR40330
Chassis Plate (Bottom Plate)
300 x 400
For GR40030 & GR40130

CHASSIS PLATE



GR40340
Chassis Plate (Bottom Plate)
300 x 400
For GR40040 & GR40140

CHASSIS PLATE



GR40350
Chassis Plate (Bottom Plate)
350 x 500
For GR40050 & GR40150

CHASSIS PLATE



GR40360
Chassis Plate (Bottom Plate)
400 x 500
For GR40060 & GR40160

CHASSIS PLATE



GR40370
Chassis Plate (Bottom Plate)
400 x 600
For GR40070 & GR40170

CHASSIS PLAT



GR40380
Chassis Plate (Bottom Plate)
500 x 700
For GR40080 & GR40180

CHASSIS PLATE



GR40390
Chassis Plate (Bottom Plate)
600 x 800
For GR40090 & GR40190



GR40130 ENCLOSURE + **GR40330 CHASSIS PLATE** = **COMPLETE ENCLOSURE**

• Superb Italian design and quality • Conforms to EN60670-24:2005
• Glow wire test: 650° EN 60335-1:94 + IEC695-2-1 • Min / Max Temperature: - 5°C and + 60°C
• Shock resistance: IK07 • Halogen Free product • DIN Rail

DISTRIBUTION BOARD - IP65- SMOKY DOOR



GR15060
112(W) x 154(L) x 75(D) IP65
4-5 Module 4/5 Way

Earth and Neutral Bars sold separately

DISTRIBUTION BOARD - IP65- SMOKY DOOR



GR15062
170(W) x 170(L) x 75(D) IP65
6-8 Module 6/8 Way

Earth and Neutral Bars sold separately

DISTRIBUTION BOARD - IP65- SMOKY DOOR



GR15064
240(W) x 202(L) x 75(D) IP65
12 Module 1 x 12 Way

Earth and Neutral Bars sold separately

DISTRIBUTION BOARD - IP65- SMOKY DOOR



GR15066
240(W) x 331(L) x 80(D) IP65
24 Module 2 x 12 Way

Earth and Neutral Bars sold separately

DIN RAIL MOUNTING KIT



GR40220
18 Way Module
(9 x 2 Way)
For GR40020 & GR40120

DIN RAIL MOUNTING KIT



GR40230
24 Way Module
(12 x 2 Way)
For GR40030 & GR40130

DIN RAIL MOUNTING KIT



GR40250
45 Way Module
(15 x 3 Way)
For GR40050 & GR40150

DIN RAIL MOUNTING KIT



GR40270
60 Way Module
(15 x 4 Way)
For GR40070 & GR40170



IP55 Junction Boxes - Stepped Glands - No Terminals

NEW!

Product Image	Part Number	Description	Shape	Colour	Size
	**SC50-BK**	Junction Box	Round	Black	ø 50 x 50
	SC80-BK	Junction Box	Round	Black	ø 80 x 80
	SC885-BK	Junction Box	Square	Black	80 x 80 x 50
	SC117-BK	Junction Box	Square	Black	100 x 100 x 70

Product Image	Part Number	Description	Shape	Colour	Size
	**SC50**	Junction Box	Round	White	ø 50 x 50
	SC80	Junction Box	Round	White	ø 80 x 80
	SC885	Junction Box	Square	White	80 x 80 x 50
	SC117	Junction Box	Square	White	100 x 100 x 70
	SC15117	Junction Box	Rectangular	White	150 x 110 x 70
	SC15157	Junction Box	Square	White	150 x 150 x 70
	SC20158	Junction Box	Rectangular	White	200 x 155 x 80
	SC20107	Junction Box	Square	White	200 x 100 x 70
	SC20208	Junction Box	Square	White	200 x 200 x 80
	SC25208	Junction Box	Rectangular	White	250 x 200 x 80
	SC30251	Junction Box	Rectangular	White	300 x 250 x 120
	SC40351	Junction Box	Rectangular	White	400 x 350 x 120



IP66 Plastic Enclosure With Grey Lid

Product Image	Part Number	Description	Colour	Size
	**MCE-808070**	PVC Enclosure	Standard Grey	80 x 80 x 70
	MCE-101075	PVC Enclosure	Standard Grey	100 x 100 x 75

IP66 Plastic Enclosure With Grey Lid

Product Image	Part Number	Description	Colour	Size
	**MCE-138070**	Plastic Enclosure	Standard Grey	130 x 80 x 70
	MCE-168095	Plastic Enclosure	Standard Grey	160 x 80 x 95
	MCE-121275	Plastic Enclosure	Standard Grey	125 x 125 x 75
	MCE-121210	Plastic Enclosure	Standard Grey	125 x 125 x 100
	MCE-201510	Plastic Enclosure	Standard Grey	200 x 150 x 100
	MCE-201513	Plastic Enclosure	Standard Grey	200 x 150 x 130
	MCE-202095	Plastic Enclosure	Standard Grey	200 x 200 x 95
	MCE-202010	Plastic Enclosure	Standard Grey	200 x 200 x 100
	MCE-202013	Plastic Enclosure	Standard Grey	200 x 200 x 130

Product Image	Part Number	Description	Colour	Size
	**MCE-281913**	Plastic Enclosure	Standard Grey	280 x 190 x 130
	MCE-281918	Plastic Enclosure	Standard Grey	280 x 190 x 180
	MCE-282813	Plastic Enclosure	Standard Grey	280 x 280 x 130
	MCE-282818	Plastic Enclosure	Standard Grey	280 x 280 x 180
	MCE-342813	Plastic Enclosure	Standard Grey	340 x 280 x 130
	MCE-342818	Plastic Enclosure	Standard Grey	340 x 280 x 180
	MCE-382813	Plastic Enclosure	Standard Grey	380 x 280 x 130
	MCE-382818	Plastic Enclosure	Standard Grey	380 x 280 x 180

IP66 Plastic Enclosure With Transparent Lid

NEW!

Product Image	Part Number	Description	Colour	Size
	**MCE-101075-T**	Plastic Enclosure	Standard Grey	100 x 100 x 75
	MCE-121210-T	Plastic Enclosure	Standard Grey	125 x 125 x 100
	MCE-201510-T	Plastic Enclosure	Standard Grey	200 x 150 x 100
	MCE-201513-T	Plastic Enclosure	Standard Grey	200 x 150 x 130
	MCE-281913-T	Plastic Enclosure	Standard Grey	280 x 190 x 130
	MCE-281918-T	Plastic Enclosure	Standard Grey	280 x 190 x 180

Chassis Plates

Product Image	Part Number	Description	Size
	**CP-003**	Galvanised Chassis Plate	190 x 140
	CP-005	Galvanised Chassis Plate	240 x 190



STEEL ENCLOSURES

- Powder coated, UV resistant mild steel enclosures.
- 1,6mm Steel thickness. • Available in Orange or Grey.
- Complete with accessories. Inner door kits to be ordered separately.

IP65 Mild Steel Enclosure - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**MCE-101**	Mild Steel Enclosure	Orange / Grey	250 x 200 x 150
	MCE-102	Mild Steel Enclosure	Orange / Grey	300 x 250 x 150
	MCE-103	Mild Steel Enclosure	Orange / Grey	300 x 250 x 200
	MCE-104	Mild Steel Enclosure	Orange / Grey	300 x 300 x 150
	MCE-105	Mild Steel Enclosure	Orange / Grey	300 x 300 x 200
	MCE-107	Mild Steel Enclosure	Orange / Grey	400 x 300 x 200
	MCE-108	Mild Steel Enclosure	Orange / Grey	400 x 400 x 200
	MCE-111	Mild Steel Enclosure	Orange / Grey	500 x 400 x 250
	MCE-114	Mild Steel Enclosure	Orange / Grey	600 x 400 x 250
	MCE-117	Mild Steel Enclosure	Orange / Grey	600 x 500 x 250
	MCE-119	Mild Steel Enclosure	Orange / Grey	700 x 500 x 250
	MCE-122	Mild Steel Enclosure	Orange / Grey	800 x 600 x 250
	MCE-123	Mild Steel Enclosure	Orange / Grey	800 x 600 x 350
	MCE-124	Mild Steel Enclosure	Orange / Grey	1000 x 600 x 250
	MCE-125	Mild Steel Enclosure	Orange / Grey	1000 x 600 x 300
	MCE-126	Mild Steel Enclosure	Orange / Grey	1000 x 800 x 250
	MCE-127	Mild Steel Enclosure	Orange / Grey	1000 x 800 x 300
	MCE-128	Mild Steel Enclosure	Orange / Grey	1000 x 800 x 350
	MCE-129	Mild Steel Enclosure	Orange / Grey	1200 x 800 x 350
	Complete with chassis plate and wall brackets			

IP65 Mild Steel Enclosure - Surface Mounting - (For Onesto 3 Pole KCM1 MCCB's)

Product Image	Part Number	Description	Colours	Dimensions
	**KCM1-100-ENC**	Mild Steel Enclosure	Orange	300 x 250 x 150
	KCM1-200-ENC	Mild Steel Enclosure	Orange	400 x 250 x 150
	KCM1-400-ENC	Mild Steel Enclosure	Orange	600 x 400 x 200
	KCM1-630-ENC	Mild Steel Enclosure	Orange	700 x 500 x 200
	Complete with chassis plate and wall brackets			
	Refer to page191 for MCCB's			

Spare Chassis Plates - Galvanised Steel

Product Image	Part Number	Description	Compatibility
	**MCE-103-CP**	Spare Chassis Plate	Fits MCE-102 & 103
	MCE-105-CP	Spare Chassis Plate	Fits MCE-104 & 105
	MCE-107-CP	Spare Chassis Plate	Fits MCE-107
	MCE-108-CP	Spare Chassis Plate	Fits MCE-108
	MCE-111-CP	Spare Chassis Plate	Fits MCE-111
	MCE-114-CP	Spare Chassis Plate	Fits MCE-114
	MCE-117-CP	Spare Chassis Plate	Fits MCE-117
	MCE-119-CP	Spare Chassis Plate	Fits MCE-119
	MCE-122-CP	Spare Chassis Plate	Fits MCE-122 & 123
	MCE-124-CP	Spare Chassis Plate	Fits MCE-124 & 125
	MCE-126-CP	Spare Chassis Plate	Fits MCE-126,127 & 128
	MCE-129-CP	Spare Chassis Plate	Fits MCE-129

- Powder coated, UV resistant mild steel enclosures.
- 1,6mm Steel thickness. • Available in Orange or Grey.
- Complete with accessories. Inner door kits to be ordered separately.

Spare Outer Door - Orange

Product Image	Part Number	Description	Compatibility
	**MCE-103-O-D**	Spare Outer Door	Fits MCE-102 & 103
	MCE-105-O-D	Spare Outer Door	Fits MCE-104 & 105
	MCE-107-O-D	Spare Outer Door	Fits MCE-107
	MCE-108-O-D	Spare Outer Door	Fits MCE-108
	MCE-111-O-D	Spare Outer Door	Fits MCE-111
	MCE-114-O-D	Spare Outer Door	Fits MCE-114
	MCE-117-O-D	Spare Outer Door	Fits MCE-117
	MCE-119-O-D	Spare Outer Door	Fits MCE-119
	MCE-122-O-D	Spare Outer Door	Fits MCE-122 & 123
	MCE-124-O-D	Spare Outer Door	Fits MCE-124 & 125
	MCE-126-O-D	Spare Outer Door	Fits MCE-126,127 & 128
	MCE-129-O-D	Spare Outer Door	Fits MCE-129

Slotted Inner Doors - Orange With Mounting Plates & Fittings For Din Rail MCB's

Product Image	Part Number	Description	Dimensions
	**MCE-103-ID**	Inner Door	300 x 250 8 Way
	MCE-105-ID	Inner Door	300 x 300 8 Way
	MCE-107-ID	Inner Door	400 x 300 20 Way (2 x 10)
	MCE-108-ID	Inner Door	400 x 400 20 Way (2 x 10)
	MCE-111-ID	Inner Door	500 x 400 48 Way (3 x 16)
	MCE-114-ID	Inner Door	600 x 400 48 Way (3 x 16)
	MCE-117-ID	Inner Door	600 x 500 48 Way (3 x 16)
	MCE-119-ID	Inner Door	700 x 500 84 Way (4 x 21)
	MCE-122-ID	Inner Door	800 x 600 130 Way (5 x 26)
	MCE-124-ID	Inner Door	1000 x 600 156 Way (6 x 26)
	MCE-126-ID	Inner Door	1000 x 800 228 Way (6 x 38)
Earth and Neutral Bar not supplied	**MCE-129-ID**	Inner Door	1200 x 800 304 Way (8 x 38)

Solid Inner Doors - Orange With Mounting Plates & Fittings

Product Image	Part Number	Description	Dimensions
	**MCE-103-SID**	Solid Inner Door	300 x 250
	MCE-105-SID	Solid Inner Door	300 x 300
	MCE-107-SID	Solid Inner Door	400 x 300
	MCE-108-SID	Solid Inner Door	400 x 400
	MCE-111-SID	Solid Inner Door	500 x 400
	MCE-114-SID	Solid Inner Door	600 x 400
	MCE-117-SID	Solid Inner Door	600 x 500
	MCE-119-SID	Solid Inner Door	700 x 500
	MCE-122-SID	Solid Inner Door	800 x 600
	MCE-124-SID	Solid Inner Door	1000 x 600
	MCE-126-SID	Solid Inner Door	1000 x 800
Earth and Neutral Bar not supplied	**MCE-129-SID**	Solid Inner Door	1200 x 800

Keys & Locks

NEW!



UNI PK-4



MCE-PL-SS

KEYS & LOCKS	
MCE-PK	Spare Panel Key for enclosure
MCE-PL	Spare Panel Lock for enclosure (Plastic)
MCE-PL-SS	Spare Panel Lock for enclosure (Stainless Steel)
UNI PK-4	4 way Universal Panel Key (Steel)

- Powder coated, UV resistant mild steel kits.
- 1,6mm Steel thickness.

IP55 Mild Steel Enclosure - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
 Earth and Neutral Bar On Each Row	**09201**	1 Row 16 Way	White	306(H) x 446(W) x 101(D)
	09202	2 Row 32 Way	White	456(H) x 446(W) x 101(D)
	09203	3 Row 48 Way	White	606(H) x 446(W) x 101(D)
	09204	4 Row 64 Way	White	756(H) x 446(W) x 101(D)
	09205	5 Row 80 Way	White	906(H) x 446(W) x 101(D)
	09206	6 Row 96 Way	White	1056(H) x 446(W) x 101(D)

IP55 Mild Steel Enclosure - Flush Mounting

Product Image	Part Number	Description	Colours	Dimensions
 Earth and Neutral Bar On Each Row	**09191**	1 Row 16 Way	White	325(H) x 465(W) x 101(D)
	09192	2 Row 32 Way	White	475(H) x 465(W) x 101(D)
	09193	3 Row 48 Way	White	625(H) x 465(W) x 101(D)
	09194	4 Row 64 Way	White	775(H) x 465(W) x 101(D)
	09195	5 Row 80 Way	White	925(H) x 465(W) x 101(D)
	09196	6 Row 96 Way	White	1075(H) x 465(W) x 101(D)

IP65 Mild Steel Enclosure - Surface Mounting - Double Door Distribution Board

Product Image	Part Number	Description	Colours	Dimensions
 Earth and Neutral Bar On Each Row; Busbar Not Supplied. Suitable For Onesto 3 Pole KCM1 MCCB's On Page 191.	**092-200-***	4 x 12 Way	White	1015(H) x 670(W) x 205(D)
	092-400-*	4 x 18 Way	Or	1015(H) x 880(W) x 205(D)
	092-630-*	4 x 24 Way	Orange	1020(H) x 1100(W) x 205(D)
	*Please Specify The Color			

- 304 Stainless steel enclosures
- 1,6mm Steel thickness
- Complete with accessories and protective wrapping to prevent scratches

IP65 Stainless Steel Enclosure - Surface Mounting



All enclosures come with a protective wrapping to prevent scratches.



MCE-129-SS

Product Image	Part Number	Description	Grade	Dimensions
	MCE-101-SS	Stainless Steel Enclosure	304	250 x 200 x 150
	MCE-102-SS	Stainless Steel Enclosure	304	300 x 250 x 150
	MCE-103-SS	Stainless Steel Enclosure	304	300 x 250 x 200
	MCE-104-SS	Stainless Steel Enclosure	304	300 x 300 x 150
	MCE-105-SS	Stainless Steel Enclosure	304	300 x 300 x 200
	MCE-107-SS	Stainless Steel Enclosure	304	400 x 300 x 200
	MCE-108-SS	Stainless Steel Enclosure	304	400 x 400 x 200
	MCE-111-SS	Stainless Steel Enclosure	304	500 x 400 x 250
	MCE-114-SS	Stainless Steel Enclosure	304	600 x 400 x 250
	MCE-117-SS	Stainless Steel Enclosure	304	600 x 500 x 250
	MCE-119-SS	Stainless Steel Enclosure	304	700 x 500 x 250
	MCE-122-SS	Stainless Steel Enclosure	304	800 x 600 x 250
	MCE-123-SS	Stainless Steel Enclosure	304	800 x 600 x 350
	MCE-124-SS	Stainless Steel Enclosure	304	1000 x 600 x 250
	MCE-125-SS	Stainless Steel Enclosure	304	1000 x 600 x 300
	MCE-126-SS	Stainless Steel Enclosure	304	1000 x 800 x 250
	MCE-127-SS	Stainless Steel Enclosure	304	1000 x 800 x 300
	MCE-128-SS	Stainless Steel Enclosure	304	1000 x 800 x 350
	MCE-129-SS	Stainless Steel Enclosure	304	1200 x 800 x 350
	Complete with chassis plate and Panel Key			

- Powder coated, UV resistant.
- 1,6mm Steel thickness.

IP55 Mild Steel Enclosure - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**OL252015-O**	Mild Steel Enclosure	Orange	250 x 200 x 150
	OL252015-G	Mild Steel Enclosure	Grey	250 x 200 x 150
	OL302015-O	Mild Steel Enclosure	Orange	300 x 250 x 150
	OL302015-G	Mild Steel Enclosure	Grey	300 x 250 x 150
	OL302520-O	Mild Steel Enclosure	Orange	300 x 250 x 200
	OL302520-G	Mild Steel Enclosure	Grey	300 x 250 x 200
	OL403020-O	Mild Steel Enclosure	Orange	400 x 300 x 200
	OL403020-G	Mild Steel Enclosure	Grey	400 x 300 x 200
	OL504025-O	Mild Steel Enclosure	Orange	500 x 400 x 250
	OL504025-G	Mild Steel Enclosure	Grey	500 x 400 x 250
	**OL604025-O**	Mild Steel Enclosure	Orange	600 x 400 x 250
	OL604025-G	Mild Steel Enclosure	Grey	600 x 400 x 250
	OL604030-O	Mild Steel Enclosure	Orange	600 x 400 x 300
	OL604030-G	Mild Steel Enclosure	Grey	600 x 400 x 300
	OL605025-O	Mild Steel Enclosure	Orange	600 x 500 x 250
	OL605025-G	Mild Steel Enclosure	Grey	600 x 500 x 250
	OL705025-O	Mild Steel Enclosure	Orange	700 x 500 x 250
	OL705025-G	Mild Steel Enclosure	Grey	700 x 500 x 250
	OL806025-O	Mild Steel Enclosure	Orange	800 x 600 x 250
	OL806025-G	Mild Steel Enclosure	Grey	800 x 600 x 250
	**OL806030-O**	Mild Steel Enclosure	Orange	800 x 600 x 300
	OL806030-G	Mild Steel Enclosure	Grey	800 x 600 x 300
	OL806035-O	Mild Steel Enclosure	Orange	800 x 600 x 350
	OL806035-G	Mild Steel Enclosure	Grey	800 x 600 x 350
	OL108030-O	Mild Steel Enclosure	Orange	1000 x 800 x 300
	OL108030-G	Mild Steel Enclosure	Grey	1000 x 800 x 300
	OL108035-O	Mild Steel Enclosure	Orange	1000 x 800 x 350
	OL108035-G	Mild Steel Enclosure	Grey	1000 x 800 x 350
	OL128030-O	Mild Steel Enclosure	Orange	1200 x 800 x 300
	OL128030-G	Mild Steel Enclosure	Grey	1200 x 800 x 300
	OL128035-O	Mild Steel Enclosure	Orange	1200 x 800 x 350
	OL128035-G	Mild Steel Enclosure	Grey	1200 x 800 x 350
	OL128040-O	Mild Steel Enclosure	Orange	1200 x 800 x 400
	OL128040-G	Mild Steel Enclosure	Grey	1200 x 800 x 400



- Powder coated, UV resistant.
- 1,6mm Steel thickness.

IP55 Double Door Steel Enclosures - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**OLD608025-O**	Double Door Enclosure	Orange	600 x 800 x 250
	OLD601030-O	Double Door Enclosure	Orange	600 x 1000 x 300
	OLD601230-O	Double Door Enclosure	Orange	600 x 1200 x 300
	OLD801230-O	Double Door Enclosure	Orange	800 x 1200 x 300
	OLD121030-O	Double Door Enclosure	Orange	1200 x1000 x 300

IP55 Steel Enclosures With Plexi Glass Door - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**OLP403020-O**		Orange	400 x 300 x 200
	OLP504025-O		Orange	500 x 400 x 250
	OLP604025-O	Steel Enclosure	Orange	600 x 400 x 250
	OLP705025-O	With	Orange	700 x 500 x 250
	OLP806025-O	Plexi Glass Door	Orange	800 x 600 x 250
	OLP108030-O		Orange	1000 x 800 x 300
	OLP128030-O		Orange	1200 x 800 x 300

IP55 Steel Enclosures With Plexi Glass Door & Solid Inner Door - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**OLPI403020-O**		Orange	400 x 300 x 200
	OLPI504025-O		Orange	500 x 400 x 250
	OLPI604025-O	Steel Enclosure	Orange	600 x 400 x 250
	OLPI705025-O	With Plexi Glass Door	Orange	700 x 500 x 250
	OLPI806025-O	& Solid Inner Door	Orange	800 x 600 x 250
	OLPI108030-O		Orange	1000 x 800 x 300
	OLPI128030-O		Orange	1200 x 800 x 300

SIRENA ESTROBO SOTERIA

AUDIBLE & VISUAL DEVICES



BUZZERS



TBY-30

Panel Mount Buzzer:	30mm ø Mounting
Voltages Available:	24VAC, 110VAC & 230VAC
dB Rating @ 30cm:	85dB
IP Rating:	IP44

*Please specify Voltage

Time Period must not exceed 5 minutes per operation

SIRENS PLEASE NOTE: Motor sirens are not continuously rated and should be used with a timer.



S-*-100-80

Mini Siren:	Surface Mounting
Voltage:	24VDC, 24VAC, 110VAC & 230VAC
dB Rating @ 1m:	80dB
Audible Rating:	100 metres
IP Rating:	IP44

*Please specify Voltage



S-*-100-90

Mini Siren:	Surface Mounting
Voltage:	24VDC, 24VAC, 110VAC & 230VAC
dB Rating @ 1m:	90dB
Audible Rating:	100 metres
IP Rating:	IP44

*Please specify Voltage



S-250-*

Mini Motor Siren:	Surface Mounting
Voltage:	24VAC (71W), 110VAC (67W) & 230VAC (73W)
dB Rating @ 1m:	100dB
Audible Rating:	250 metres
IP Rating:	IP44

*Please specify Voltage

Max Continuous Running time 10min. Off Time 10min



S-500-*

Motor Driven Siren:	Surface Mounting
Voltage:	24VAC (53W), 110VAC (81W) & 230VAC (86W)
dB Rating @ 1m:	115dB
Audible Rating:	500 metres
IP Rating:	IP44

*Please specify Voltage

Max Continuous Running time 10min. Off Time 10min



S-750-*

Motor Driven Siren:	Surface Mounting
Voltage:	24VAC (75W), 110VAC & 230VAC (153W)
dB Rating @ 1m:	120dB
Audible Rating:	750 metres
IP Rating:	IP44

*Please specify Voltage

Max Continuous Running time 10min. Off Time 10min



S-1000-*

Motor Driven. Double Siren:	Surface Mounting
Voltage:	110VAC (237W) & 230VAC (240W)
dB Rating @ 1m:	125dB
Audible Rating:	1000 metres
IP Rating:	IP44

*Please specify Voltage

Max Continuous Running time 5min. Off Time 5min



S-1500-M

Motor Driven. Double Siren:	Surface Mounting
Voltage:	230VAC (347W)
dB Rating @ 1m:	130dB
Audible Rating:	1500 metres
IP Rating:	IP44

Max Continuous Running time 5min. Off Time 5min



S-2000-M

Motor Driven. Double Siren:	Surface Mounting
Voltage:	230VAC (449W)
dB Rating @ 1m:	135dB
Audible Rating:	2000 metres
IP Rating:	IP44

Max Continuous Running time 5min. Off Time 5min



S-3000-M

Motor Driven. Double Siren:	Surface Mounting
Voltage:	230VAC (1237W)
dB Rating @ 1m:	140dB
Audible Rating:	3000 metres
IP Rating:	IP44

Max Continuous Running time 5min. Off Time 5min

MCE ELECTRIC

ESTROBO LED STROBE LIGHTS & SOTERIA VISUAL SIGNALLING TOWERS
• Ø 90MM • STACKABLE
• STEADY OR FLASHING

ESTROBO LED STROBE LIGHTS



*Please specify colour and voltage.

STR-*-LED-*

Colours: Red, Green, Blue and Yellow
Dimensions: 75mm ø 80mm Height
Voltages Available: 12VAC/VDC, 24VAC/VDC, 110VAC & 230VAC

led | Red R | Green G | Blue B | Yellow Y

SOTERIA STEADY LIGHT MODULES - COMPLETE WITH LED



TMOD-S-*-M Steady light module 230V
Available in Red, Green, Amber, Blue and White. *Please specify colour.
Choose module and order base separately. Toggle to select Flash or Steady

led | Red R | Green G | Blue B | Amber A | White W

SOTERIA FLASHING LIGHT MODULES - COMPLETE WITH LED



TMOD-F-*-M Flashing light module 230V
Available in Red, Green, Amber, Blue and White. *Please specify colour.
Choose module and order base separately. Toggle to select Flash or Steady

led | Red R | Green G | Blue B | Amber A | White W

SOTERIA BUZZER MODULE



TMOD-BUZ-M
100 Decibel Buzzer 230V

SOTERIA MOUNTING BASE SUB ASSEMBLY



TMOD-PC
Consists of Base, Pedestal and Cap



Signal Towers Selection Chart

Cap, Base and Pedestal are a Sub-Assembly.

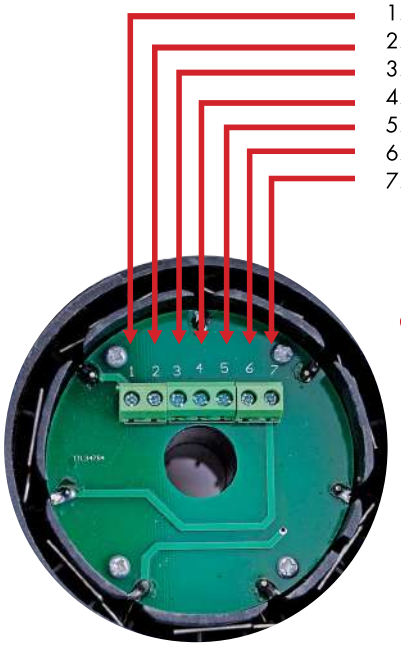
Select any combination of 5 Colours and one buzzer up to a Maximum of 6.

Blue, White, Amber, Green and red modules are all selectable to be Flashing or Steady via DIP switch.
DIP switch is located on the inside of the colour modules

Modules are stackable and easy to fit. A simple procedure of lining up the locating marks and twisting to lock.

Supply Voltage: 230VAC only

WIRING OF SIGNAL TOWERS



1. Live to bottom light i.e. Red
2. Live to 2nd light i.e. Green
3. Live to 3rd light i.e. Amber
4. Live to 4th light i.e. White
5. Live to 5th light i.e. Blue
6. Live to last unit i.e. Buzzer
7. Neutral

*IP55 RATED ONCE INSTALLED

MCE®
ELECTRIC



PROXIMITY SWITCHES

OPERATING VOLTAGE: 10 to 30VDC | MAXIMUM SWITCHING CAPACITY: 200mA

Proximity Sensor - Extended Head Inductive (Metal) Cylindrical Type

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MJY08-01LA**	8mm	1mm	DC. 2 Wire	NO	Flush
	MJY08-02LA	8mm	2mm	DC. 2 Wire	NO	Extended
	MJY08-01NA	8mm	1mm	NPN	NO	Flush
	MJY08-01PA	8mm	1mm	PNP	NO	Flush
	MJY08-02NA	8mm	2mm	NPN	NO	Extended
	MJY08-02PA	8mm	2mm	PNP	NO	Extended
	MJY08-01LB	8mm	1mm	DC. 2 Wire	NC	Flush
	MJY08-02LB	8mm	2mm	DC. 2 Wire	NC	Extended
	MJY08-01NB	8mm	1mm	NPN	NC	Flush
	MJY08-01PB	8mm	1mm	PNP	NC	Flush
	MJY08-02NB	8mm	2mm	NPN	NC	Extended
	MJY08-02PB	8mm	2mm	PNP	NC	Extended

Proximity Sensor - Extended Head Inductive (Metal) Cylindrical Type

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MJY12-04LA**	12mm	4mm	DC. 2 Wire	NO	Extended
	MJY12-04LB	12mm	4mm	DC. 2 Wire	NC	Extended
	MJY12-04NA	12mm	4mm	NPN	NO	Extended
	MJY12-04PA	12mm	4mm	PNP	NO	Extended
	MJY12-04NB	12mm	4mm	NPN	NC	Extended
	MJY12-04PB	12mm	4mm	PNP	NC	Extended

Proximity Sensor - Flush Head Inductive (Metal) Cylindrical Type

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MJY18-05LA**	18mm	5mm	DC. 2 Wire	NO	Flush
	MJY18-08LA	18mm	8mm	DC. 2 Wire	NO	Extended
	MJY18-05NA	18mm	5mm	NPN	NO	Flush
	MJY18-05PA	18mm	5mm	PNP	NO	Flush
	MJY18-08NA	18mm	8mm	NPN	NO	Extended
	MJY18-08PA	18mm	8mm	PNP	NO	Extended
	MJY18-05LB	18mm	5mm	DC. 2 Wire	NC	Flush
	MJY18-08LB	18mm	8mm	DC. 2 Wire	NC	Extended
	MJY18-05NB	18mm	5mm	NPN	NC	Flush
	MJY18-08NB	18mm	8mm	NPN	NC	Extended
	MJY18-05PB	18mm	5mm	PNP	NC	Flush
	MJY18-08PB	18mm	8mm	PNP	NC	Extended
	MJY18S-10NA	18mm	10mm	NPN	NO	Flush
	MJY18S-10PA	18mm	15mm	PNP	NO	Flush
	MJY18S-15NA	18mm	10mm	NPN	NO	Extended
	MJY18S-15PA	18mm	15mm	PNP	NO	Extended
	MJY18S-10NB	18mm	10mm	NPN	NC	Flush
	MJY18S-15NB	18mm	15mm	NPN	NC	Extended
	MJY18S-10PB	18mm	10mm	PNP	NC	Flush
	MJY18S-15PB	18mm	15mm	PNP	NC	Extended

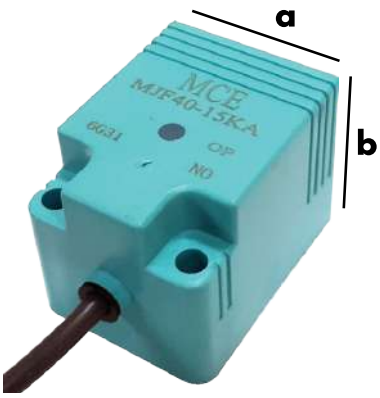
OPERATING VOLTAGE: 10 to 30VDC | MAXIMUM SWITCHING CAPACITY: 200mA

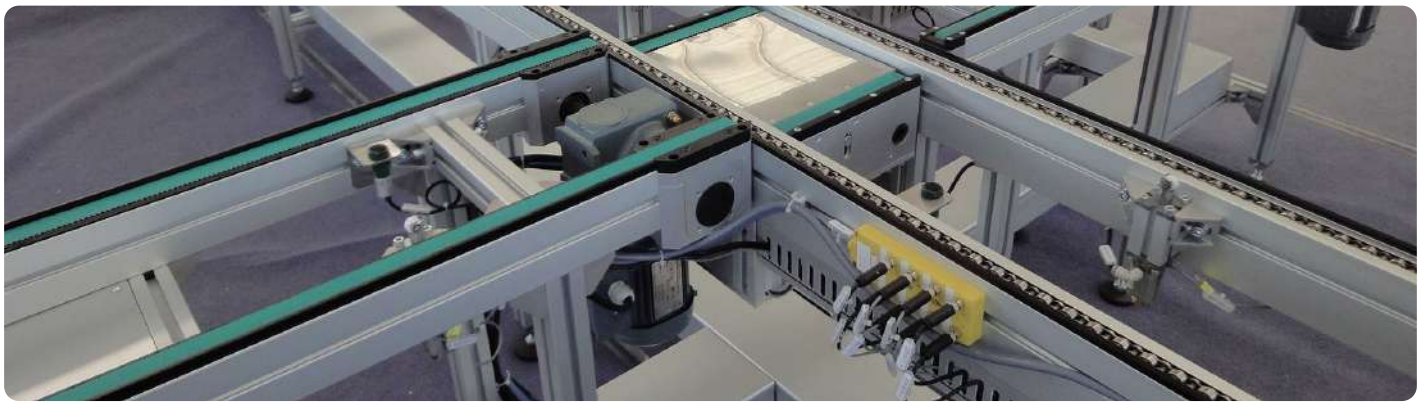
Proximity Sensor - Flush Head Inductive (Metal) Cylindrical Type

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MJY30S-10NA**	30mm	10mm	NPN	NO	Flush
	MJY30S-10PA	30mm	15mm	PNP	NO	Flush
	MJY30S-15NA	30mm	10mm	NPN	NO	Extended
	MJY30S-15PA	30mm	15mm	PNP	NO	Extended
	MJY30S-10NB	30mm	10mm	NPN	NC	Flush
	MJY30S-15NB	30mm	15mm	NPN	NC	Extended
	MJY30S-10PB	30mm	10mm	PNP	NC	Flush
	MJY30S-15PB	30mm	15mm	PNP	NC	Extended
	MJY30S-17NA	30mm	17mm	NPN	NO	Extended
	MJY30S-17PA	30mm	17mm	PNP	NO	Extended
	MJY30S-17NB	30mm	17mm	NPN	NC	Flush
	MJY30S-17PB	30mm	17mm	PNP	NC	Flush
	MJY30S-25NA	30mm	25mm	NPN	NO	Extended
	MJY30S-25PA	30mm	25mm	PNP	NO	Extended
	MJY30S-25NB	30mm	25mm	NPN	NC	Flush
	MJY30S-25PB	30mm	25mm	PNP	NC	Flush

OPERATING VOLTAGE: 24 to 250VAC | MAXIMUM SWITCHING CAPACITY: 200mA

Proximity Sensor - Inductive (Metal) Square Type

Product Image	Part Number	Size a x b	Sensing Distance	Connection	NO/NC
	**MJF25-08KA**	25 x 25mm	8mm	AC. 2 Wire	NO
	MJF25-08KB	25 x 25mm	8mm	AC. 2 Wire	NC
	MJF30-12KA	30 x 30mm	12mm	AC. 2 Wire	NO
	MJF30-12KB	30 x 30mm	12mm	AC. 2 Wire	NC
	MJF40-15KA	40 x 40mm	15mm	AC. 2 Wire	NO
	MJF40-15KB	40 x 40mm	15mm	AC. 2 Wire	NC



OPERATING VOLTAGE: 10 to 30VDC | MAXIMUM SWITCHING CAPACITY: 200mA

Proximity Sensor - Capacitive (Non-Metal) Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC
	**MRY12-02NA**	12mm	2mm	NPN	NO
	MRY12-04NA	12mm	4mm	NPN	NO
	MRY12-02NB	12mm	2mm	NPN	NC
	MRY12-04NB	12mm	4mm	NPN	NC
	MRY12-02PA	12mm	2mm	PNP	NO
	MRY12-04PA	12mm	4mm	PNP	NO
	MRY12-02PB	12mm	2mm	PNP	NC
	MRY12-04PB	12mm	4mm	PNP	NC

Proximity Sensor - Capacitive (Non-Metal) Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC
	**MRY18-05NA**	18mm	5mm	NPN	NO
	MRY18-08NA	18mm	8mm	NPN	NO
	MRY18-05NB	18mm	5mm	NPN	NC
	MRY18-08NB	18mm	8mm	NPN	NC
	MRY18-05PA	18mm	5mm	PNP	NO
	MRY18-08PA	18mm	8mm	PNP	NO
	MRY18-05PB	18mm	5mm	PNP	NC
	MRY18-08PB	18mm	8mm	PNP	NC

Proximity Sensor - Capacitive (Non-Metal) Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC
	**MRY30-10NA**	30mm	10mm	NPN	NO
	MRY30-15NA	30mm	15mm	NPN	NO
	MRY30-10NB	30mm	10mm	NPN	NC
	MRY30-15NB	30mm	15mm	NPN	NC
	MRY30-10PA	30mm	10mm	PNP	NO
	MRY30-15PA	30mm	15mm	PNP	NO
	MRY30-10PB	30mm	10mm	PNP	NC
	MRY30-15PB	30mm	15mm	PNP	NC

OPERATING VOLTAGE: 90 to 250VAC | MAXIMUM SWITCHING CAPACITY: 200mA

Proximity Sensor - Capacitive (Non-Metal) Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC
	**MRY18-05KA**	18mm	5mm	AC. 2 Wire	NO
	MRY18-05KB	18mm	5mm	AC. 2 Wire	NC
	MRY18-08KA	18mm	8mm	AC. 2 Wire	NO
	MRY18-08KB	18mm	8mm	AC. 2 Wire	NC
	MRY30-10KA	30mm	10mm	AC. 2 Wire	NO
	MRY30-10KB	30mm	10mm	AC. 2 Wire	NC
	MRY30-15KA	30mm	15mm	AC. 2 Wire	NO
	MRY30-15KB	30mm	15mm	AC. 2 Wire	NC

OPERATING VOLTAGE: 10 to 30VDC | MAXIMUM SWITCHING CAPACITY: 200mA

Proximity Sensor - Diffused Reflective & Adjustable Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MGY18-D30NA**	18mm	300mm	NPN	NO	Extended
	MGY18-D30NB	18mm	300mm	NPN	NC	Extended
	MGY18-D30PA	18mm	300mm	PNP	NO	Extended
	MGY18-D30PB	18mm	300mm	PNP	NC	Extended
	MGY30-D50NA	18mm	500mm	NPN	NO	Extended
	MGY30-D50NB	18mm	500mm	NPN	NC	Extended
	MGY30-D50PA	18mm	500mm	PNP	NO	Extended
	MGY30-D50PB	18mm	500mm	PNP	NC	Extended
	MGY30-D70NA	18mm	700mm	NPN	NO	Extended
	MGY30-D70NB	18mm	700mm	NPN	NC	Extended
	MGY30-D70PA	18mm	700mm	PNP	NO	Extended
	MGY30-D70PB	18mm	700mm	PNP	NC	Extended

Proximity Sensor - Retro Reflective Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MGY18-R2NA**	18mm	2 Meters	NPN	NO	Extended
	MGY18-R2NB	18mm	2 Meters	NPN	NC	Extended
	MGY18-R2PA	18mm	2 Meters	PNP	NO	Extended
	MGY18-R2PB	18mm	2 Meters	PNP	NC	Extended
	MGY30-R4NA	30mm	4 Meters	NPN	NO	Extended
	MGY30-R4NB	30mm	4 Meters	NPN	NC	Extended
	MGY30-R4PA	30mm	4 Meters	PNP	NO	Extended
	MGY30-R4PB	30mm	4 Meters	PNP	NC	Extended

OPERATING VOLTAGE: 10 to 30VDC | MAXIMUM SWITCHING CAPACITY: 200mA | TRANSMITTAL & RECIEVER

Proximity Sensor - Through Beam Cylindrical Type IP65

Product Image	Part Number	Diameter	Sensing Distance	Connection	NO/NC	Head
	**MGY18-T10NA**	18mm	10 Meters	NPN	NO	Extended
	MGY18-T10NB	18mm	10 Meters	NPN	NC	Extended
	MGY18-T10PA	18mm	10 Meters	PNP	NO	Extended
	MGY18-T10PB	18mm	10 Meters	PNP	NC	Extended



MICRO, LIMIT & FOOT SWITCHES



MCE ELECTRIC

MICRO SWITCHES
MINI MICRO SWITCHES

- 15A Rated
- Various types for all applications

MICRO SWITCHES



MJ2-1300
Pin Micro Switch



MJ2-1301
Lever Micro Switch



MJ2-1303
Roller Lever Micro Switch



MJ2-1305
Thin Plunger Micro Switch



MJ2-1306
Plunger Micro Switch



MJ2-1307
Ext. Plunger Micro Switch



MJ2-1308
In-line Roller Plunger Micro Switch



MJ2-1318
90° Roller Plunger Micro Switch



MJ2-1701
Long Arm Micro Switch



MJ2-1702
Short Arm Micro Switch



MJ2-1703
Long Arm Roller Micro Switch



MJ2-1704
Short Arm Roller Micro Switch

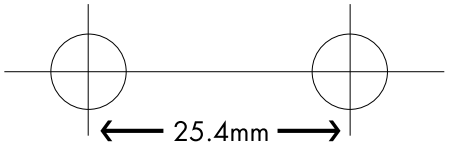


MJ2-1705
Whisker Micro Switch



MJ-CB1
Plastic Terminal Guard for Micro Switches

2 x 4.2 Diameter Mounting Holes



MOUNTING DIMENSIONS

MINI MICRO SWITCHES



V-15-1C25



V-151-1C25



V-152-1C25



V-153-1C25



V-154-1C25

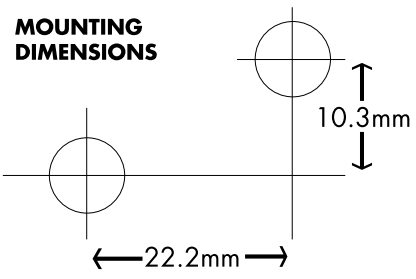


V-155-1C25



V-156-1C25

MOUNTING DIMENSIONS



- 1NO + 1NC contacts
- 10A @250VAC micro switches
- 15A @ 250VAC limit switches

MICRO SWITCHES - 10A @ 250VAC



ME-7100

Plunger Micro Switch



ME-7110

Extended Plunger Micro Switch



ME-7120

Long lever micro Switch



ME-7121

Long roller lever micro switch



ME-7124

Long Double roller lever micro switch



ME-7140

Short lever micro switch



ME-7141

Short roller lever micro switch



ME-7144

Short double Roller lever micro switch



ME-7166

Long Coil Spring micro switch



ME-7310

Plunger micro switch



ME-7311

Roller plunger micro switch



ME-7312

90°Roller plunger micro switch

SEALED LIMIT SWITCHES - ALUMINIUM CASTING - WATER & OIL RESISTANT - 15A @ 250VAC



ME-6001

Plunger limit switch



ME-6002

Roller Plunger limit switch



ME-6004

Roller lever Plunger limit switch



ME-6101

Short Plunger limit switch



ME-6102

Roller Plunger limit switch



ME-6104

Roller lever Plunger limit switch



ME-6106

Coil Spring Limit Switch



ME-6143

Roller lever Plunger Limit Switch

*Colours May Vary.

- 1 NO + 1NC contacts
- 10A @ 250VAC limit switches

*Colours May Vary.

28mm LIMIT SWITCHES - 10A @ 250VAC - IP65



ME8111
Plunger Limit switch



ME8112
Roller Plunger Limit switch



ME8122
90° Roller Plunger Limit switch



ME8108
Adjustable Roller Lever limit Switch



ME8104
Roller lever Limit switch



ME8107
Adjustable Rod Lever limit switch



ME8166
Plastic tipped coil limit switch



ME8167
Coil limit switch



ME8168
Steel tipped Coil limit switch



ME8169
Cats whisker limit switch

SAFETY KEY INTERLOCK LIMIT SWITCHES - 10A @ 250VAC - IP65



ME-93CPG
Safety key interlock limit switch 1NO + 1NC
*Excluding Key



ME-93BPG
Safety key interlock limit switch 2NC
*Excluding Key



ME-93-K1
Horizontal actuating key



ME-93-K2
Vertical actuating key



ME-93-K3
Adjustable actuating key

PLEASE NOTE:
ACTUATING KEY TO BE ORDERED SEPARATELY

- 1NO + 1NC contacts
- 10A @ 250VAC

*Colours May Vary.

40mm LIMIT SWITCHES - 10A @ 250VAC - IP66

MCE-D

Plunger Limit switch



MCE-D1

In-line Roller Plunger Limit switch



MCE-D2

90° In-line Roller Plunger Limit switch



MCE-D3

Bullet head Plunger Limit switch



Roller Plunger limit switch

MCE-CA2
90°

MCECA2/2
180°



Adjustable Roller lever Limit switch

MCE-CA12
90°

MCE-CA12/2
180°



MCE-CA32-41-43

Forked Roller lever limit Switch



MCE-CL

Adjustable Rod lever limit switch



MCE-NJ

Coil limit switch



MCE-NJ-30

Steel tipped coil switch



MCE-NJ-2

Plastic tipped coil limit switch



MCE-NJ-S2

Cats whisker coils limit switch



- 1NO + 1NC contacts
- 10A @ 250VAC

*Colours May Vary.
CABLE LENGTH 2m

PRE WIRED LIMIT SWITCHES - IP67



ME-3101
Plunger
Limit switch



ME-3102
In Line
Roller
Limit switch



ME-3103
90° Roller
Limit switch



ME-3104
Roller
Arm
Limit switch



ME-3108
Adjustable
Roller
Arm
Limit switch



ME-3110
Plunger with
Chamfer
Limit switch



ME-3111
Plunger with
rubber boot
Limit switch



ME-3112
In Line Roller
with rubber
boot
Limit switch



ME-3113
90° Roller
with Rubber
boot
Limit switch



ME-3167
Coil Spring with
Rubber boot
Limit switch



ME-3169
Cats whisker with
Rubber boot
Limit switch

FOOT SWITCHES



MCEFS-3

Light duty Steel Mini foot switch
15A @ 250VAC
- Contacts 1 C/O Contact



MCEFS-4

Heavy duty Steel Mini foot switch
- No Cover 15A @ 250VAC
- Contacts 1 C/O Contact



MCEFS-5

Heavy duty Steel Mini foot switch with foot Guard
15A @ 250VAC
- Contacts 1 C/O Contact



MCEFS-7

Heavy duty Steel Dual foot switch with foot Guard
15A @ 250VAC
- Contacts 1 C/O Contact

CURRENT TRANSFORMERS & PANEL METERS

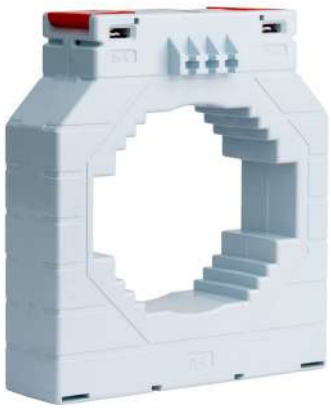


- Hinged terminal covers
- Can be mounted directly onto panel or DIN rail mounted
- Supplied with DIN Rail mounting bracket for horizontal or vertical mounting

Current Transformer - Primary Wound

Product Image	Part Number	Description	VA	Class
	**CP62/WS-5/5**	5/5A	1.5	3.0
	CP62/WS-10/5	10/5A	1.5	3.0
	CP62/WS-15/5	15/5A	1.5	1.0
	CP62/WS-20/5	20/5A	2.5	1.0
	CP62/WS-25/5	25/5A	2.5	1.0

Current Transformer - 14mm, 30mm, 40mm, 50mm, 60mm, 80mm & 100mm I.D Ring Type

Product Image	Part Number	Description	VA	Ring	Class
	CP45/14-30/5	30/5A	2.5	14mm	1.0
	CP45/14-40/5	40/5A	2.5	14mm	1.0
 **CP62/30-50/5**	**CP62/30-50/5**	50/5A	2.5	30mm	1.0
	CP62/30-60/5	60/5A	2.5	30mm	1.0
	CP62/30-75/5	75/5A	2.5	30mm	1.0
	CP62/30-100/5	100/5A	2.5	30mm	1.0
	CP62/30-125/5	125/5A	5.0	30mm	1.0
	CP62/30-150/5	150/5A	5.0	30mm	1.0
	CP62/30-200/5	200/5A	5.0	30mm	1.0
	CP62/30-250/5	250/5A	5.0	30mm	1.0
	CP62/40-150/5	150/5A	5.0	40mm	1.0
	CP62/40-200/5	200/5A	5.0	40mm	1.0
	CP62/40-250/5	250/5A	5.0	40mm	1.0
 **CP/86/60-500/5**	**CP62/40-300/5**	300/5A	5.0	40mm	1.0
	CP74/50-300/5	300/5A	5.0	50mm	1.0
	CP74/50-400/5	400/5A	5.0	50mm	1.0
	CP86/60-500/5	500/5A	5.0	60mm	1.0
	CP86/60-600/5	600/5A	5.0	60mm	1.0
	CP86/60-750/5	750/5A	5.0	60mm	1.0
	CP86/60-800/5	800/5A	5.0	60mm	1.0
	CP86/60-1000/5	1000/5A	5.0	60mm	1.0
	CP86/60-1250/5	1250/5A	5.0	60mm	1.0
	CP104/80-750/5	750/5A	15	80mm	1.0
	CP104/80-800/5	800/5A	15	80mm	1.0
	CP104/80-1000/5	1000/5A	15	80mm	1.0
	CP104/80-1200/5	1200/5A	15	80mm	1.0
	CP104/80-2000/5	2000/5A	15	80mm	1.0
 **CP140/100-1200/5**	**CP140/100-1200/5**	1200/5A	15	100mm	1.0
	CP140/100-1500/5	1500/5A	15	100mm	1.0
	CP140/100-1600/5	1600/5A	15	100mm	1.0
	CP140/100-2000/5	2000/5A	15	100mm	1.0
	CP140/100-2500/5	2500/5A	15	100mm	1.0
	CP140/100-3000/5	3000/5A	15	100mm	1.0

- Moving Iron or Shunt Connected Moving Coil
- Standard over scale 100%

Ammeters - (Direct Reading) Moving Iron - Standard Over Scale 100%

Product Image	Part Number	Scale Reading	Dimensions
	**AMI-48-*A**	5, 10, 15, 20, 30 Amp	48 x 48mm
	AMI-72-*A	5, 10, 15, 20, 30, 40, 50 Amp	72 x 72mm
	AMI-96-*A	5, 10, 15, 20, 30, 40, 50 Amp	96 x 96mm

Ammeters - (CT Operated 5A) Moving Iron - Standard Over Scale 100%

Product Image	Part Number	Scale Reading	Dimensions
	**48/5***	30/5 Up To 3000/5	48 x 48mm
	72/5*	30/5 Up To 3000/5	72 x 72mm
	96/5*	30/5 Up To 3000/5	96 x 96mm

DC Ammeters - Moving Iron - 50mVDC

Product Image	Part Number	Scale Reading	Dimensions
	**CP72-*/A**	5, 10, 20, 30, 40, 50, 100, 150 & 200 Amp DC **EXCLUDES SHUNT	72 x 72mm

Ammeter Switches

Product Image	Part Number	Description	Poles	kW AC3	Current Rating
	**C11-22-11**	For 3CT Operation	3P	2.7kW	10 Amps
	C11-14-11	Direct Reading	3P	2.7kW	10 Amps

AC Voltmeters - Moving Iron

Product Image	Part Number	Scale Reading	Dimensions
	**VMI-48*/V**	300, 400, 500 & 600 Amp	48 x 48mm
	VMI-72*/V	300, 400, 500 & 600 Amp	72 x 72mm
	VMI-96*/V	300, 400, 500 & 600 Amp	96 x 96mm

DC Voltmeters - Moving Coil

Product Image	Part Number	Scale Reading	Dimensions
	**CP72*/V**	15, 30, 50, 60, 100, 150 & 200VDC	72 x 72mm

Maximum Demand Ammeter - CT Operated - 15 Min/5A

Product Image	Part Number	Scale Reading	Dimensions
	**MD-72-*/5**	2 Needle (No Instantaneous)	72 x 72mm
	MD-96-*/5	2 Needle (No Instantaneous)	96 x 96mm

Maximum Demand Ammeter - Instantaneous - CT Operated - 15 Min/5A

Product Image	Part Number	Scale Reading	Dimensions
	**MDI-72-*/5**	3 Needle 100/5 Up To 3000/5	72 x 72mm
	MDI-96-*/5	3 Needle 100/5 Up To 3000/5	96 x 96mm

Frequency Meter - Pointer Type

Product Image	Part Number	Scale Reading	Dimensions
	**FA72-P-***	45 - 55Hz	72 x 72mm
	FA72-P-*	45 - 55Hz	96 x 96mm

Running Hour Meter - Counter Type

Product Image	Part Number	Scale Reading	Dimensions
	**BZ142-***	12VAC, 48VAC, 110VAC, 230 & 400VAC 12VDC & 24VDC	48 x 48 or 72 x 72mm
	*PLEASE SPECIFY VOLTAGE & DIMENSION		

Voltmeter Switches

Product Image	Part Number	Description	Poles	kW AC3	Current Rating
	**C11-16-11**	OFF-RW-WB-BR	3P	2.7kW	10 Amps
	C11-15-11	OFF-RN-WN-BN	3P	2.7kW	10 Amps
	C11-18-11	7 Position Phase To Phase & Phase To Neutral + OFF	3P	2.7kW	10 Amps



ISOLATORS & CHANGEOVER SWITCHES



- Rated operating voltage: 690V
- Rated impulse voltage: 8kV

IP20 Base Mount Isolators - AC

Product Image	Part Number	Current Rating	Poles	Description
	**ODA16S-3**	16A	3P	
	ODA20S-3	20A	3P	
	ODA25S-3	25A	3P	
	ODA32S-3	32A	3P	
	ODA40S-3	40A	3P	
	ODA63S-3	63A	3P	Red & Yellow Handle + Extension Shaft
	ODA16S-4	16A	4P	
	ODA20S-4	20A	4P	
	ODA25S-4	25A	4P	
	ODA32S-4	32A	4P	
	ODA40S-4	40A	4P	
	ODA63S-4	63A	4P	

IP65 Surface Mount Isolators - AC

Product Image	Part Number	Current Rating	Poles	Description
	**ODA16E-3**	16A	3P	
	ODA20E-3	20A	3P	
	ODA25E-3	25A	3P	
	ODA32E-3	32A	3P	
	ODA40E-3	40A	3P	
	ODA63E-3	63A	3P	Red & Yellow Handle Lockable Surface Mount
	ODA16E-4	16A	4P	
	ODA20E-4	20A	4P	
	ODA25E-4	25A	4P	
	ODA32E-4	32A	4P	
	ODA40E-4	40A	4P	
	ODA63E-4	63A	4P	

IP20 Din Rail Mount Isolators - AC

Product Image	Part Number	Current Rating	Poles	Description
	**ODA16-3**	16A	3P	
	ODA20-3	20A	3P	
	ODA25-3	25A	3P	
	ODA32-3	32A	3P	
	ODA40-3	40A	3P	
	ODA63-3	63A	3P	Red Handle
	ODA16-4	16A	4P	Din Rail Mount
	ODA20-4	20A	4P	
	ODA25-4	25A	4P	
	ODA32-4	32A	4P	
	ODA40-4	40A	4P	
	ODA63-4	63A	4P	

- Standard: IEC60947-3, applicable to DC21B
- Rated voltage 500VDC, 600VDC, 800VDC & 1000VDC
- Rated impulse withstand voltage 8kV
- Rated insulated voltage: 1000VDC
- Rated current: 16A, 25A & 32A
- No of poles: 2P, 2P+2P, 4P
- Rated Short-Circuit breaking Capacity: 3000A

IP20 Din Rail Mount Isolators - DC

Product Image	Part Number	Current Rating @500VDC	@600VDC	@800VDC	@1000VDC	Poles	Description
	**ODD16D2**	16A	16A	16A	10A	2P	
	ODD25D2	25A	25A	20A	12A	2P	
	ODD32D2	32A	32A	23A	13A	2P	
	ODD16D4	16A	16A	16A	16A	4P	Red Handle
	ODD25D4	25A	25A	25A	25A	4P	
	ODD32D4	32A	32A	32A	32A	4P	Din Rail Mount
	ODD16D22	30A	30A	16A	10A	2P+2P	
	ODD25D22	45A	45A	20A	12A	2P+2P	
	ODD32D22	50A	50A	23A	13A	2P+2P	

IP20 Panel Mount Isolators - DC

Product Image	Part Number	Current Rating @500VDC	@600VDC	@800VDC	@1000VDC	Poles	Description
	**ODD16P2**	16A	16A	16A	10A	2P	
	ODD25P2	25A	25A	20A	12A	2P	
	ODD32P2	32A	32A	23A	13A	2P	
	ODD16P4	16A	16A	16A	16A	4P	Red Handle
	ODD25P4	25A	25A	25A	25A	4P	
	ODD32P4	32A	32A	32A	32A	4P	Panel Mount
	ODD16P22	30A	30A	16A	10A	2P+2P	
	ODD25P22	45A	45A	20A	12A	2P+2P	
	ODD32P22	50A	50A	23A	13A	2P+2P	

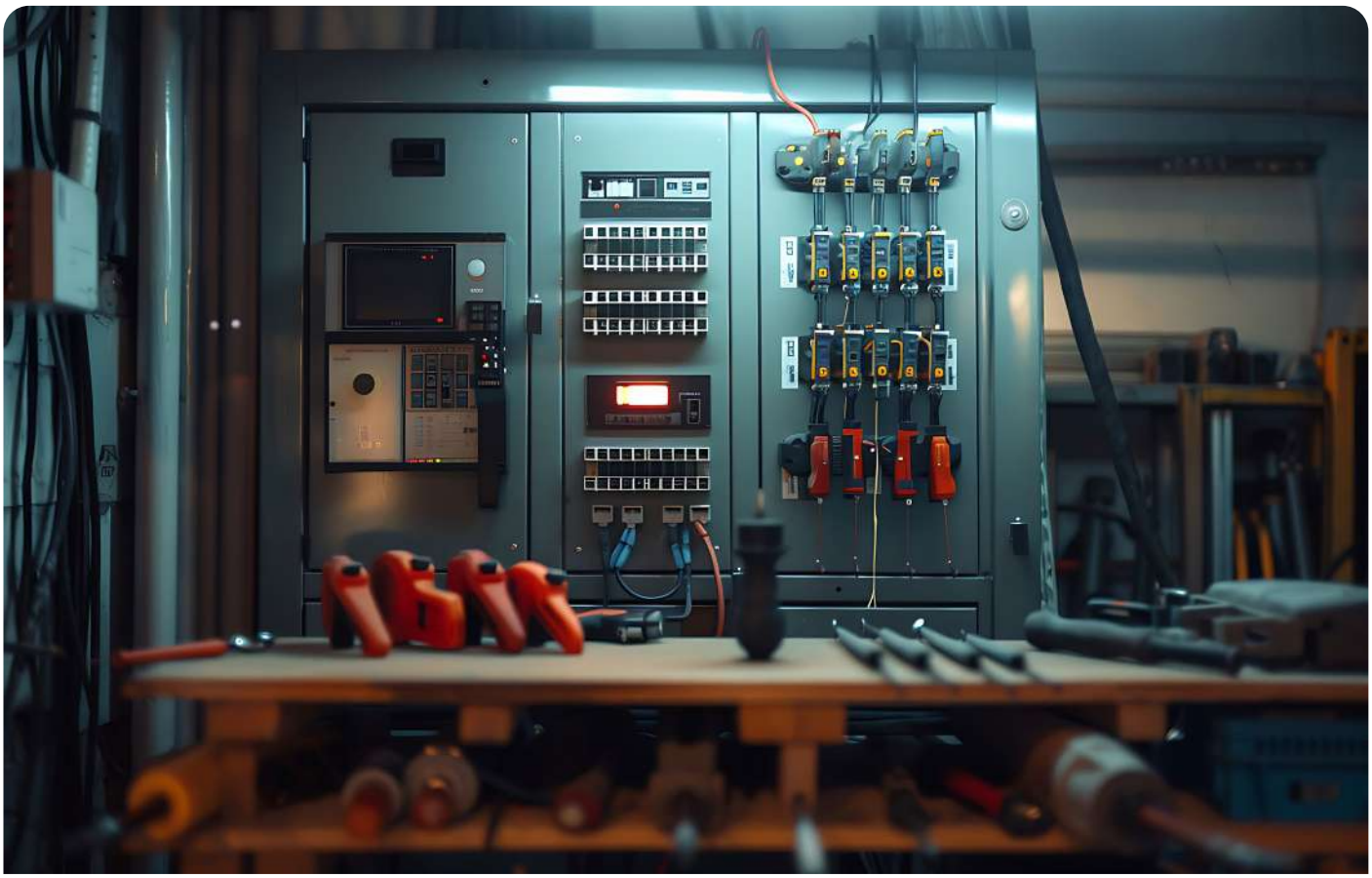
IP65 Surface Mount Isolators - DC

Product Image	Part Number	Current Rating @500VDC	@600VDC	@800VDC	@1000VDC	Poles	Description
	**ODD16D-E2**	16A	16A	16A	10A	2P	
	ODD25D-E2	25A	25A	20A	12A	2P	
	ODD32D-E2	32A	32A	23A	13A	2P	
	ODD16D-E4	16A	16A	16A	16A	4P	Black Handle
	ODD25D-E4	25A	25A	25A	25A	4P	Lockable
	ODD32D-E4	32A	32A	32A	32A	4P	Surface Mount
	ODD16D-E22	30A	30A	16A	10A	2P+2P	
	ODD25D-E22	45A	45A	20A	12A	2P+2P	
	ODD32D-E22	50A	50A	23A	13A	2P+2P	

- Standard: IEC60947-3, applicable to DC21B
- Maximum insulation voltage 1000VDC
- Rated impulse withstand voltage 12kV

IP20 Base Mount Isolators - DC

Product Image	Part Number	Current Rating	Poles	Description
	**KDD-2-125**	125A	2P	
	KDD-2-160	160A	2P	
	KDD-2-200	200A	2P	
	KDD-2-250	250A	2P	Lockable Handle
	KDD-2-400	400A	2P	Extension Shaft
	KDD-2-630	630A	2P	Base Mount
	KDD-2-800	800A	2P	
	KDD-2-1000	1000A	2P	
	KDD-2-1250	1250A	2P	



FIREMAN SWITCHES - SUITABLE FOR EMERGENCY CUT-OFF OF OUTDOOR SIGNAGE & LIGHTING IN THE EVENT OF A FIRE

The switch is activated by a pole operated ring-handle that locks automatically in the OFF position.
A spring-loaded locking pin prevents the unit being switched on accidentally.

*AC-23: Switching Motors and other highly inductive loads (Occasional Operation)



SPECIFICATIONS - FIREMAN SWITCHES

Aluminium enclosure	Size: 156 x 106 x 81mm
Colour: Red	IP65
Handle: Galvanised Steel	Earth screw provided
Stainless Steel Screws	5 x 15mm
Properties of the aluminium alloy ALSi9Cu EN-47100 Cu < 1% (ex UNI 5079)	
Specific weight 2.65kg/dm^3	Ultimate tensile strength: 23 +27 kg/mm^2
Brinell hardness: 75 + 95	Heat Conductivity at 20°C: 0,37 cal/cm sec°C
Heat Resistance °C: +300	Cold Resistance: -100

2 POLE FIREMAN SWITCHES			
SFS2-20	20 Amps	230V	AC23



IP66 Mini Surface Mount Isolators - AC

Product Image	Part Number	Current Rating	Poles	Description
	**2 Pole Isolators**			
	MHSP3-20-2	20A	2P	
	MHSP3-35-2	35A	2P	Lockable
	3 Pole Isolators			
	MHSP3-20-3	20A	3P	Surface Mount
	MHSP3-35-3	35A	3P	

IP66 Surface Mount Isolators - AC

Product Image	Part Number	Current Rating	Poles	Description
	**2 Pole Isolators**			
	HSP3-16-2	16A	2P	
	E-HSP-20-2	20A	2P	
	E-HSP-35-2	35A	2P	
	E-HSP-63-2	63A	2P	
	**3 Pole Isolators**			
	E-HSP-20-3	20A	3P	Lockable
	E-HSP-35-3	35A	3P	Surface Mount
	E-HSP-63-3	63A	3P	
	4 Pole Isolators			
	E-HSP-20-4	20A	4P	
	E-HSP-35-4	35A	4P	
	E-HSP-63-4	63A	4P	

IP66 Lockable Surface Mount Isolators - AC

Product Image	Part Number	Current Rating	kW	Poles	Description
	**56SW316**	16A	5,5kW	3P	Lockable
	56SW332	32A	15kW	3P	Surface Mount
	56SW363	63A	30kW	3P	

IP65 Lockable Surface Mount Isolators - AC





Part Number	Current Rating	kW	Poles	Description
2 Pole Isolators				
UKP0-162-SM	16A	5,5kW	2P	
UKP0-202-SM	20A	7,5kW	2P	
UKP1-252-SM	25A	11kW	2P	
UKP1-322-SM	32A	15kW	2P	
UKP3-402-SM	40A	18,5kW	2P	
UKP5-632-SM	63A	30kW	2P	
3 Pole Isolators				
UKP0-163-SM	16A	5,5kW	3P	
UKP0-203-SM	20A	7,5kW	3P	
UKP1-253-SM	25A	11kW	3P	
UKP1-323-SM	32A	15kW	3P	Red & Yellow Handle
UKP3-403-SM	40A	18,5kW	3P	Lockable
UKP5-633-SM	63A	30kW	3P	Surface Mount
UKP5-803-SM	80A	37kW	3P	
UKP5-103-SM	100A	45kW	3P	
4 Pole Isolators				
UKP0-164-SM	16A	5,5kW	4P	
UKP0-204-SM	20A	7,5kW	4P	
UKP1-254-SM	25A	11kW	4P	
UKP1-324-SM	32A	15kW	4P	
UKP3-404-SM	40A	18,5kW	4P	
UKP5-634-SM	63A	30kW	4P	
UKP5-804-SM	80A	37kW	4P	
UKP5-104-SM	100A	45kW	4P	

LOCKABLE ISOLATORS IN ENCLOSURES (IP65) ACCESSORIES



UKP1-2532-N	Neutral Pole Module for 25A - 32A Isolator
UKP3-40-N	Neutral Pole Module for 40A Isolator
UKP5-63-N	Neutral Pole Module for 63A Isolator
UKP5-80-N	Neutral Pole Module for 80A Isolator
UKP5-100-N	Neutral Pole Module for 100A Isolator
UKP1-AUX	For (25A & 32A) Isolators - NO NC Auxiliary Module
UKP3-AUX	For 40A Isolator - NO NC Auxiliary Module
UKP5-AUX	For (63A, 80A & 100A) Isolators - NO NC Auxiliary Module



IP20 Lockable Base Mount Isolators - AC (Block Type)

Product Image	Part Number	Current Rating	kW	Poles	Description
 C16B-3P	**3 Pole Isolators**				
	C16B-3P	16A	5,5kW	3P	
	C20B-3P	20A	7,5kW	3P	
	C25B-3P	25A	11kW	3P	
	C32B-3P	32A	15kW	3P	
	C40B-3P	40A	18,5kW	3P	
	C63B-3P	63A	30kW	3P	
	C80B-3P	80A	37kW	3P	
	C100B-3P	100A	45kW	3P	Red & Yellow Handle Lockable + Shaft Base Mount
	4 Pole Isolators				
	C16B-4P	16A	5,5kW	4P	
	C20B-4P	20A	7,5kW	4P	
	C25B-4P	25A	11kW	4P	
	C32B-4P	32A	15kW	4P	
	C40B-4P	40A	18,5kW	4P	
	C63B-4P	63A	30kW	4P	
	C80B-4P	80A	37kW	4P	
	C100B-4P	100A	45kW	4P	

IP20 Lockable Panel Mount Isolators - AC (Block Type)

Product Image	Part Number	Current Rating	kW	Poles	Description
	2 Pole Isolators				
	UKP0-162-PM	16A	5,5kW	2P	
	UKP0-202-PM	20A	7,5kW	2P	
	UKP1-252-PM	25A	11kW	2P	
	UKP1-322-PM	32A	15kW	2P	
	UKP3-402-PM	40A	18,5kW	2P	
	UKP5-632-PM	63A	30kW	2P	
	3 Pole Isolators				
	**UKP0-163-PM**	16A	5,5kW	3P	
	UKP0-203-PM	20A	7,5kW	3P	
	UKP1-253-PM	25A	11kW	3P	
	UKP1-323-PM	32A	15kW	3P	Red & Yellow Handle Lockable Panel Mount
	UKP3-403-PM	40A	18,5kW	3P	
	UKP5-633-PM	63A	30kW	3P	
	UKP5-803-PM	80A	37kW	3P	
	UKP5-103-PM	100A	45kW	3P	
	4 Pole Isolators				
	UKP0-164-PM	16A	5,5kW	4P	
	UKP0-204-PM	20A	7,5kW	4P	
	UKP1-254-PM	25A	11kW	4P	
	UKP1-324-PM	32A	15kW	4P	
	UKP3-404-PM	40A	18,5kW	4P	
	UKP5-634-PM	63A	30kW	4P	
	UKP5-804-PM	80A	37kW	4P	
	UKP5-104-PM	100A	45kW	4P	

IP30 Lockable Flush Mount Isolators - AC (With Wall Box)

Product Image	Part Number	Current Rating	kW	Poles	Description
	**UKP-202-FM**	20A	7,5kW	2P	Red & Yellow Handle Lockable & Flush Mount

- Panel Mount Isolators
- Various amperages and poles
- Cam type switch
- Tear Drop Handle - not lockable
- Specialized Switching Configurations Can Be Manufactured On Request

Rotary Panel Mount Isolators - AC (Cam Switch Type) - Off-On

Product Image	Part Number	Current Rating	kW	Poles	Description
	**2 Pole Isolators**				
	C16-02-11	16A	5,5kW	2P	
	C20-02-11	20A	7,5kW	2P	
	C25-02-11	25A	11kW	2P	
	C32-02-11	32A	15kW	2P	
	C40-02-11	40A	18,5kW	2P	
	C50-02-11	50A	22kW	2P	
	C63-02-11	63A	30kW	2P	
	C80-02-11	80A	37kW	2P	
	3 Pole Isolators				
	C16-03-11	16A	5,5kW	3P	
	C20-03-11	20A	7,5kW	3P	
	C25-03-11	25A	11kW	3P	
	C32-03-11	32A	15kW	3P	
	C40-03-11	40A	18,5kW	3P	On - Off Cam Switch Teardrop Handle Panel Mount
	C50-03-11	50A	22kW	3P	
	**C63-03-11**	63A	30kW	3P	
	C80-03-11	80A	37kW	3P	
	C100-03-11	100A	45kW	3P	
	C125-03-11	125A	55kW	3P	
	4 Pole Isolators				
	C16-04-11	16A	5,5kW	4P	
	C20-04-11	20A	7,5kW	4P	
	C25-04-11	25A	11kW	4P	
	C32-04-11	32A	15kW	4P	
	C40-04-11	40A	18,5kW	4P	
	C50-04-11	50A	22kW	4P	
	C63-04-11	63A	30kW	4P	
	C80-04-11	80A	37kW	4P	
	C100-04-11	100A	45kW	4P	
	C125-04-11	125A	55kW	4P	

- 415VAC
- Bolt on Base mounting
- Complete with shaft and padlockable handle

Load Break Isolators - AC (Complete With Door Interlocked Handle)







Part Number	Current Rating	Voltage	Poles	Description
3 Pole Isolators				
IGL-125/3	125A	415V	3P	
IGL-160/3	160A	415V	3P	
IGL-200/3	200A	415V	3P	
IGL-250/3	250A	415V	3P	
IGL-300/3	300A	415V	3P	
IGL-400/3	400A	415V	3P	
IGL-500/3	500A	415V	3P	
IGL-630/3	630A	415V	3P	
IGL-800/3	800A	415V	3P	
IGL-1000/3	1000A	415V	3P	
IGL-1250/3	1250A	415V	3P	
IGL-1600/3	1600A	415V	3P	
IGL-2500/3	2500A	415V	3P	
IGL-3150/3	3150A	415V	3P	Black Handle
4 Pole Isolators				Lockable
IGL-125/4	125A	415V	4P	Base Mount
IGL-160/4	160A	415V	4P	
IGL-200/4	200A	415V	4P	
IGL-250/4	250A	415V	4P	
IGL-300/4	300A	415V	4P	
IGL-400/4	400A	415V	4P	
IGL-500/4	500A	415V	4P	
IGL-630/4	630A	415V	4P	
IGL-800/4	800A	415V	4P	
IGL-1000/4	1000A	415V	4P	
IGL-1250/4	1250A	415V	4P	
IGL-1600/4	1600A	415V	4P	
IGL-2500/4	2500A	415V	4P	
IGL-3150/4	3150A	415V	4P	

- From 125A - 630A
- Enclosed in mild steel, UV Resistant, Powder coated enclosure
- Available in 3 or 4 Pole variants. PLEASE NOTE: MANUFACTURED TO ORDER. ENCLOSURE TYPE MAY VARY SUBJECT TO AVAILABILITY.

IP55 Enclosed Load Break Isolators - AC (Complete With Door Interlocked Handle)



Part Number	Current Rating	Voltage	Poles	Dimensions
3 Pole Isolators				
IGL-125/3-SM	125A	415V	3P	400 x 300 x 200
IGL-160/3-SM	160A	415V	3P	400 x 300 x 200
IGL-200/3-SM	200A	415V	3P	500 x 400 x 250
IGL-250/3-SM	250A	415V	3P	500 x 400 x 250
IGL-300/3-SM	300A	415V	3P	800 x 600 x 250
IGL-400/3-SM	400A	415V	3P	800 x 600 x 250
IGL-500/3-SM	500A	415V	3P	800 x 600 x 250
IGL-630/3-SM	630A	415V	3P	800 x 600 x 250
4 Pole Isolators				
IGL-125/4-SM	125A	415V	4P	400 x 300 x 200
IGL-160/4-SM	160A	415V	4P	400 x 300 x 200
IGL-200/4-SM	200A	415V	4P	500 x 400 x 250
IGL-250/4-SM	250A	415V	4P	500 x 400 x 250
IGL-300/4-SM	300A	415V	4P	800 x 600 x 250
IGL-400/4-SM	400A	415V	4P	800 x 600 x 250
IGL-500/4-SM	500A	415V	4P	800 x 600 x 250
IGL-630/4-SM	630A	415V	4P	800 x 600 x 250

SPARE ISOLATOR HANDLE



IGL-SH2 Spare Load Break Isolator Handle

Forward Reverse Switches



Part Number	Current Rating	Poles	Dimensions
C10-08-11	10A	3P	48 x 48mm
C16-08-11	16A	3P	48 x 48mm
C20-08-11	20A	3P	48 x 48mm

- Panel mounting
- Available in 2, 3 and 4 Pole variants
- Tear Drop handle - not lockable
- 10A To 50A = 48 x 48mm | 63A To 125A = 72 x 72mm

Rotary Panel Mount Change Over Switch - AC (Cam Switch Type) - 1 - Off - 2





Part Number	Current Rating	kW	Poles	Description
2 Pole C/Overs				
C10-06-11	10A	2,7kW	2P	
C16-06-11	16A	5,5kW	2P	
C20-06-11	20A	7,5kW	2P	
C25-06-11	25A	11kW	2P	
C32-06-11	32A	15kW	2P	
C40-06-11	40A	18,5kW	2P	
C50-06-11	50A	22kW	2P	
C63-06-11	63A	30kW	2P	
C80-06-11	80A	37kW	2P	
3 Pole C/Overs				
C10-07-11	10A	2,7kW	3P	
C16-07-11	16A	5,5kW	3P	
C20-07-11	20A	7,5kW	3P	
C25-07-11	25A	11kW	3P	
C32-07-11	32A	15kW	3P	1 - Off - 2
C40-07-11	40A	18,5kW	3P	Cam Switch
C50-07-11	50A	22kW	3P	Teardrop Handle
C63-07-11	63A	30kW	3P	Panel Mount
C80-07-11	80A	37kW	3P	
C100-07-11	100A	45kW	3P	
C125-07-11	125A	55kW	3P	
4 Pole C/Overs				
C10-45-11	10A	2,7kW	4P	
C16-45-11	16A	5,5kW	4P	
C20-45-11	20A	7,5kW	4P	
C25-45-11	25A	11kW	4P	
C32-45-11	32A	15kW	4P	
C40-45-11	40A	18,5kW	4P	
C50-45-11	50A	22kW	4P	
C63-45-11	63A	30kW	4P	
C80-45-11	80A	37kW	4P	
C100-45-11	100A	45kW	4P	
C125-45-11	125A	55kW	4P	

- 415VAC
- Complete with Padlock Handle & Links
- Available in 3 and 4 pole variations
- Bolt on Base mount switch

Load Break Change Over Switches - (Padlockable Handle) 1 - Off - 2







Part Number	Current Rating	Voltage	Poles	Description
3 Pole C/Overs				
CLZ1-125/3	125A	415V	3P	
CLZ1-160/3	160A	415V	3P	
CLZ1-200/3	200A	415V	3P	
CLZ1-250/3	250A	415V	3P	
CLZ1-315/3	315A	415V	3P	
CLZ1-400/3	400A	415V	3P	
CLZ1-500/3	500A	415V	3P	
CLZ1-630/3	630A	415V	3P	
CLZ1-800/3	800A	415V	3P	
CLZ1-1000/3	1000A	415V	3P	
CLZ1-1250/3	1250A	415V	3P	
CLZ1-1600/3	1600A	415V	3P	
CLZ1-2500/3	2500A	415V	3P	
CLZ1-3150/3	3150A	415V	3P	Black Handle
4 Pole C/Overs				Padlockable
CLZ1-125/4	125A	415V	4P	Base Mount
CLZ1-160/4	160A	415V	4P	Links & Auxiliaries
CLZ1-200/4	200A	415V	4P	
CLZ1-250/4	250A	415V	4P	
CLZ1-315/4	315A	415V	4P	
CLZ1-400/4	400A	415V	4P	
CLZ1-500/4	500A	415V	4P	
CLZ1-630/4	630A	415V	4P	
CLZ1-800/4	800A	415V	4P	
CLZ1-1000/4	1000A	415V	4P	
CLZ1-1250/4	1250A	415V	4P	
CLZ1-1600/4	1600A	415V	4P	
CLZ1-2500/4	2500A	415V	4P	
CLZ1-3150/4	3150A	415V	4P	
CLZ1-SH2	Spare Handle			

- 220VAC + 415VAC
- Control Voltage Rated @ 220VAC
- Padlockable
- Available in 2, 3 and 4 pole variations
- Bolt on Base mount switch

Automatic Motorized Change Over Switches - (Padlockable Handle)



Part Number	Current Rating	Voltage	Poles	Description
2 Pole C/Overs				
COSM-0063A2P	63A	220V	2P	
COSM-0080A2P	80A	220V	2P	
3 Pole C/Overs				
COSM-0063A3P	63A	415V	3P	
COSM-0080A3P	80A	415V	3P	
COSM-0100A3P	100A	415V	3P	
COSM-0125A3P	125A	415V	3P	
COSM-0160A3P	160A	415V	3P	
COSM-0200A3P	200A	415V	3P	
COSM-0250A3P	250A	415V	3P	
COSM-0315A3P	315A	415V	3P	
COSM-0400A3P	400A	415V	3P	
COSM-0500A3P	500A	415V	3P	
COSM-0630A3P	630A	415V	3P	
COSM-0800A3P	800A	415V	3P	
COSM-1000A3P	1000A	415V	3P	Automatic Motorized
4 Pole C/Overs				Padlockable
COSM-0063A4P	63A	415V	4P	Base Mount
COSM-0080A4P	80A	415V	4P	
COSM-0100A4P	100A	415V	4P	
COSM-0125A4P	125A	415V	4P	
COSM-0160A4P	160A	415V	4P	
COSM-0200A4P	200A	415V	4P	
COSM-0250A4P	250A	415V	4P	
COSM-0315A4P	315A	415V	4P	
COSM-0400A4P	400A	415V	4P	
COSM-0500A4P	500A	415V	4P	
COSM-0630A4P	630A	415V	4P	
COSM-0800A4P	800A	415V	4P	
COSM-1000A4P	1000A	415V	4P	

- Change-over enclosed in mild steel, powder coated enclosure
- Padlockable handle
- Available in 3 and 4 Pole variants
- PLEASE NOTE: MANUFACTURED TO ORDER
- ENCLOSURE TYPE MAY VARY SUBJECT TO AVAILABILITY

IP55 Enclosed Load Break Change Over Switches - (Padlockable Handle) 1 - Off - 2

Product Image	Part Number	Current Rating	Voltage	Poles	Dimensions
	3 Pole C/Overs				
	**CLZ1-125/3-SM**	125A	415V	3P	500 x 400 x 250
	CLZ1-160/3-SM	160A	415V	3P	500 x 400 x 250
	CLZ1-200/3-SM	200A	415V	3P	800 x 600 x 300
	CLZ1-250/3-SM	250A	415V	3P	800 x 600 x 300
	CLZ1-315/3-SM	315A	415V	3P	800 x 600 x 350
	CLZ1-400/3-SM	400A	415V	3P	800 x 600 x 350
	CLZ1-500/3-SM	500A	415V	3P	800 x 600 x 350
	CLZ1-630/3-SM	630A	415V	3P	1000 x 800 x 350
	4 Pole C/Overs				
	**CLZ1-125/4-SM**	125A	415V	4P	500 x 400 x 250
	CLZ1-160/4-SM	160A	415V	4P	500 x 400 x 250
	CLZ1-200/4-SM	200A	415V	4P	800 x 600 x 300
	CLZ1-250/4-SM	250A	415V	4P	800 x 600 x 300
	CLZ1-315/4-SM	315A	415V	4P	800 x 600 x 350
	CLZ1-400/4-SM	400A	415V	4P	800 x 600 x 350
	CLZ1-500/4-SM	500A	415V	4P	1000 x 800 x 350
	CLZ1-630/4-SM	630A	415V	4P	1000 x 800 x 350

- Auto Motorized Change-over enclosed in mild steel, powder coated enclosure
- Padlockable
- Available in 2, 3 and 4 pole variations
- Control Voltage Rated @ 220VAC
- PLEASE NOTE: MANUFACTURED TO ORDER
- ENCLOSURE TYPE MAY VARY SUBJECT TO AVAILABILITY
- WIRED TO TERMINALS.
- HANDLE CAN BE FITTED ON THE OUTSIDE OF THE ENCLOSURE (PLEASE SPECIFY).

IP55 Enclosed Automatic Motorized Change Over Switches - (Padlockable Handle)





Product Image	Part Number	Current Rating	Voltage	Poles	Description
	2 Pole C/Overs				
	COSM-0063A2P-SM	63A	220V	2P	500 x 400 x 250
	COSM-0080A2P-SM	80A	220V	2P	500 x 400 x 250
	3 Pole C/Overs				
	COSM-0063A3P-SM	63A	415V	3P	500 x 400 x 250
	COSM-0080A3P-SM	80A	415V	3P	500 x 400 x 250
	COSM-0100A3P-SM	100A	415V	3P	500 x 400 x 250
	COSM-0125A3P-SM	125A	415V	3P	600 x 400 x 250
	COSM-0160A3P-SM	160A	415V	3P	600 x 400 x 300
	COSM-0200A3P-SM	200A	415V	3P	800 x 600 x 300
	COSM-0250A3P-SM	250A	415V	3P	800 x 600 x 350
	COSM-0315A3P-SM	315A	415V	3P	800 x 600 x 350
	COSM-0400A3P-SM	400A	415V	3P	800 x 600 x 350
	COSM-0500A3P-SM	500A	415V	3P	800 x 600 x 350
	COSM-0630A3P-SM	630A	415V	3P	800 x 600 x 350
	4 Pole C/Overs				
	COSM-0063A4P-SM	63A	415V	4P	500 x 400 x 250
	COSM-0080A4P-SM	80A	415V	4P	500 x 400 x 250
	COSM-0100A4P-SM	100A	415V	4P	500 x 400 x 250
	COSM-0125A4P-SM	125A	415V	4P	600 x 400 x 250
	COSM-0160A4P-SM	160A	415V	4P	600 x 400 x 300
	COSM-0200A4P-SM	200A	415V	4P	800 x 600 x 300
	COSM-0250A4P-SM	250A	415V	4P	800 x 600 x 350
	COSM-0315A4P-SM	315A	415V	4P	800 x 600 x 350
	COSM-0400A4P-SM	400A	415V	4P	800 x 600 x 350
	COSM-0500A4P-SM	500A	415V	4P	800 x 600 x 350
	COSM-0630A4P-SM	630A	415V	4P	800 x 600 x 350

- Auto Motorized Change-over enclosed in a mild steel, powder coated enclosure
- ATS (LCD) Controller
- Indication Lights & Ammeters
- Lockable
- Available in 3 and 4 pole variations

Enclosed Automatic Motorized Change Over Switches - With ATS Controller

NEW!



Product Image	Part Number	Current Rating	Includes	Poles	Dimensions
	3 Pole C/Overs				
	ENC-COSM-100/3	63A - 100A The Above Can Be Used For 63A, 80A & 100A Max Only		3P	600 x 450 x 200
	ENC-COSM-160/3	160A The Above Can Be Used For 125A & 160A Max Only		3P	700 x 500 x 250
	ENC-COSM-250/3	250A The Above Can Be Used For 200A, 225A & 250A Max Only	ATS Controller, Indication Lights & Ammeters	3P	700 x 500 x 250
	4 Pole C/Overs				
	ENC-COSM-100/4	63A - 100A The Above Can Be Used For 63A, 80A & 100A Max Only		4P	600 x 450 x 200
	ENC-COSM-160/4	160A The Above Can Be Used For 125A & 160A Max Only		4P	700 x 500 x 250
	ENC-COSM-250/4	250A The Above Can Be Used For 200A, 225A & 250A Max Only		4P	700 x 500 x 250

Intelligent Automatic Transfer Switch Controller

NEW!





ATS CONTROLLER & ATS CABLE

ATS-002-L

Introduction

ATS-002-L series Automatic Transfer Switch Controller is equipped with a Microprocessor Measuring unit, Programmable Output unit, LCD function, adjustable Conversion Delay function, adjustable working models and Intelligent Power Module to reduce the risk of manual operation.
These Microprocessor based units ATS-002-L can detect Over-voltage, Under - Voltage and Phase Failure events.

Functions

- LCD Display
- Uninterrupted Duty
- Self-Input & Self-Restore
- Normal Port & Standby Port Share To Each Other
- Generator Auto-Start Function
- Normal Power Detection
- Standby Power Detection (4 Phase Lacking Phase Detection, 3 Phase Over/Under Voltage Detection)
- Passive Fire Protection Input (4 Phase Lacking Phase Detection, 3 Phase Over/Under Voltage Detection)
- (DC9-36) Active Fire Protection Input
- Active Fire Control Input
- Real-Time Voltage Display
- Normal Power & Standby Power Indication
- Normal Power & Standby Power
- Over/Under Voltage Adjustable
- Generator Rev/Stop Time Adjustable (F/F1)
- Programmable Output
- RS485 Communication Function
- 2 Meter ATS Cable

- Enclosed weatherproof change over switch
- Available in 2,3 and 4 pole Variants
- Manually Operated
- IP65

IP65 Surface Mount Change Over Switch





Product Image	Part Number	Current Rating	kW	Poles	Description
	2 Pole C/Overs				
	UKT0-202-SM	20A	7,5kW	2P	
	UKT3-252-SM	25A	11kW	2P	
	UKT3-322-SM	32A	15kW	2P	
	UKT3-402-SM	40A	18,5kW	2P	
	UKT5-632-SM	63A	30kW	2P	
	UKT5-802-SM	80A	30kW	2P	
	UKT5-1002-SM	100A	45kW	2P	
	3 Pole C/Overs				
	UKT0-203-SM	20A	7,5kW	3P	
	UKT3-253-SM	25A	11kW	3P	
	UKT3-323-SM	32A	15kW	3P	Main - Off - Gen
	UKT3-403-SM	40A	18,5kW	3P	Manually Operated
	UKT5-633-SM	63A	30kW	3P	Surface Mount
	UKT5-803-SM	80A	37kW	3P	
	UKT5-1003-SM	100A	45kW	3P	
	4 Pole C/Overs				
	UKT0-204-SM	20A	7,5kW	4P	
	UKT3-254-SM	25A	11kW	4P	
	UKT3-324-SM	32A	15kW	4P	
	UKT3-404-SM	40A	18,5kW	4P	
	UKT5-634-SM	63A	30kW	4P	
	UKT5-804-SM	80A	37kW	4P	
	UKT5-1004-SM	100A	45kW	4P	

- Enclosed weatherproof change over switch
- Available in 2,3 and 4 pole Variants
- Fitted with indication lights
- Manually Operated • IP65

IP65 Surface Mount Change Over Switch + Indication

Product Image	Part Number	Current Rating	kW	Poles	Description
	**2 Pole C/Overs**				
	UKT0-202-SM-I	20A	7,5kW	2P	
	UKT3-252-SM-I	25A	11kW	2P	
	UKT3-322-SM-I	32A	15kW	2P	
	UKT3-402-SM-I	40A	18,5kW	2P	
	UKT5-632-SM-I	63A	30kW	2P	
	UKT5-802-SM-I	80A	30kW	2P	
	UKT5-1002-SM-I	100A	45kW	2P	
	**3 Pole C/Overs**				
	UKT0-203-SM-I	20A	7,5kW	3P	
	UKT3-253-SM-I	25A	11kW	3P	Indication
	UKT3-323-SM-I	32A	15kW	3P	Main - Off - Gen
	UKT3-403-SM-I	40A	18,5kW	3P	Manually Operated
	UKT5-633-SM-I	63A	30kW	3P	Surface Mount
	UKT5-803-SM-I	80A	37kW	3P	
	**UKT5-1003-SM-I**	100A	45kW	3P	
	4 Pole C/Overs				
	UKT0-204-SM-I	20A	7,5kW	4P	
	UKT3-254-SM-I	25A	11kW	4P	
	UKT3-324-SM-I	32A	15kW	4P	
	UKT3-404-SM-I	40A	18,5kW	4P	
	UKT5-634-SM-I	63A	30kW	4P	
	UKT5-804-SM-I	80A	37kW	4P	
	UKT5-1004-SM-I	100A	45kW	4P	

MCE®
ELECTRIC

TOOLS





HAND HELD CABLE CUTTER

CC-325

Up to 150mm Copper & Aluminium Cable



HAND HELD CABLE CUTTER

HS-250

Up to 240mm Copper & Aluminium Cable



WIRE STRIPPER

HS-700D

For wire size: 1mm - 3,2mm



WIRE STRIPPER

HY-369B

For wire size: 1mm-3,2mm



INSULATED CRIMPING PLIERS

HS-30J

For wire size: 0,5mm; 1mm; 1,5mm; 2,5mm; 4mm; 6mm; 10mm



UNINSULATED CRIMPING PLIERS

HS-101

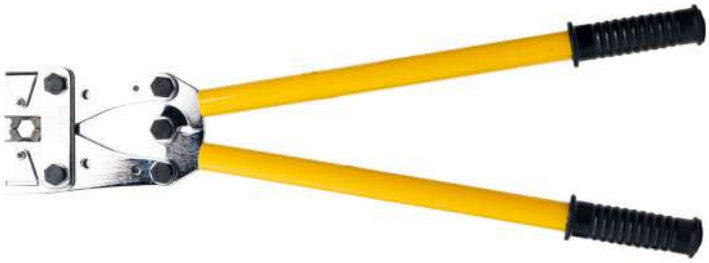
For wire size: 1,5mm; 2,5mm; 4mm; 6mm; 10mm



CRIMPING PLIERS

HD-25L

For wire size: 5,5mm - 25mm



MECHANICAL CRIMPING PLIERS

JY-16120

For wire size: 16mm - 120mm hexagonal crimp



HYDRAULIC CRIMPING PLIERS

YQK-240

For wire size: 16mm-240mm hexagonal crimp. Complete with dies



SOCKET TESTER

ST-230

230V at 50Hz
Measurement Category: CAT III, 300V
RCD test Time: 60~300ms

NEW!



HYDRAULIC PUNCH & DIE SET

SKY-8

This hand operated punch and die set is complete in a sheet steel case. A set of round punches is included in the set.

Suitable for cutting Mild Steel of up to 3.5mm thick.

Round Punch & Die
Diameter: 22.5mm, 28.3mm
34.6mm, 43.2mm
49.6mm & 61.5mm

Square Dies
SD-48, SD-72 & SD-96
(To Be Purchased Separately)

NEW!



SQUARE KNOCKOUT PUNCH

SD-48

Type F 46 x 46mm

NEW!



SQUARE KNOCKOUT PUNCH

SD-72

Type F 68 x 68mm

NEW!



SQUARE KNOCKOUT PUNCH

SD-96
Type F 92 x 92mm

NEW!

BATTERY OPERATED HYDRAULIC PUNCH & DIE SET



MCE-PTB 2.0

Battery Powered Hydraulic Punch 2.0AH 18V Complete With Round Punch Dies. Square Punch Dies Compatible With This Tool:
SD-48, SD-72 Or SD-96
(To Be Purchased Separately)

Includes: 2 x Draw Studs, 1 x Spacer
2 x Batteries, Charger,
1 Set Of Cylinder Sealing Rings &
1 Set Of Safety Valve Sealing Rings

Round Punch & Die
Diameter: 22.5mm, 28.3mm
34.6mm, 43.2mm
49.6mm & 61.5mm

NEW!

BATTERY OPERATED CUTTER & CRIMPING TOOL

MCE-CC120

Cutting & Crimping Battery Operated Tool 4.0AH 18V
Includes: Tool, Crimping Head, Crimping Dies, Cutting Head, 2 x Batteries, Charger & Carry Case



Crimping Die
Diameter: 16mm, 25mm, 35mm
50mm, 70mm, 95mm
120mm, 150mm,185mm,
240mm, 300mm & 400mm

NEW!



SPARE BATTERY

BAT 2.0AH

18V 2.0AH Spare Battery
For **MCE-PTB 2.0**

NEW!



SPARE BATTERY

BAT 4.0AH

18V 4.0AH Spare Battery
For **MCE-CC120**

NEW!



SPARE BATTERY

MCE-Z CHARGE

Universal Battery Charger For Both 2.0AH & 4.0AH Batteries
To Be Used Only With MCE Batteries

NEW!



PVC PIPE CUTTER

PVC 42

42mm PVC Pipe Cutter With Ratchet Mechanism
Cuts 20-42mm PVC Pipe



VDE SPECIALISED SCREWDRIVER SET

MCE-SS113

VDE Specialised Screwdriver Set | 13 Piece
1000V Safe | Interchangeable Screwdriver heads | Storage Case

MCE-SS113-SH

Spare Srewdriver Handle

NEW!



VDE INSULATED TOOL SET

MCE-SSB10

VDE Insulated Tool Set
10 Piece
1000V Safe



VDE SPECIALISED SCREWDRIVER SET

MCE-SS114

VDE Specialised Screwdriver Set
7 Piece
1000V Safe

NEW!



COMBINATION PLIERS

MCE-CP584C4

VDE Insulated 160mm

1000V Safe

3 YEAR WARRANTY

NEW!



COMBINATION PLIERS

MCE-CP584B1

VDE Insulated 180mm

1000V Safe

3 YEAR WARRANTY

NEW!



COMBINATION PLIERS

MCE-CP584E1

VDE Insulated 200mm

1000V Safe

3 YEAR WARRANTY

NEW!



LONG NOSE PLIERS

MCE-LNP584C1

VDE Insulated 200mm

1000V Safe

3 YEAR WARRANTY

NEW!



CABLE KNIFE

MCE-CK58601

VDE Insulated

1000V Safe

3 YEAR WARRANTY

NEW!



DIAGONAL CUTTER

MCE-DC584B2

VDE Insulated 160mm

1000V Safe

3 YEAR WARRANTY

NEW!



DIAGONAL CUTTER

MCE-DC584E2

VDE Insulated 180mm

1000V Safe

3 YEAR WARRANTY

NEW!



HEAVY DUTY DIAGONAL CUTTER

MCE-DC584C6

VDE Insulated 180mm

1000V Safe

3 YEAR WARRANTY



NEW!



MULTI-FUNCTION PLIERS

3 YEAR WARRANTY

MFP

225mm | 7-In-1 Multi-function
Pliers | CR-V Steel
Stripping Range: 1.5 -6mm2

NEW!



MULTI-FUNCTION PLIERS

3 YEAR WARRANTY

MFLN

229mm | 5-In-1 Multi-function
Long Nose Pliers | CR-V Steel
Stripping Range: 1.5 -6mm2

NEW!



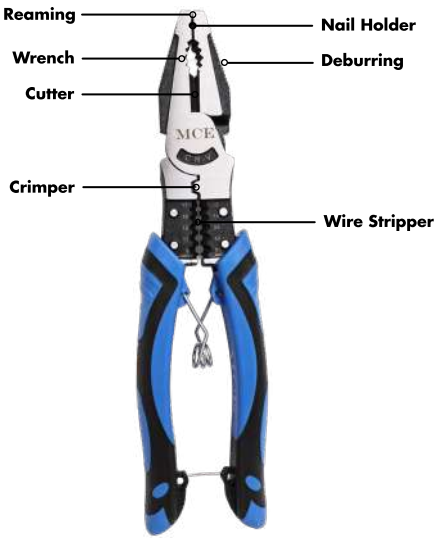
MULTI-FUNCTION SIDE CUTTER

3 YEAR WARRANTY

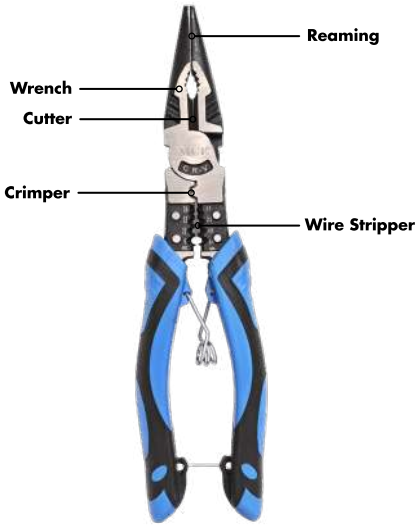
MFSC

195mm | 3-In-1 Multi-function
Side Cutter | CR-V Steel
Stripping Range: 1.5 -6mm2

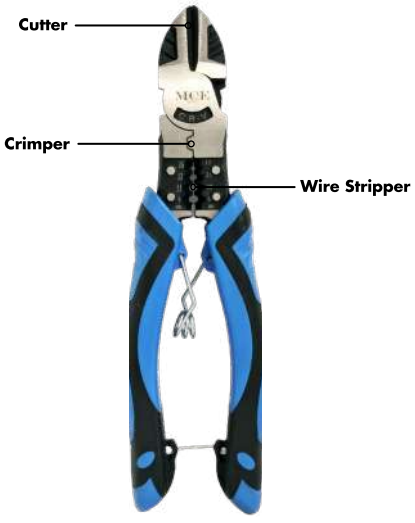
7-IN-1 MULTI-FUNCTION PLIER FUNCTIONS



5-IN-1 MULTI-FUNCTION LONG NOSE PLIER FUNCTIONS



3-IN-1 MULTI-FUNCTION SIDE CUTTER FUNCTIONS



NEW!

3 YEAR WARRANTY



WATER PUMP PLIERS

WPP10

250mm | 10″
Water Pump Pliers | CR-V Steel
Easy Jaw Gip

NEW!

3 YEAR WARRANTY



CABLE CUTTER

CC6

160mm | 6″
Cable Cutter
Max Cable: 15mm²

NEW!

3 YEAR WARRANTY



BIG HEAD CABLE CUTTER

BCC10

240mm | 9.5″
Big Head Cable Cutter
Max Cable: 60mm²



NEW!



SCREWDRIVERS

3 YEAR WARRANTY

MCE-SDC2

Pozidriv Star Screwdriver | Loose - C2

Size: PZ2 x 100mm

NEW!



SCREWDRIVERS

3 YEAR WARRANTY

MCE-SDC3

Pozidriv Star Screwdriver | Loose - C3

Size: PZ1 x 80mm

NEW!



SCREWDRIVERS

3 YEAR WARRANTY

MCE-SDA2

Flat Screwdriver | Loose - A2

Size: 1.2 x 6.5 x 150mm

NEW!



SCREWDRIVERS

3 YEAR WARRANTY

MCE-SDA3

Flat Screwdriver | Loose - A3

Size: 1.0 x 5.5 x 125mm

NEW!



SCREWDRIVERS

3 YEAR WARRANTY

MCE-SDA4

Flat Screwdriver | Loose - A4

Size: 0.8 x 4.0 x 100mm

NEW!



SCREWDRIVERS

3 YEAR WARRANTY

MCE-SDA7

Flat Screwdriver | Loose - A7

Size: 0.4 x 2.5 x 75mm

OFF-GRID INVERTERS



IP OFF-GRID INVERTERS

IP900 & IP1600

- User selectable for accepting wide input voltage
- Off mode charging function
- Fast charging capacity. Max 10A or 20A charging current choice
- 3 stage Intelligent Charging Control
- Full protection function
- Auto restart function
- Low DC cut-off voltage setting
- LCD indicators and buzzer alarms
- Compact size
- Buzzer mute control

scan for tutorial



MODEL NAME	IP900	IP1600
CAPACITY (VA / W)	1000 / 900	2000 / 1600
INPUT		
Voltage Range		
Narrow Range Mode	170~280Vac	
Wide Range Mode	90~280Vac	
Frequency Range	50 / 60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt.Mode)	230Vac ±10%	
Frequency Range(Batt.Mode)	50/60Hz ±1Hz	
Transfer Time	20 ms typical	
Waveform	Modified Sine Wave	
BATTERY		
Battery Voltage	12V	24V
Charging Current	10A / 20A	
PROTECTION		
Protection	Low battery alarm, low battery shutdown, over charge protection, overload protection, over temperature protection, short circuit protection	
ALARM		
Low Battery	Beep every second	
Overload	Beep every 0.5 second	
Fault	Continuous Beep	
OPERATING ENVIRONMENT		
Humidity	0–90% RH @ 0–50 ℃ (non-condensing)	
PHYSICAL		
Dimension（D×W×H） mm	310×239×93	
OTHERS		
Built-in USB Charger (5V×1A max)	Optional	
AC input voltage range selection	Yes	
AC charging current selection	Yes	
Low DC cut-off voltage setting	Yes	
AC output rating voltage selection	Yes	
Buzzer mute control	Yes	
Battery Voltage & load percentage display	Yes	

Product specifications are subject to change without prior notice.

SIP OFF-GRID SOLAR INVERTER

NEW!

SIP1600

- Compact and quiet, less than 50dB of noise
- Selectable voltage settings for wide or narrow voltage windows
- Input protections from under/over voltage and frequency
- 10A or 20A 3 stage charging that is independent, able to charge while the inverter is turned off.
- Battery protections with low/high DC cut-off voltage settings
- Output protections from overload and short-circuit
- 20ms switching between line and battery mode
- LCD indicators and buzzer alarms that can be muted
- Solar cell module, battery reverse polarity connection protection
- Solar charge controller and solar inverter.

scan for tutorial

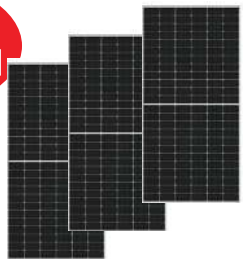


Model	SIP 1600
CAPACITY (VA / W)	2000 / 1600
Nominal Battery Voltake (lead-acid battery)	24Vdc
LINE MODE	
INPUT	
Nominal Voltage	230Vac
Voltage Range	170~280Vac (Narrow range) 90~280Vac (Wide range)
Nominal Frequecy	50Hz or 60Hz
OUTPUT	
Voltage	230Vac
Frequency / Waveform	Tracking the Utility
Transfer Time	20ms Typical
BACKUP MODE	
OUTPUT	
Voltage	220 / 230 / 240Vac
Frequency	50Hz or 60Hz (Auto detection)
Waveform	Modified Sine Wave
Protection	Low battery alarm, low battery shutdown, over charge protection, overload protection, over temperature protection, short circuit protection
Battery charger (power by AC)	
Charging algorithm	3 - stage charging
AC charging mode	10A / 20A
Floating charging voltage	27.50±0.50V
Overcharging voltage	30.60V
Solar battery charger	
MAX. input power	1200W
Charging current (PWM)	50A
System DC Voltage	24Vdc
Optimal work voltage range	30V~32V
MAX. PV input current	60V
MAX. PV input current	50A
GENERAL	
PHYSICAL	
Dimension（D×W×H） mm	316×227×92
Net Weight (kg)	3.3
ENVIRONMENT	
Operating Environment	0~50℃, 0%~90% relative humidity (Non-condensing)
Storage Environment	-15 to 50℃, 0% to 90% relative humidity (Non-condensing)
Noise Level	Less than 50dB
Built-in USB Charger (5V×1A max)	Optional
AC input voltage range selection	Yes
AC charging current selection	Yes
Low DC cut-off voltage setting	Yes
AC output rating voltage selection	Yes
Buzzer mute control	Yes
Battery Voltage & load percentage display	Yes

Specifications subject to change without prior notice.

OPTIONAL

Solar Panels Can Be Added



ADD: 3 X 330W SOLAR PANELS
OR 2 X 455W SOLAR PANELS

BATTERIES & BATTERY CHARGERS



300A BUSBAR ENCLOSURE IP65



BB-300

300A BUSBAR ENCLOSURE IP65	
PRODUCT CODE	BB-300
COMPONENTS	
ENCLOSURE	GR40030
BUSBAR INSULATOR (RED)	S842-3 RED
BUSBAR INSULATOR (BLACK)	S842-3 BLACK
BUSBAR	
SPECIFICATIONS	
IP RATING	IP65
DIMENSIONS	400 X 300 X 170
BUSBAR SIZE	CBB-30X5
AMPERAGE	300A

600A BUSBAR ENCLOSURE IP65



BB-600

600A BUSBAR ENCLOSURE IP65	
PRODUCT CODE	BB-600
COMPONENTS	
ENCLOSURE	GR40050
BUSBAR INSULATOR (RED)	S842-3 RED
BUSBAR INSULATOR (BLACK)	S842-3 BLACK
BUSBAR	
SPECIFICATIONS	
IP RATING	IP65
DIMENSIONS	400 X 300 X 170
BUSBAR SIZE	CBB-30X10
AMPERAGE	600A

PWM SOLAR CHARGE CONTROLLER

CODE	MAX CHARGING CURRENT
MCESC-1210	10A
MCESC-1220	20A
MCESC-1230D	30A



MCESC-1210/ MCESC-1220

FEATURES:

- Built-In Industrial Micro Controller.
- LCD Display.
- Full 3 Stage PWM Charge Management.
- Built-In Short-Circuit Protection, Open Circuit Protection, Reverse Protection & Overload Protection.
- Dual Mosfet Reverse Current Protection, Low Heat Production.
- 2 x USB Charging Ports (MCESC-1210 & 1220 Only)
- Can Auto Detect 12VDC or 24VDC System Voltage.
- Adjustable Parameters.
- Able To Charge Lead Acid, AGM, GEL & Lithium batteries.



MCESC-1230D

FEATURES:

- Can Auto Detect 12VDC or 24VDC System Voltage
- Large Easy To Read LCD Display With Menu To Show: Battery Voltage, PV Charge Current In Amps, Load Discharge Current In Amps, Total PV Charge Current In Ah, Total PV Discharge Current In Ah.
- 3 Settable Sub-Menu's: Constant Voltage charging, Low Voltage Disconnect & Low Voltage Re-Connect.
- Full Electronic Protection (Reverse Polarity, Over Current, Short Circuit, Over Temperature, Reverse Current).
- Temperature Compensated, 3 Stage I-U Curve Charge Regulation.
- Dual Terminals For Solar Panels Input.
- Able To Charge Lead Acid, AGM and GEL batteries.

SYSTEM CONNECTION:

1. Connect The Battery To The Charger Regulator - Plus & Minus.
2. Connect the Photovoltaic Module To The Regulator - Plus & Minus.
3. Connect The Load To The Charge Regulator - Plus & Minus.

IMPORTANT:

- The Reverse Order Applies When Disconnecting The Unit.
- An Improper Sequence Order Will Damage The Controller.
- **MCESC-1230D Not Suitable For Lithium Iron Battery Charging**



CODE	MAX CHARGING CURRENT	INPUT AC	OUTPUT DC
MCE3-1210	10A	190-265V	12V
MCE3-1220	20A	190-265V	12V
MCE3-2410	10A	190-265V	24V

NOT SUITABLE FOR LITHIUM BATTERIES

FEATURES:

AUTOMATIC 3 STAGE BATTERY CHARGER

- On/Off Switch.
- Wide Single Phase Range: It Is Able To Handle A Wide AC Single Phase Range.
- Battery Status Indicators: Red LED displays "Fault"
  Green LED displays "Power On"
  White LED (Dual Colour) Red Indicates Charging, While Green Displays Float Charge.
- Short Circuit Protection : Charger Output Cuts Off Automatically When Reverse Polarity Occurs (Indicated by a blown Fuse).
- Overload Protection: Charger Output Cuts Off Automatically When Overload Condition Occurs.
- Overcharge Protection: Constant Voltage & Constant Current Output Prevent Overcharging.
- Compact High Frequency Technology & Reliability.
- Strong Ergonomics Aluminium Housing With Excellent Cooling Efficiency.
- Soft Start Bulk Charge



CODE	MAX CHARGING CURRENT	INPUT AC	OUTPUT DC
MCE7-1210	10A	190-265V	12V
MCE7-1220	20A	190-265V	12V
MCE7-2410	10A	190-265V	24V
MCE7-2420	20A	190-265V	24V

NOT SUITABLE FOR LITHIUM BATTERIES

AUTOMATIC 7 STAGE BATTERY CHARGER WITH SWITCHING MODE

FEATURES:

- LED Digital Display: U: Battery Voltage, I: Charge Current, C: 7 Charging Stage, P: Overheat Protection.
- LED Indicators: AGM/GEL/WET Battery.
- Numerous Protection Functions: Overheat, Overcharge, Short Curcuit, Soft Start, Internal Temperature Compensation, Reverse Polarity & Overcharge Protection.
- 7 Stage Charging: C-1: Desulpation, C-2: Soft Start, C-3: Bulk (Constant Current), C-4: Absortion (Constant Voltage), C-5: Battery Test, C-6: Recondition & C-7: Float.

MCE ELECTRIC

6-GSP-7Ah

Valve-regulated Lead Acid Battery Specification

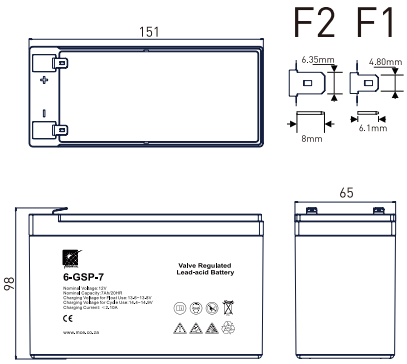


Features

- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapts to high or low temperatures
- Good deep discharge performance
- Longer cycle life

Specification

Rated Voltage	12V
Numbers of cells	6 Cells
Capacity	7.0Ah@20hr-rate to 1.80V per cell @25°C
Weight	2.26kg
Internal Resistance	Approx. 23 mΩ
Terminal	F1 / F2
Max. Discharge Current	105A(5s)
Short Circuit Current	375A
Max. Charging Current	2.1A
Reference Capacity	C20 7.0AH C5 5.8AH C1 4.26AH
Design Life	6~8 years
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -20mV/°C/Cell
Cycle Use Voltage	14.4 V~14.9 V @ 25°C Temperature Compensation: -30mV/°C/Cell
Operating Temperature Range	Discharge: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~40°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Length	151±2mm (5.9 inches)
Width	65±1mm (2.6 inches)
Height	94±1mm (3.7 inches)
Total Height	98 ±1mm (3.9 inches)

Constant Current Discharge Characteristics: A(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	19.2	13.7	11.3	9.20	6.65	4.80	3.83	1.66	1.14	0.653	0.350
1.75V/cell	21.5	14.9	12.0	9.70	6.92	4.99	3.98	1.71	1.16	0.663	0.357
1.70V/cell	23.4	15.9	12.8	10.2	7.18	5.12	4.05	1.75	1.19	0.672	0.361
1.65V/cell	25.5	16.8	13.4	10.6	7.43	5.28	4.17	1.77	1.21	0.680	0.365
1.60V/cell	26.8	17.6	13.8	10.9	7.64	5.42	4.26	1.81	1.23	0.690	0.371

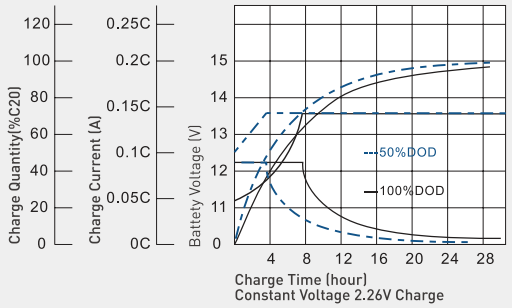
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	35.9	25.8	21.5	17.7	12.9	9.37	7.52	3.30	2.27	1.31	0.704
1.75V/cell	39.8	28.0	22.8	18.6	13.4	9.72	7.79	3.37	2.31	1.33	0.716
1.70V/cell	42.8	29.5	24.0	19.3	13.8	9.89	7.88	3.42	2.34	1.33	0.718
1.65V/cell	45.7	30.7	24.8	19.8	14.1	10.1	8.02	3.45	2.36	1.34	0.720
1.60V/cell	47.0	31.5	25.1	20.1	14.3	10.3	8.13	3.50	2.39	1.35	0.728

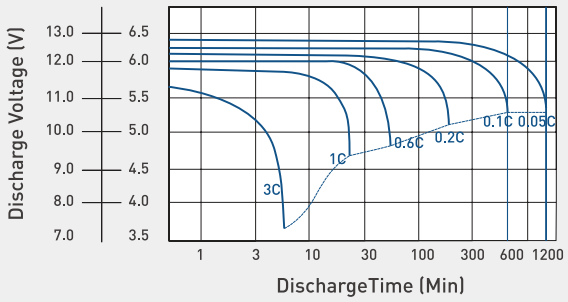
6-GSP-7Ah

Valve-regulated Lead Acid Battery Specification

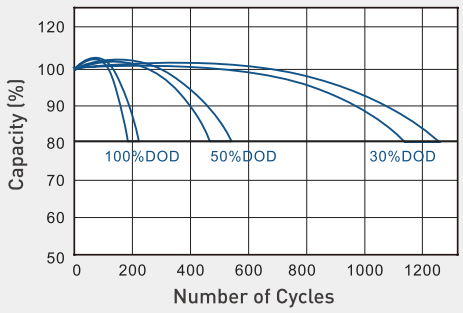
Charge Characteristics for Float Use @ 25°C/77°F



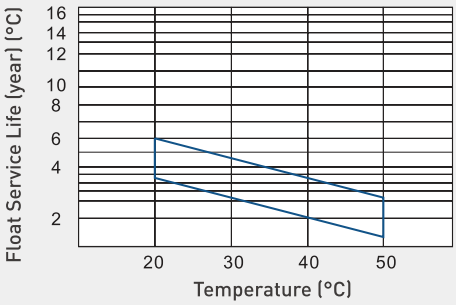
Discharge Characteristics at Various Rates @ 25°C/77°F



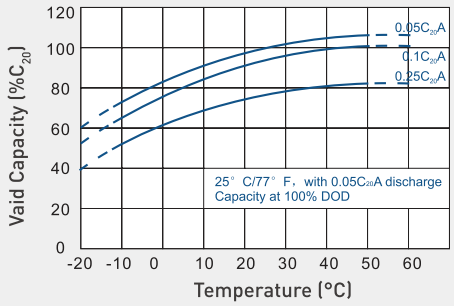
Cycle Life in Relation to Depth of Discharge



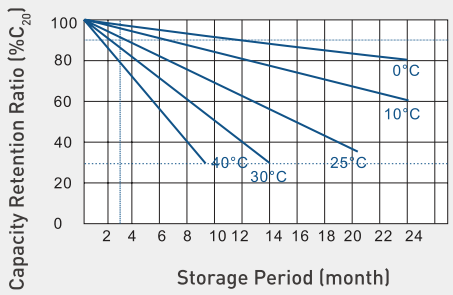
Float Service Life



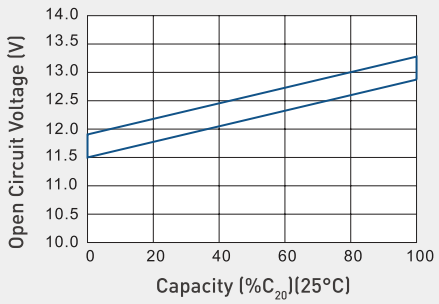
Temperature and Valid Capacity



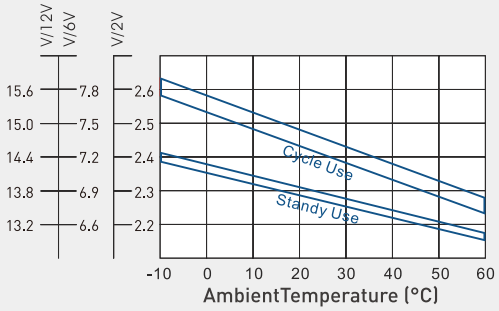
Self Discharge Charecteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage andTemperature



MCE ELECTRIC

6-GSP-9Ah

Gel Battery Specification

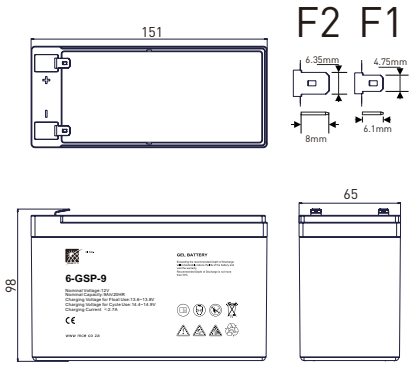


Features

- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapt to high or low temperature
- Good deep discharge performance
- Longer cycle life

Specification

Rated Voltage	12V
Numbers of cells	6 Cells
Capacity	9.0Ah@20hr-rate to 1.80V per cell @25°C
Weight	2.7kg
Internal Resistance	Approx. 23 m
Terminal	F1 / F2
Max. Discharge Current	135A(5s)
Short Circuit Current	450A
Max. Charging Current	2.7A
Reference Capacity	C20 9.0AH C5 8.3AH C1 5.89AH
Design Life	6~8 years
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -20mV/°C/Cell
Cycle Use Voltage	14.4 V~14.9 V @ 25°C Temperature Compensation: -30mV/°C/Cell
Operating Temperature Range	Discharge: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~40°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Length	151±2mm (5.9 inches)
Width	65±1mm (2.6 inches)
Height	94±1mm (3.7 inches)
Total Height	98 ±1mm (3.9 inches)

Constant Current Discharge Characteristics: A(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	25.60	18.70	14.60	12.40	9.56	6.94	5.63	2.50	1.66	0.93	0.450
1.75V/cell	28.80	20.50	16.00	13.30	9.92	7.20	5.89	2.55	1.70	0.96	0.505
1.70V/cell	31.70	22.40	17.10	14.00	10.30	7.49	6.08	2.62	1.74	0.97	0.514
1.65V/cell	35.00	24.20	18.10	14.90	10.90	7.68	6.22	2.73	1.79	0.99	0.521
1.60V/cell	38.60	26.20	19.40	15.80	11.50	8.00	6.28	2.82	1.85	1.01	0.524

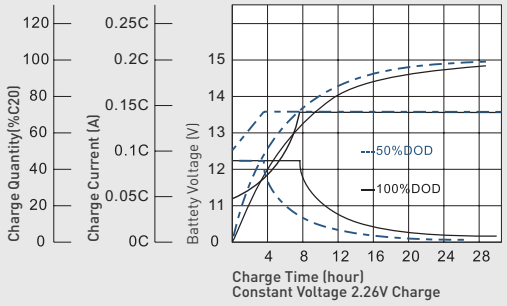
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	46.20	34.10	26.90	23.00	17.90	13.20	10.80	4.85	3.23	1.84	0.989
1.75V/cell	51.00	36.90	29.10	24.50	18.50	13.60	11.30	4.92	3.31	1.88	0.998
1.70V/cell	54.60	39.30	30.60	25.60	19.10	14.10	11.60	5.05	3.38	1.92	1.015
1.65V/cell	59.40	42.00	32.30	26.90	20.00	14.30	11.80	5.24	3.47	1.96	1.027
1.60V/cell	64.00	44.60	34.00	28.40	21.00	14.80	11.80	5.38	3.57	1.98	1.032

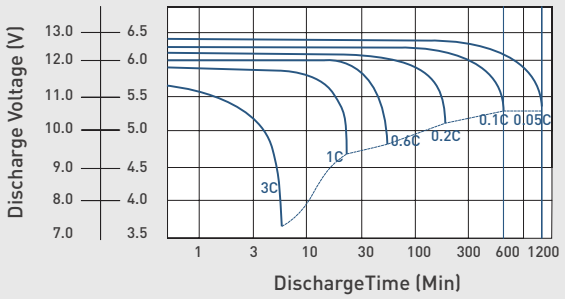
6-GSP-9Ah

Gel Battery Specification

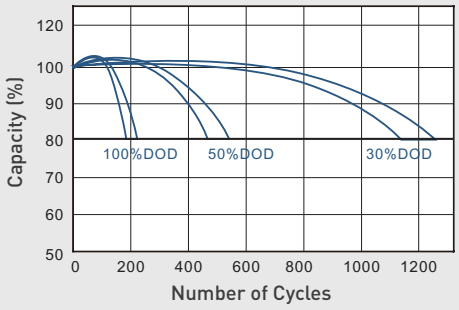
Charge Characteristics for Float Use @ 25°C/77°F



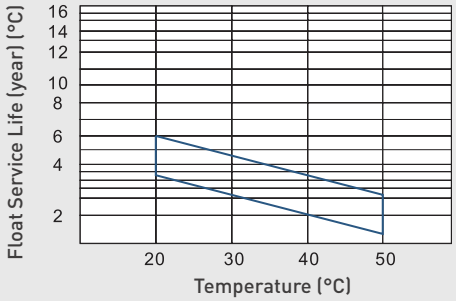
Discharge Characteristics at Various Rates @ 25°C/77°F



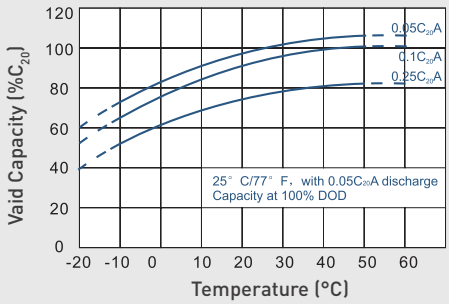
Cycle Life in Relation to Depth of Discharge



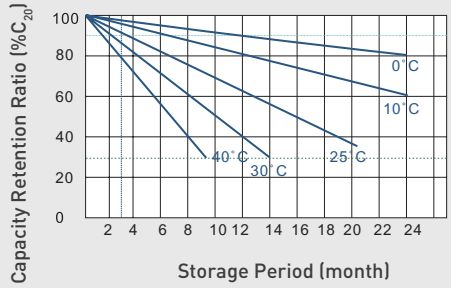
Float Service Life



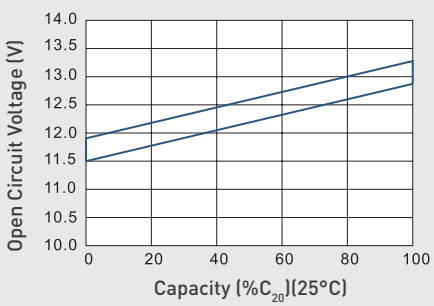
Temperature and Valid Capacity



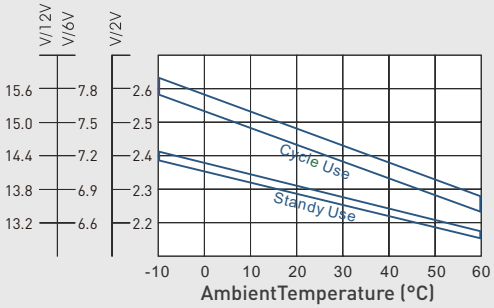
Self Discharge Charecteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage andTemperature



AC PROTECTION BOXES & COMBINER BOXES



AC INPUT & OUTPUT DISTRIBUTION BOARD

TO BE USED IN CONJUNCTION WITH:
3KW 1 PHASE INVERTERS



PB-3

AC INPUT & OUTPUT PROTECTION BOX DATA SHEET	
Product Code	PB-3
MUNICIPAL FEED TO CHANGE OVER	
Max Operating AC Voltage	250 Vac
Max Current Mains Input Circuit Breaker to Change Over	40 A – 2 Pole
No of Poles for Changeover	2 Pole
Changeover Rated Voltage	400 Vac
Changeover Rated Current	40 A
Changeover Rated Impulse Withstand Voltage	4 KV
Front Operation with Three Stable Positions	I – O - II
Mains Indication light	Green - 240 Vac
INVERTER INPUT FEED FROM MUNICIPAL GRID	
Max Operating AC Voltage	230 Vac
Max Current Inverter Input Circuit Breaker	40 A – 2 Pole
Inverter input AC Surge Protection	Type 2
Nominal Discharge Current	5 KA
Maximum Discharge Current	10 KA
Voltage Protection Level	0.8 KV
Maximum Continuous Operating Voltage Uc	275 V
Min Required Inverter Input Cable Size	10mm²
INVERTER OUTPUT FEED	
Max Operating AC Voltage	230 Vac
Max Current Inverter Output Main Circuit Breaker	16 A – 2 Pole
Min Required Inverter Output Cable Size	2.5mm²
Inverter Indication Light	Red – 240 Vac
DISTRIBUTION BOARD	
Enclosure	PVC with Smokey Swing Door
IP Rating	IP 65
Double Insulated	YES
Dimension (L X W X D)	260(L) X 300(W) X 140(D)
Earth Bar	12 WAY
Neutral Bar	12 WAY
Installation Method	Wall Mounting
Operating Temperature	-20˚C to 80˚C

AC INPUT & OUTPUT DISTRIBUTION BOARD

TO BE USED IN CONJUNCTION WITH:
5KW 1 PHASE INVERTERS



PB-5

AC INPUT & OUTPUT PROTECTION BOX DATA SHEET	
Product Code	PB-5
MUNICIPAL FEED TO CHANGE OVER	
Max Operating AC Voltage	250 Vac
Max Current Mains Input Circuit Breaker to Change Over	40 A – 2 Pole
No of Poles for Changeover	2 Pole
Changeover Rated Voltage	400 Vac
Changeover Rated Current	40 A
Changeover Rated Impulse Withstand Voltage	4 KV
Front Operation with Three Stable Positions	I – O - II
Mains Indication light	Green - 240 Vac
INVERTER INPUT FEED FROM MUNICIPAL GRID	
Max Operating AC Voltage	230 Vac
Max Current Inverter Input Circuit Breaker	40 A – 2 Pole
Inverter input AC Surge Protection	Type 2
Nominal Discharge Current	5 KA
Maximum Discharge Current	10 KA
Voltage Protection Level	0.8 KV
Maximum Continuous Operating Voltage Uc	275 V
Min Required Inverter Input Cable Size	10mm²
INVERTER OUTPUT FEED	
Max Operating AC Voltage	230 Vac
Max Current Inverter Output Main Circuit Breaker	25 A – 2 Pole
Min Required Inverter Output Cable Size	4mm²
Inverter Indication Light	Red – 240 Vac
DISTRIBUTION BOARD	
Enclosure	PVC with Smokey Swing Door
IP Rating	IP 65
Double Insulated	YES
Dimension (L X W X D)	260(L) X 300(W) X 140(D)
Earth Bar	12 WAY
Neutral Bar	12 WAY
Installation Method	Wall Mounting
Operating Temperature	-20˚C to 80˚C

AC INPUT & OUTPUT DISTRIBUTION BOARD

TO BE USED IN CONJUNCTION WITH:
6KW 1 PHASE INVERTERS



PB-6

AC INPUT & OUTPUT PROTECTION BOX DATA SHEET	
Product Code	PB6
MUNICIPAL FEED TO CHANGE OVER	
Max Operating AC Voltage	250 Vac
Max Current Mains Input Circuit Breaker to Change Over	40 A – 2 Pole
No of Poles for Changeover	2 Pole
Changeover Rated Voltage	400 Vac
Changeover Rated Current	40 A
Changeover Rated Impulse Withstand Voltage	4 KV
Front Operation with Three Stable Positions	I – O - II
Mains Indication light	Green - 240 Vac
INVERTER INPUT FEED FROM MUNICIPAL GRID	
Max Operating AC Voltage	230 Vac
Max Current Inverter Input Circuit Breaker	40 A – 2 Pole
Inverter input AC Surge Protection	Type 2
Nominal Discharge Current	5 KA
Maximum Discharge Current	10 KA
Voltage Protection Level	0.8 KV
Maximum Continuous Operating Voltage Uc	275 V
Min Required Inverter Input Cable Size	10mm²
INVERTER OUTPUT FEED	
Max Operating AC Voltage	230 Vac
Max Current Inverter Output Main Circuit Breaker	32 A – 2 Pole
Min Required Inverter Output Cable Size	6mm²
Inverter Indication Light	Red – 240 Vac
DISTRIBUTION BOARD	
Enclosure	PVC with Smokey Swing Door
IP Rating	IP 65
Double Insulated	YES
Dimension (L X W X D)	260(L) X 300(W) X 140(D)
Earth Bar	12 WAY
Neutral Bar	12 WAY
Installation Method	Wall Mounting
Operating Temperature	-20˚C to 80˚C

AC INPUT & OUTPUT DISTRIBUTION BOARD

TO BE USED IN CONJUNCTION WITH:
10KW 1 PHASE INVERTERS &
11KW 1 PHASE INVERTERS



PB10-1

AC INPUT & OUTPUT PROTECTION BOX DATA SHEET	
Product Code	PB-10-1
MUNICIPAL FEED TO CHANGE OVER	
Max Operating AC Voltage	250 Vac
Max Current Mains Input Circuit Breaker to Change Over	63 A – 2 Pole
No of Poles for Changeover	2 Pole
Changeover Rated Voltage	400 Vac
Changeover Rated Current	63 A
Changeover Rated Impulse Withstand Voltage	4 KV
Front Operation with Three Stable Positions	I – O - II
Mains Indication light	Green - 240 Vac
INVERTER INPUT FEED FROM MUNICIPAL GRID	
Max Operating AC Voltage	230 Vac
Max Current Inverter Input Circuit Breaker	63 A – 2 Pole
Inverter input AC Surge Protection	Type 2
Nominal Discharge Current	5 KA
Maximum Discharge Current	10 KA
Voltage Protection Level	0.8 KV
Maximum Continuous Operating Voltage Uc	275 V
Min Required Inverter Input Cable Size	10mm²
INVERTER OUTPUT FEED	
Max Operating AC Voltage	230 Vac
Max Current Inverter Output Main Circuit Breaker	50 A – 2 Pole
Min Required Inverter Output Cable Size	10mm²
Inverter Indication Light	Red – 240 Vac
DISTRIBUTION BOARD	
Enclosure	PVC with Smokey Swing Door
IP Rating	IP 65
Double Insulated	YES
Dimension (L X W X D)	285(L) X 410(W) X 140(D)
Earth Bar	18 WAY
Neutral Bar	18 WAY
Installation Method	Wall Mounting
Operating Temperature	-20˚C to 80˚C

AC INPUT & OUTPUT DISTRIBUTION BOARD

TO BE USED IN CONJUNCTION WITH:
10KW 3 PHASE INVERTERS



PB10-3

AC INPUT & OUTPUT PROTECTION BOX DATA SHEET	
Product Code	PB10-3
MUNICIPAL FEED TO CHANGE OVER	
Max Operating AC Voltage	415 Vac
Max Current Mains Input Circuit Breaker to Change Over	40 A – 3 Pole
No of Poles for Changeover	3 Pole
Changeover Rated Voltage	400 Vac
Changeover Rated Current	40 A
Changeover Rated Impulse Withstand Voltage	4 KV
Front Operation with Three Stable Positions	I – O - II
Mains Indication light	R, W, B - 415 Vac
INVERTER INPUT FEED FROM MUNICIPAL GRID	
Max Operating AC Voltage	415 Vac
Max Current Inverter Input Circuit Breaker	40 A – 2 Pole
Inverter input AC Surge Protection	Type 2
Nominal Discharge Current	20 KA
Maximum Discharge Current	40 KA
Voltage Protection Level	≤1.2 KV
Maximum Continuous Operating Voltage Uc	275 V
Min Required Inverter Input Cable Size	10mm²
INVERTER OUTPUT FEED	
Max Operating AC Voltage	415 Vac
Max Current Inverter Output Main Circuit Breaker	25 A – 3 Pole
Min Required Inverter Output Cable Size	6mm²
Inverter Indication Light	R, W, B – 415 Vac
DISTRIBUTION BOARD	
Enclosure	PVC with Smokey Swing Door
IP Rating	IP 65
Double Insulated	YES
Dimension (L X W X D)	285(L) X 410(W) X 140(D)
Earth Bar	18 WAY
Neutral Bar	18 WAY
Installation Method	Wall Mounting
Operating Temperature	-20˚C to 80˚C

AC INPUT & OUTPUT DISTRIBUTION BOARD

TO BE USED IN CONJUNCTION WITH:
12KW 3 PHASE INVERTERS



PB-12

AC INPUT & OUTPUT PROTECTION BOX DATA SHEET	
Product Code	PB12
MUNICIPAL FEED TO CHANGE OVER	
Max Operating AC Voltage	415 Vac
Max Current Mains Input Circuit Breaker to Change Over	40 A – 3 Pole
No of Poles for Changeover	3 Pole
Changeover Rated Voltage	400 Vac
Changeover Rated Current	40 A
Changeover Rated Impulse Withstand Voltage	4 KV
Front Operation with Three Stable Positions	I – O - II
Mains Indication light	R, W, B - 415 Vac
INVERTER INPUT FEED FROM MUNICIPAL GRID	
Max Operating AC Voltage	415 Vac
Max Current Inverter Input Circuit Breaker	40 A – 2 Pole
Inverter input AC Surge Protection	Type 2
Nominal Discharge Current	20 KA
Maximum Discharge Current	40 KA
Voltage Protection Level	≤1.2 KV
Maximum Continuous Operating Voltage Uc	275 V
Min Required Inverter Input Cable Size	10mm²
INVERTER OUTPUT FEED	
Max Operating AC Voltage	415 Vac
Max Current Inverter Output Main Circuit Breaker	20 A – 3 Pole
Min Required Inverter Output Cable Size	10mm²
Inverter Indication Light	R, W, B – 415 Vac
DISTRIBUTION BOARD	
Enclosure	PVC with Smokey Swing Door
IP Rating	IP 65
Double Insulated	YES
Dimension (L X W X D)	285(L) X 410(W) X 140(D)
Earth Bar	18 WAY
Neutral Bar	18 WAY
Installation Method	Wall Mounting
Operating Temperature	-20˚C to 80˚C

All Combiner Boxes have Breather Valves fitted to ensure good heat Dissipation in the unit.

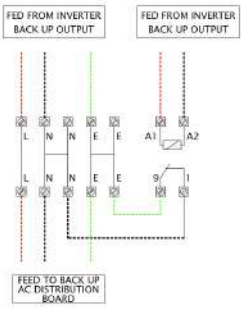
EARTH/NEUTRAL BRIDGE BOX



ENBB-25

EARTH AND NEUTRAL BRIDGE BOX TECHNICAL DATA SHEET	
Product Code	**ENBB-25**
Max Operating Voltage	230 Vac
Max Inverter Output Current (Back Up)	25 A
Enclosure Door	Smokey Grey
IP Rating	IP65
Double Insulated	YES
Dimensions	210(L) X 140(W) X 100(D)
UV Protection	YES
Halogen Free	YES
Resistance to Impact	IK08
Glow Wire Resistance – Enclosure Only	650°C
Operating Temperature	-10°C TO +40°C
Relay Coil Voltage	230 Vac
Relay Contact Rating	10 A – AC
Contact Configuration	1 X N/O & 1 X N/C
Replaceable Relay	YES

WIRING DIAGRAM



COMBINER BOX WITH 1 IN & 1 OUT



CB1-1

Description	No of Input	No of Output	MPPT	Max Voltage	Max Current
1 In 1 Out 15 A 1000V DC Pre-Wired Combiner Box	1	1	1	1000 VDC	15 A

Switch Disconnector	ODD32D4
Maximum Output Switch Current	32A
No of Pole	4
Rated Insulation Voltage (Ui)	1000V DC
Rated Current (Ie)	15 A
Rated Impulse Withstand Voltage	8 KV
Standard Compliance	IEC 60947-3

Fuse Disconnector	KCF2-25-1
Rated Voltage of Fuse (Ue)	1000V DC
Rated Current of Fuse (Ie)	15 A
Fuse Size	10 X 38mm
Rated Breaking Capacity	25kA
Class of Operation	gPV
Standard Compliance	IEC 60947, IEC 60269

Surge Arrester	BY7-40/2-1000DC
Classification	Type 2
Max Operation Voltage (Ucpv)	1000V DC
Max Discharge Current (Imax)	40 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating	500A
Voltage Protection Level	4,5kV
Standard Compliance	UI1449, IEC50539

Enclosure	DB-8W-P-S65
No of Module	8 WAY
Material	PVC
Protection Degree	IP65
Dimension (mm)	210 (L) X 215 (W) X 100 (D)
String Entry	MC4 Connectors
Mains Exit	MC4 Connectors
PV Cable Wiring Size	6 mm

All Combiner Boxes have Breather Valves fitted to ensure good heat Dissipation in the unit.

COMBINER BOX WITH 2 IN & 1 OUT



CB2-1

Description	No of Input	No of Output	MPPT	Max Voltage	Max Current
2 In 1 Out 15 A 1000V DC Pre-Wired Combiner Box	2	1	1	1000 VDC	15 A

Switch Disconnector	ODD32D4
Maximum Output Switch Current	32A
No of Pole	4
Rated Insulation Voltage (Ui)	1000V DC
Rated Current (Ie)	15 A
Rated Impulse Withstand Voltage	8 KV
Standard Compliance	IEC 60947-3

Fuse Disconnector	KCF2-25-1
Rated Voltage of Fuse (Ue)	1000V DC
Rated Current of Fuse (Ie)	15 A
Fuse Size	10 X 38mm
Rated Breaking Capacity	25kA
Class of Operation	gPV
Standard Compliance	IEC 60947, IEC 60269

Surge Arrester	BY7-40/2-1000DC
Classification	Type 2
Max Operation Voltage (Ucpv)	1000V DC
Max Discharge Current (Imax)	40 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating	500A
Voltage Protection Level	4,5kV
Standard Compliance	UI1449, IEC50539

Enclosure	DB-12W-P-S65
No of Module	12 WAY
Material	PVC
Protection Degree	IP65
Dimension (mm)	260 (L) X 300 (W) X 140 (D)
String Entry	MC4 Connectors
Mains Exit	MC4 Connectors
PV Cable Wiring Size	6 mm

COMBINER BOX WITH 2 IN & 2 OUT



CB2-2

Description	No of Input	No of Output	MPPT	Max Voltage	Max Current
2 In 2 Out 15 A 1000V DC Pre-Wired Combiner Box	2	2	2	1000 VDC	15 A

Switch Disconnector	ODD32D4
Maximum Output Switch Current	32A
No of Pole	4
Rated Insulation Voltage (Ui)	1000V DC
Rated Current (Ie)	15 A
Rated Impulse Withstand Voltage	8 KV
Standard Compliance	IEC 60947-3

Fuse Disconnector	KCF2-25-1
Rated Voltage of Fuse (Ue)	1000V DC
Rated Current of Fuse (Ie)	15 A
Fuse Size	10 X 38mm
Rated Breaking Capacity	25kA
Class of Operation	gPV
Standard Compliance	IEC 60947, IEC 60269

Surge Arrester	BY7-40/2-1000DC
Classification	Type 2
Max Operation Voltage (Ucpv)	1000V DC
Max Discharge Current (Imax)	40 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating	500A
Voltage Protection Level	4,5kV
Standard Compliance	UI1449, IEC50539

Enclosure	DB-18W-P-S65
No of Module	18 WAY
Material	PVC
Protection Degree	IP65
Dimension (mm)	285 (L) X 410 (W) X 140 (D)
String Entry	MC4 Connectors
Mains Exit	MC4 Connectors
PV Cable Wiring Size	6 mm

All Combiner Boxes have Breather Valves fitted to ensure good heat Dissipation in the unit.

COMBINER BOX WITH 3 IN & 3 OUT



CB3-3

Description	No of Input	No of Output	MPPT	Max Voltage	Max Current
3 In 3 Out 15 A 1000V DC Pre-Wired Combiner Box	3	3	3	1000 VDC	15 A

Switch Disconnector	ODD32D4
Maximum Output Switch Current	32A
No of Pole	4
Rated Insulation Voltage (Ui)	1000V DC
Rated Current (Ie)	15 A
Rated Impulse Withstand Voltage	8 KV
Standard Compliance	IEC 60947-3

Fuse Disconnector	KCF2-25-1
Rated Voltage of Fuse (Ue)	1000V DC
Rated Current of Fuse (Ie)	15 A
Fuse Size	10 X 38mm
Rated Breaking Capacity	25kA
Class of Operation	gPV
Standard Compliance	IEC 60947, IEC 60269

Surge Arrester	BY7-40/2-1000DC
Classification	Type 2
Max Operation Voltage (Ucpv)	1000V DC
Max Discharge Current (Imax)	40 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating	500A
Voltage Protection Level	4,5kV
Standard Compliance	UI1449, IEC50539

Enclosure	DB-36W-P-S65
No of Module	36 WAY
Material	PVC
Protection Degree	IP41
Dimension (mm)	630 (L) X 355 (W) X 165 (D)
PV Cable Wiring Size	6 mm

Excludes MC4 panel mount connectors. String input directly on fuse holder & String Output directly from Isolator.

COMBINER BOX WITH 4 IN & 1 OUT



CB4-1

Description	No of Input	No of Output	MPPT	Max Voltage	Max Current
4 In 1 Out 15 A 1000V DC Pre-Wired Combiner Box	4	1	1	1000 VDC	15 A

DC Circuit Breaker	KCD6-463
Maximum Output Current	63A
No of Pole	4
Rated Insulation Voltage (Ui)	1000V DC
Rated Short Circuit Breaking Capacity	10 kA
Rated Impulse Withstand Voltage	6 KV
Standard Compliance	IEC 60947-2

Fuse Disconnector	KCF2-25-1
Rated Voltage of Fuse (Ue)	1000V DC
Rated Current of Fuse (Ie)	15 A
Fuse Size	10 X 38mm
Rated Breaking Capacity	25kA
Class of Operation	gPV
Standard Compliance	IEC 60947, IEC 60269

Surge Arrester	BY7-40/2-1000DC
Classification	Type 2
Max Operation Voltage (Ucpv)	1000V DC
Max Discharge Current (Imax)	40 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating	500A
Voltage Protection Level	4,5kV
Standard Compliance	UI1449, IEC50539

Enclosure	DB-18W-P-S65
No of Module	18 WAY
Material	PVC
Protection Degree	IP65
Dimension (mm)	285 (L) X 410 (W) X 140 (D)
String Entry	MC4 Connectors
Mains Exit	MC4 Connectors
PV Cable Wiring Size	6 mm

All Combiner Boxes have Breather Valves fitted to ensure good heat Dissipation in the unit.

COMBINER BOX WITH 4 IN & 2 OUT



CB4-2

Description	No of Input	No of Output	MPPT	Max Voltage	Max Current
4 In 2 Out 15 A 1000V DC Pre-Wired Combiner Box	4	2	2	1000 VDC	15 A

Switch Disconnector	ODD32D4
Maximum Output Switch Current	32A
No of Pole	4
Rated Insulation Voltage (Ui)	1000V DC
Rated Current (Ie)	15 A
Rated Impulse Withstand Voltage	8 KV
Standard Compliance	IEC 60947-3

Fuse Disconnector	KCF2-25-1
Rated Voltage of Fuse (Ue)	1000V DC
Rated Current of Fuse (Ie)	15 A
Fuse Size	10 X 38mm
Rated Breaking Capacity	25kA
Class of Operation	gPV
Standard Compliance	IEC 60947, IEC 60269

Surge Arrester	BY7-40/2-1000DC
Classification	Type 2
Max Operation Voltage (Ucpv)	1000V DC
Max Discharge Current (Imax)	40 kA
Nominal Discharge Current (In)	20 kA
Short Circuit Current Rating	500A
Voltage Protection Level	4,5kV
Standard Compliance	UI1449, IEC50539

Enclosure	DB-24W-P-S65
No of Module	24 WAY
Material	PVC
Protection Degree	IP65
Dimension (mm)	300 (L) X 415 (W) X 140 (D)
String Entry	MC4 Connectors
Mains Exit	MC4 Connectors
PV Cable Wire Size	6 mm



IN-LINE



OC4C-1500-6
IP67 Connector 1500VDC Max 40A, 4/6mm², 16kV Impulse Withstand Voltage, V-0/5VA Flame Class & Safety Class 2
Sold In Packs Of 10



PV-ONBC2-FM
IP67 2 Branch Cable: 1 Female 2 Male, Main Cable: 60cm, Branch Cable: 10cm, Pin: 4mm, 1500VDC 30A, Safety Class 2



PV-ONBC2-MF
IP67 2 Branch Cable: 1 Male 2 Female, Main Cable: 60cm, Branch Cable: 10cm, Pin: 4mm, 1500VDC 30A, Safety Class 2

FUSED IN-LINE



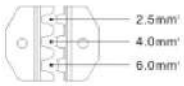
ONCTF-4C
IP68 Fused Connector 1000VDC Max 20A, 6mm², 8kV Impulse Withstand Voltage, V-0/5VA Flame Class & Safety Class 2



S002 WIRE STRIPPER
For wire size: 2,5mm-6mm



P003 INSULATED SOLAR SYSTEM CRIMPING PLIERS
For wire size: 2,5mm; 4mm; 6mm





T001-002 SOLAR SPANNER
Single Solar Spanner For Series 4.0 Connectors



DB-BV
Breather Valve For Combiner Boxes



DB-PV LABEL BOOK
Photovoltaic System Labels



scan for tutorial

FIREBALL EXTINGUISHER

F360

- 3-7 Seconds Automatic Activation When In Contact With A Naked Flame
- Covers an area from 9 up to 12sqm
- Multi-Purpose Fire Protection - Class A, B and C

Suitable for use in the kitchen, garages, storage rooms, strong rooms, sheds etc.

NB: MCE Fireballs are NOT recommended for use with Class D Combustible metal fires eg Lithium battery fires.

Solar PV Fuse Holder - For Ceramic Fuses

Product Image	Part Number	Poles	Amps	Rated Voltage
	**PVH1-FH**	1P	250A	1000VDC
	PVH2-FH	1P	400A	1000VDC
	PVH3-FH	1P	630A	1000VDC

Solar PV Fuse - Ceramic Fuse

Product Image	Part Number	Description	Amps	Rated Voltage
	**PVH1-50**	PV Fuse	50A	1000VDC
	PVH1-63	PV Fuse	63A	1000VDC
	PVH1-80	PV Fuse	80A	1000VDC
	PVH1-100	PV Fuse	100A	1000VDC
	PVH1-125	PV Fuse	125A	1000VDC
	PVH1-160	PV Fuse	160A	1000VDC
	PVH2-200	PV Fuse	200A	1000VDC
	PVH2-250	PV Fuse	250A	1000VDC
	PVH3-315	PV Fuse	315A	1000VDC
	PVH3-400	PV Fuse	400A	1000VDC
	PVH3-500	PV Fuse	500A	1000VDC
	PVH3-630	PV Fuse	630A	1000VDC



FUSE PULLER

PV1-FP Fuse Puller For The PVH1-FH/PVH2-FH/PVH3-FH Fuse Holders Only

Solar PV System Protection PVH Series Fuse Link

Type	Rated Voltage(V)	Rated current(A)	Dimensions(mm)							Wiring diagram
			A	B	C	D	E	F	G	
PVH1	DC1000	50,63,80,100,125 & 160	135	75	46	6	46	61	20	Fig.1
PVH2	DC1000	200 & 250	150	75	58	6	58	73	25	Fig.1
PVH3	DC1000	315,400,500 & 630	150	75	69	6	69	83	32	Fig.1

Solar PV System Protection PVH Series Fuse base

Type	Rated Voltage(V)	Class rating(A)	Dimensions(mm)									Wiring diagram
			A	B	C	D	E	F	G	H	K	
PVH1	DC1000	50-160	200	175	25	12	50	35	83	80	30	Fig.2
PVH2	DC1000	200-250	225	200	25	12	50	35	85	80	30	Fig.2
PVH3	DC1000	315-630	240	210	25	12	50	35	88	80	30	Fig.3

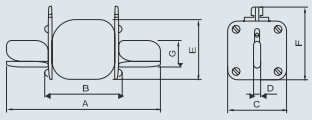


Fig.1

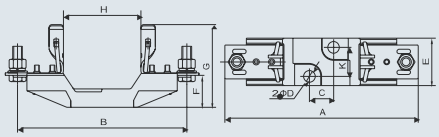


Fig.2

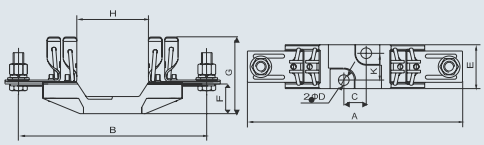


Fig.3

Battery Fuse Switch Disconnectors - Connectable

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage
	**SPH9-160-DC**	160A	1P	Ue AC400V/DC250V AC-23B DC-21B
	SPH9-160/3-DC	160A	3P	Ue AC400V/DC250V AC-23B DC-21B

Battery Fuse Switch Disconnectors

Product Image	Part Number	Suitable Fuse Amperage	Poles	Rated Voltage
	**SPH1-250-DC**	250A	2P	Ue AC400V/DC440V AC-23B DC-21B
	SPH1-2500/3-DC	250A	3P	Ue AC400V/DC440V AC-23B DC-21B

Battery Fuses

Product Image	Part Number	Amperage	Fuse Type	Rated Voltage
	**NH00-125A-DC**	125A	DC Fuse (**gG** Type)	250VDC~100kA 500VAC~120kA
	NH00-160A-DC	160A	DC Fuse (**gG** Type)	250VDC~100kA 500VAC~120kA
	NH1-250A-DC	250A	DC Fuse (**gG** Type)	440VDC~100kA 500VAC~120kA

IMPORTANT:

The Fuse Holder Must Be Firmly Affixed To The Wall or Any Other Immovable Object With A Suitable Fastner (8x80 Fischer Plug x 2) Before The Fuse Is Inserted.

ONESTO®

CEE INDUSTRIAL PLUGS & SOCKETS



ONESTO®

Quality has a name!

CEE INDUSTRIAL PRODUCTS

- IP44 and IP67
- Cable entry: Screw type - can be tightened by hand.
- Material: Engineering plastic
- Standards: IEC 60309-1; IEC 60309-2

Plug Tops

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS013**	16A	3Pin	IP44	230V	Male Plug Top
	OS0131	16A	3Pin	IP67	230V	Male Plug Top
	OS014	16A	4Pin	IP44	415V	Male Plug Top
	OS0141	16A	4Pin	IP67	415V	Male Plug Top
	OS015	16A	5Pin	IP44	415V	Male Plug Top
	OS0151	16A	5Pin	IP67	415V	Male Plug Top

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS023**	32A	3Pin	IP44	230V	Male Plug Top
	OS0231	32A	3Pin	IP67	230V	Male Plug Top
	OS024	32A	4Pin	IP44	415V	Male Plug Top
	OS0241	32A	4Pin	IP67	415V	Male Plug Top
	**OS0241-3**	32A	4Pin 3Hr	IP67	415V	Male Plug Top
	OS025	32A	5Pin	IP44	415V	Male Plug Top
	OS0251	32A	5Pin	IP67	415V	Male Plug Top

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS0331**	63A	3Pin	IP67	230V	Male Plug Top
	OS0341	63A	4Pin	IP67	415V	Male Plug Top
	OS0351	63A	5Pin	IP67	415V	Male Plug Top
	**OS0431**	125A	3Pin	IP67	230V	Male Plug Top
	OS0441	125A	4Pin	IP67	415V	Male Plug Top
	OS0451	125A	5Pin	IP67	415V	Male Plug Top

- IP44 and IP67
- Cable entry: Screw type - can be tightened by hand.
- Material: Engineering plastic
- Standards: IEC 60309-1; IEC 60309-2

Couplers

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS213**	16A	3Pin	IP44	230V	Coupler
	OS2131	16A	3Pin	IP67	230V	Coupler
	OS214	16A	4Pin	IP44	415V	Coupler
	OS2141	16A	4Pin	IP67	415V	Coupler
	OS215	16A	5Pin	IP44	415V	Coupler
	OS2151	16A	5Pin	IP67	415V	Coupler

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS223**	32A	3Pin	IP44	230V	Coupler
	OS2231	32A	3Pin	IP67	230V	Coupler
	OS224	32A	4Pin	IP44	415V	Coupler
	OS2241	32A	4Pin	IP67	415V	Coupler
	OS2241-3	32A	4Pin 3Hr	IP67	415V	Coupler
	OS225	32A	5Pin	IP44	415V	Coupler
	OS2251	32A	5Pin	IP67	415V	Coupler

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS2331**	63A	3Pin	IP67	230V	Coupler
	OS2341	63A	4Pin	IP67	415V	Coupler
	OS2351	63A	5Pin	IP67	415V	Coupler
	OS2431	125A	3Pin	IP67	230V	Coupler
	OS2241	125A	4Pin	IP67	415V	Coupler
	OS2451	125A	5Pin	IP67	415V	Coupler

• Standards: IEC 60309-1; IEC 60309-2

Plug Top & Coupler

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS017**	16A	7Pin	IP44	415V	Male Plug Top
	OS217	16A	7Pin	IP44	415V	Coupler

Unswitched Socket & Appliance Inlet

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS117**	16A	7Pin	IP44	415V	Unswitched Socket
	OS517	16A	7Pin	IP44	415V	Appliance Inlet

Phase Inverter Plug Tops

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS715**	16A	3P+N+E	IP44	415V	Plug
	OS7151	16A	3P+N+E	IP67	415V	With
	OS725	32A	3P+N+E	IP44	415V	Phase
	OS7251	32A	3P+N+E	IP67	415V	Inverter

Multi Outlets

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS10131**	16A	2P+E	IP67	230V	Multi Outlet
	OS10141	63A	3P+E	IP67	415V	Multi Outlet
	OS10151	63A	3P+N+E	IP67	415V	Multi Outlet
	OS10231	32A	2P+E	IP67	230V	Multi Outlet
	OS10241	32A	3P+E	IP67	415V	Multi Outlet

• Standards: IEC 60309-1; IEC 60309-2

Sockets - Panel Mount With Flange

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS313**	16A	3Pin	IP44	230V	Panel Socket
	OS3131	16A	3Pin	IP67	230V	Panel Socket
	OS314	16A	4Pin	IP44	415V	Panel Socket
	OS3141	16A	4Pin	IP67	415V	Panel Socket
	OS315	16A	5Pin	IP44	415V	Panel Socket
	OS3151	16A	5Pin	IP67	415V	Panel Socket

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS323**	32A	3Pin	IP44	230V	Panel Socket
	OS3231	32A	3Pin	IP67	230V	Panel Socket
	OS324	32A	4Pin	IP44	415V	Panel Socket
	OS3241	32A	4Pin	IP67	415V	Panel Socket
	OS325	32A	5Pin	IP44	415V	Panel Socket
	OS3251	32A	5Pin	IP67	415V	Panel Socket

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS3331**	63A	3Pin	IP67	230V	Panel Socket
	OS3341	63A	4Pin	IP67	415V	Panel Socket
	OS3351	63A	5Pin	IP67	415V	Panel Socket
	OS3431	125A	3Pin	IP67	230V	Panel Socket
	OS3441	125A	4Pin	IP67	415V	Panel Socket
	OS3451	125A	5Pin	IP67	415V	Panel Socket

• Standards: IEC 60309-1; IEC 60309-2

Unswitched Socket Outlets - Surface Mount With Flange

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS113**	16A	3Pin	IP44	230V	Socket Oulet
	OS1131	16A	3Pin	IP67	415V	Socket Oulet
	OS114	16A	4Pin	IP44	415V	Socket Oulet
	OS1141	16A	4Pin	IP67	415V	Socket Oulet
	OS115	16A	5Pin	IP44	415V	Socket Oulet
	OS1151	16A	5Pin	IP67	415V	Socket Oulet

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS123**	32A	3Pin	IP44	230V	Socket Oulet
	OS1231	32A	3Pin	IP67	415V	Socket Oulet
	OS124	32A	4Pin	IP44	415V	Socket Oulet
	OS1241	32A	4Pin	IP67	415V	Socket Oulet
	OS125	32A	5Pin	IP44	415V	Socket Oulet
	OS1251	32A	5Pin	IP67	415V	Socket Oulet

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**OS1331**	63A	3Pin	IP67	230V	Socket Oulet
	OS1341	63A	4Pin	IP67	415V	Socket Oulet
	OS1351	63A	5Pin	IP67	415V	Socket Oulet
	OS1431	125A	3Pin	IP67	230V	Socket Oulet
	OS1441	125A	4Pin	IP67	415V	Socket Oulet
	OS1451	125A	5Pin	IP67	415V	Socket Oulet

- Material: Engineering plastic
- Impact resistant
- Interlock for safety. Plug must be inserted before turning switch on.
- Pre-formed threaded holes with blanking plugs.
- Standards: IEC 60309-1; IEC 60309-2

Switched Socket Outlets With Interlock - Surface Mount With Flange

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**163044**	16A	3 Pin	IP44	230V	Switched Socket
	164044	16A	4Pin	IP44	415V	Switched Socket
	165044	16A	5Pin	IP44	415V	Switched Socket
	323044	32A	3Pin	IP44	230V	Switched Socket
	324044	32A	4Pin	IP44	415V	Switched Socket
	325044	32A	5Pin	IP44	415V	Switched Socket

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**163067**	16A	3 Pin	IP67	230V	Switched Socket
	164067	16A	4Pin	IP67	415V	Switched Socket
	165067	16A	5Pin	IP67	415V	Switched Socket
	323067	32A	3Pin	IP67	230V	Switched Socket
	324067	32A	3Pin	IP67	415V	Switched Socket
	324067-3	32A	4Pin 3Hr	IP67	415V	Switched Socket
	325067	32A	5Pin	IP67	415V	Switched Socket

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**633067**	63A	3Pin	IP67	230V	Switched Socket
	634067	63A	4Pin	IP67	415V	Switched Socket
	635067	63A	5Pin	IP67	415V	Switched Socket

Plug Tops





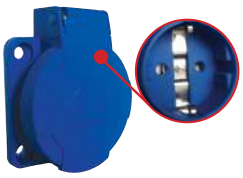
Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	9213 013	16A	3Pin	IP44	230V	Male Plug Top
	9214 014	16A	4Pin	IP44	415V	Male Plug Top
	9215 015	16A	5Pin	IP44	415V	Male Plug Top
	9413 023	32A	3Pin	IP44	230V	Male Plug Top
	9414 024	32A	4Pin	IP44	415V	Male Plug Top
	9415 025	32A	5Pin	IP44	415V	Male Plug Top

Couplers



Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	9223	16A	3Pin	IP44	230V	Coupler
	9224	16A	4Pin	IP44	415V	Coupler
	9225	16A	5Pin	IP44	415V	Coupler
	9523	32A	3Pin	IP44	230V	Coupler
	9524	32A	4Pin	IP44	415V	Coupler
	9525	32A	5Pin	IP44	415V	Coupler

SCHUKO PLUG TOP, COUPLER & SOCKET - (Straight Panel Mount with Flange) - Export Only!



9212SS

16A 2 Pin IP44

Schuko Panel

Socket

230V



9212SP

16A 2 Pin IP44

Schuko Plug Top

230V



9212SC

16A 2 Pin IP44

Schuko Coupler

230V

MINI CEE INDUSTRIAL SOCKET - 55 x 55



6001-M

16A 2P + E IP44 Straight CEE Socket

Panel Socket 230V

Appliance Inlets - Panel Mount

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**9812-X**	16A	3Pin	IP44	230V	Appliance Inlet
	9813-X	16A	4Pin	IP44	415V	Appliance Inlet
	9815-X	16A	5Pin	IP44	415V	Appliance Inlet
	9826-X	16A	3Pin	IP67	230V	Appliance Inlet
	9827-X	16A	4Pin	IP67	415V	Appliance Inlet
	9829-X	16A	5Pin	IP67	415V	Appliance Inlet

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**9817-X**	32A	3Pin	IP44	230V	Appliance Inlet
	9819-X	32A	4Pin	IP44	415V	Appliance Inlet
	9821-X	32A	5Pin	IP44	415V	Appliance Inlet
	9831-X	32A	3Pin	IP67	230V	Appliance Inlet
	9832-X	32A	4Pin	IP67	415V	Appliance Inlet
	9834-X	32A	5Pin	IP67	415V	Appliance Inlet

Product Image	Part Number	Current Rating	Pins	IP Rating	Voltage	Description
	**9836-X**	63A	3Pin	IP67	230V	Appliance Inlet
	9846-X	63A	4Pin	IP67	415V	Appliance Inlet
	9856-X	63A	5Pin	IP67	415V	Appliance Inlet
	9865-X	125A	3Pin	IP67	230V	Appliance Inlet
	9883-X	125A	4Pin	IP67	415V	Appliance Inlet
	9893-X	125A	5Pin	IP67	415V	Appliance Inlet

Appliance Inlets - Surface Mount



Part Number	Current Rating	Pins	IP Rating	Voltage	Description
513	16A	3Pin	IP44	230V	Appliance Inlet
514	16A	4Pin	IP44	415V	Appliance Inlet
515	16A	5Pin	IP44	415V	Appliance Inlet
513-X	16A	3Pin	IP67	230V	Appliance Inlet
514-X	16A	4Pin	IP67	415V	Appliance Inlet
515-X	16A	5Pin	IP67	415V	Appliance Inlet
523	32A	3Pin	IP44	230V	Appliance Inlet
524	32A	4Pin	IP44	415V	Appliance Inlet
525	32A	5Pin	IP44	415V	Appliance Inlet
523-X	32A	3Pin	IP67	230V	Appliance Inlet
524-X	32A	4Pin	IP67	415V	Appliance Inlet
524-X	32A	5Pin	IP67	415V	Appliance Inlet
533-X	63A	3Pin	IP67	230V	Appliance Inlet
534-X	63A	4Pin	IP67	415V	Appliance Inlet
534-X	63A	5Pin	IP67	415V	Appliance Inlet



PG GLANDS

CODE	COLOUR	CABLE DIAMETER	MOUNTING HOLE	INNER DIAMETER
PG21	White	13-18mm	29mm	22mm

ALL THE PRODUCT CODES ABOVE WITHOUT THE **"-X"** ARE TO BE USED WITH THE **PG21 GLAND** WHICH IS **SOLD SEPERATELY**.

Switched Sockets - Non Interlocked - Surface Mount



Part Number	Current Rating	Pins	IP Rating	Voltage	Description
316CEE	16A	3Pin	IP67	230V	Switched Socket
416CEE	16A	4Pin	IP67	415V	Switched Socket
516CEE	16A	5Pin	IP67	415V	Switched Socket
332CEE	32A	3Pin	IP67	230V	Switched Socket
432CEE	32A	4Pin	IP67	415V	Switched Socket
532CEE	32A	5Pin	IP67	415V	Switched Socket

Switched Sockets - Interlocked - Surface Mount



Part Number	Current Rating	Pins	IP Rating	Voltage	Description
316-I	16A	3Pin	IP44	230V	Switched Socket
416-I	16A	4Pin	IP44	415V	Switched Socket
516-I	16A	5Pin	IP44	415V	Switched Socket
323-I	32A	3Pin	IP44	230V	Switched Socket
324-I	32A	4Pin	IP44	415V	Switched Socket
325-I	32A	5Pin	IP44	415V	Switched Socket


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CIRCUIT BREAKERS

3kA C-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC3E-101**	1Amp	1P	3kA	C-Curve
	KC3E-102	2Amp			
	KC3E-103	3Amp			
	KC3E-104	4Amp			
	KC3E-106	6Amp			
	KC3E-110	10Amp			
	KC3E-116	16Amp			
	KC3E-120	20Amp			
	KC3E-125	25Amp			
	KC3E-132	32Amp			
	KC3E-140	40Amp			
	KC3E-150	50Amp			
	KC3E-163	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC3E-201**	1Amp	2P	3kA	C-Curve
	KC3E-202	2Amp			
	KC3E-203	3Amp			
	KC3E-204	4Amp			
	KC3E-206	6Amp			
	KC3E-210	10Amp			
	KC3E-216	16Amp			
	KC3E-220	20Amp			
	KC3E-225	25Amp			
	KC3E-232	32Amp			
	KC3E-240	40Amp			
	KC3E-250	50Amp			
	KC3E-263	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC3E-301**	1Amp	3P	3kA	C-Curve
	KC3E-302	2Amp			
	KC3E-303	3Amp			
	KC3E-304	4Amp			
	KC3E-306	6Amp			
	KC3E-310	10Amp			
	KC3E-316	16Amp			
	KC3E-320	20Amp			
	KC3E-325	25Amp			
	KC3E-332	32Amp			
	KC3E-340	40Amp			
	KC3E-350	50Amp			
	KC3E-363	63Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

3kA C-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC3E-401**	1Amp	4P	3kA	C-Curve
	KC3E-402	2Amp			
	KC3E-403	3Amp			
	KC3E-404	4Amp			
	KC3E-406	6Amp			
	KC3E-410	10Amp			
	KC3E-416	16Amp			
	KC3E-420	20Amp			
	KC3E-425	25Amp			
	KC3E-432	32Amp			
	KC3E-440	40Amp			
	KC3E-450	50Amp			
	KC3E-463	63Amp			

6kA C-Curve 1 Pole + Neutral Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KCN6-40-106**	6Amp	1P+N	6kA	C-Curve
	KCN6-40-110	10Amp			
	KCN6-40-116	16Amp			
	KCN6-40-120	20Amp			
	KCN6-40-125	25Amp			
	KCN6-40-132	32Amp			

6kA C-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC6-KU-101**	1Amp	1P	6kA	C-Curve
	KC6-KU-102	2Amp			
	KC6-KU-103	3Amp			
	KC6-KU-104	4Amp			
	KC6-KU-106	6Amp			
	KC6-KU-110	10Amp			
	KC6-KU-116	16Amp			
	KC6-KU-120	20Amp			
	KC6-KU-125	25Amp			
	KC6-KU-132	32Amp			
	KC6-KU-140	40Amp			
	KC6-KU-150	50Amp			
	KC6-KU-163	63Amp			
	KC6-125-180	80Amp			
	KC6-125-1100	100Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

6kA C-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC6-KU-201**	1Amp	2P	6kA	C-Curve
	KC6-KU-202	2Amp			
	KC6-KU-203	3Amp			
	KC6-KU-204	4Amp			
	KC6-KU-206	6Amp			
	KC6-KU-210	10Amp			
	KC6-KU-216	16Amp			
	KC6-KU-220	20Amp			
	KC6-KU-225	25Amp			
	KC6-KU-232	32Amp			
	KC6-KU-240	40Amp			
	KC6-KU-250	50Amp			
	KC6-KU-263	63Amp			
	KC6-125-280	80Amp			
	KC6-125-2100	100Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC6-KU-301**	1Amp	3P	6kA	C-Curve
	KC6-KU-302	2Amp			
	KC6-KU-303	3Amp			
	KC6-KU-304	4Amp			
	KC6-KU-306	6Amp			
	KC6-KU-310	10Amp			
	KC6-KU-316	16Amp			
	KC6-KU-320	20Amp			
	KC6-KU-325	25Amp			
	KC6-KU-332	32Amp			
	KC6-KU-340	40Amp			
	KC6-KU-350	50Amp			
	KC6-KU-363	63Amp			
	KC6-125-380	80Amp			
	KC6-125-3100	100Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC6-KU-401**	1Amp	4P	6kA	C-Curve
	KC6-KU-402	2Amp			
	KC6-KU-403	3Amp			
	KC6-KU-404	4Amp			
	KC6-KU-406	6Amp			
	KC6-KU-410	10Amp			
	KC6-KU-416	16Amp			
	KC6-KU-420	20Amp			
	KC6-KU-425	25Amp			
	KC6-KU-432	32Amp			
	KC6-KU-440	40Amp			
	KC6-KU-450	50Amp			
	KC6-KU-463	63Amp			
	KC6-125-480	80Amp			
	KC6-125-4100	100Amp			

10kA D-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC10-P-101**	1Amp	1P	10kA	D-Curve
	KC10-P-102	2Amp			
	KC10-P-103	3Amp			
	KC10-P-104	4Amp			
	KC10-P-106	6Amp			
	KC10-P-110	10Amp			
	KC10-P-116	16Amp			
	KC10-P-120	20Amp			
	KC10-P-125	25Amp			
	KC10-P-132	32Amp			
	KC10-P-140	40Amp			
	KC10-P-150	50Amp			
	KC10-P-163	63Amp			
	KC10-125-180	80Amp			
	KC10-125-1100	100Amp			
	KC10-125-1125	125Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC10-P-201**	1Amp	2P	10kA	D-Curve
	KC10-P-202	2Amp			
	KC10-P-203	3Amp			
	KC10-P-204	4Amp			
	KC10-P-206	6Amp			
	KC10-P-210	10Amp			
	KC10-P-216	16Amp			
	KC10-P-220	20Amp			
	KC10-P-225	25Amp			
	KC10-P-232	32Amp			
	KC10-P-240	40Amp			
	KC10-P-250	50Amp			
	KC10-P-263	63Amp			
	KC10-125-280	80Amp			
	KC10-125-2100	100Amp			
	KC10-125-2125	125Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

10kA D-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC10-P-301**	1Amp	3P	10kA	D-Curve
	KC10-P-302	2Amp			
	KC10-P-303	3Amp			
	KC10-P-304	4Amp			
	KC10-P-306	6Amp			
	KC10-P-310	10Amp			
	KC10-P-316	16Amp			
	KC10-P-320	20Amp			
	KC10-P-325	25Amp			
	KC10-P-332	32Amp			
	KC10-P-340	40Amp			
	KC10-P-350	50Amp			
	KC10-P-363	63Amp			
	KC10-125-380	80Amp			
	KC10-125-3100	100Amp			
	KC10-125-3125	125Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**KC10-P-401**	1Amp	4P	10kA	D-Curve
	KC10-P-402	2Amp			
	KC10-P-403	3Amp			
	KC10-P-404	4Amp			
	KC10-P-406	6Amp			
	KC10-P-410	10Amp			
	KC10-P-416	16Amp			
	KC10-P-420	20Amp			
	KC10-P-425	25Amp			
	KC10-P-432	32Amp			
	KC10-P-440	40Amp			
	KC10-P-450	50Amp			
	KC10-P-463	63Amp			
	KC10-125-480	80Amp			
	KC10-125-4100	100Amp			
	KC10-125-4125	125Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

Isolators (Switch Disconnectors)

Product Image	Part Number	Current Rating	Poles
	**KCM-N-132**	32Amp	1P
	KCM-N-163	63Amp	
	KCM-N-180	80Amp	
	KCM-N-1100	100Amp	
	KCM-N-1125	125Amp	

Product Image	Part Number	Current Rating	Poles
	**KCM-N-232**	32Amp	2P
	KCM-N-263	63Amp	
	KCM-N-280	80Amp	
	KCM-N-2100	100Amp	
	KCM-N-2125	125Amp	

Product Image	Part Number	Current Rating	Poles
	**KCM-N-332**	32Amp	3P
	KCM-N-363	63Amp	
	KCM-N-380	80Amp	
	KCM-N-3100	100Amp	
	KCM-N-3125	125Amp	

Product Image	Part Number	Current Rating	Poles
	**KCM-N-432**	32Amp	4P
	KCM-N-463	63Amp	
	KCM-N-480	80Amp	
	KCM-N-4100	100Amp	
	KCM-N-4125	125Amp	

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

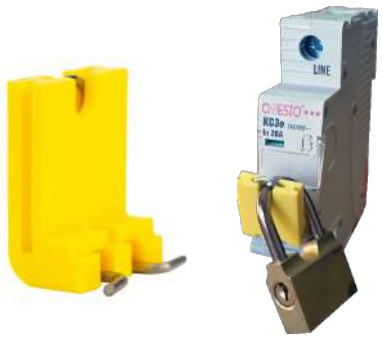
- SABS in accordance to IEC 60947-3; 60947-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

- SABS in accordance to IEC 60947-2
- Voltage rating 240/415V - 50/60Hz

Isolators (Switch Disconnectors) Single Body

Product Image	Part Number	Current Rating	Poles
	**KCM-T-232-SB**	32Amp	1P

Circuit Breaker Latch

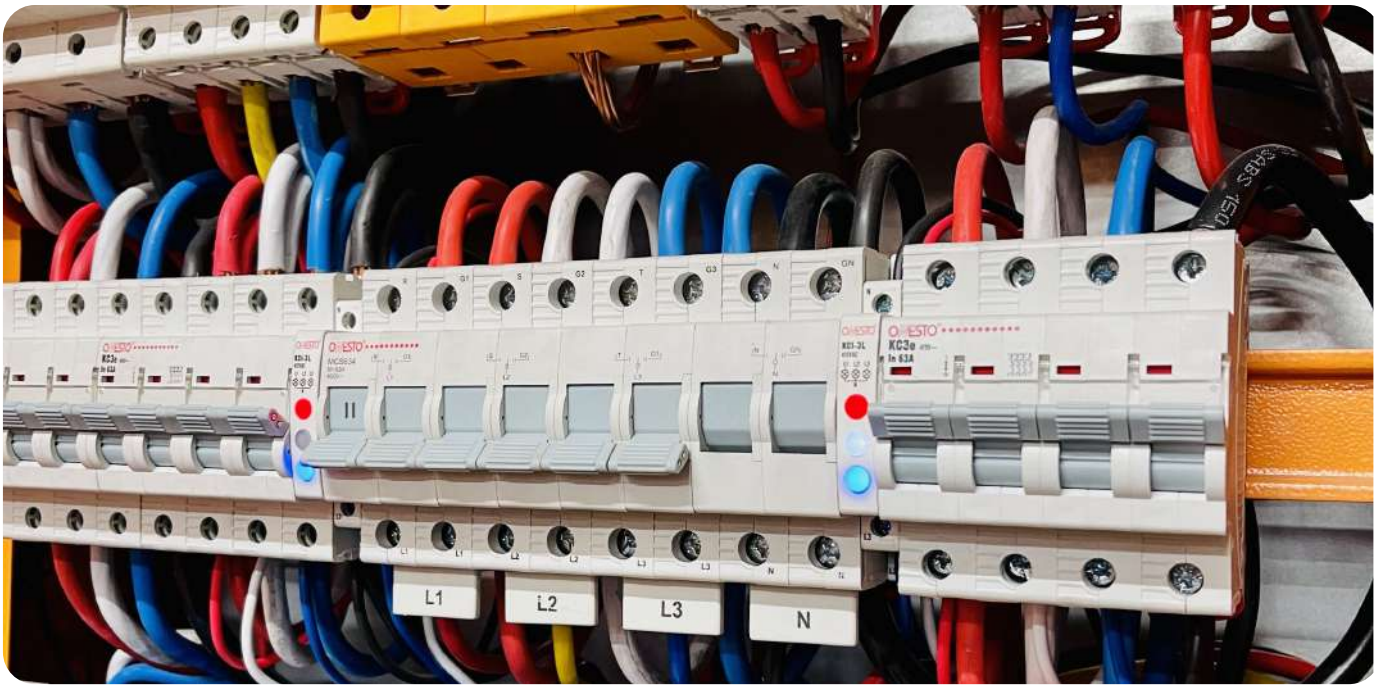


CIRCUIT BREAKER LATCH

KC-PD

To fit all Onesto MCB's & isolators

Lock not supplied





AUXILIARY CONTACT - 1 NO/1 NC AUXILIARY

Part Number	Description	Auxiliary	Rated Voltage
AX	Auxilary Contact	1 NO/1 NC	240V

Function: Indicates the contact position of the MCB, Whether it was tripped manually or by a fault.

ALARM CONTACT - 1 NO/1 NC AUXILIARY

AL	Auxilary Contact	1 NO/1 NC	240V

Function: Indicates tripping of the MCB when caused by a fault, Do not use for manual operation. The signal can be activated by the test button.









SHUNT TRIPS

Part Number	Description	Auxiliary	Rated Voltage
ST230	Shunt Trip	-	110-400VAC/ 110-130VDC
31912	Shunt Trip	-	24-60VDC

Function: Remote tripping of MCB.

SHUNT TRIPS - WITH 1 NO/ 1 NC AUXILIARY CONTACT

STX230	Shunt Trip	1 NO/1 NC	110-400VAC/ 110-130VDC
STX24	Shunt Trip	1 NO/1 NC	24-60VDC

Function: Remote tripping of the MCB, With an indication of the contact position.

OVERVOLTAGE RELEASE - SINGLE PHASE

OVR	Overvoltage Release	-	230VAC

Function: Trips the MCB when overvoltage threshold value is achieved.

UNDERVOLTAGE RELEASE - SINGLE PHASE

UVR	Undervoltage Release	-	230VAC

Function: Trips the MCB when undervoltage threshold value is achieved.

OVERVOLTAGE & UNDERVOLTAGE RELEASE - SINGLE PHASE & THREE PHASE

DVR1	Over/Undervoltage Release - Single Phase	230VAC
DVR3	Over/Undervoltage Release - Three Phase	380VAC

Function: Trips the MCB in the case of either undervoltage or overvoltage threshhold value being achieved.

6kA DC Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	DC Rating
	**KCD6-110**	10Amp	1P	6kA	125/250VDC
	KCD6-116	16Amp			
	KCD6-120	20Amp			
	KCD6-125	25Amp			
	KCD6-132	32Amp			
	KCD6-140	40Amp			
	KCD6-150	50Amp			
	KCD6-163	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	DC Rating
	**KCD6-210**	10Amp	2P	6kA	250/500VDC
	KCD6-216	16Amp			
	KCD6-220	20Amp			
	KCD6-225	25Amp			
	KCD6-232	32Amp			
	KCD6-240	40Amp			
	KCD6-250	50Amp			
	KCD6-263	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	DC Rating
	**KCD6-310**	10Amp	3P	6kA	660/750VDC
	KCD6-316	16Amp			
	KCD6-320	20Amp			
	KCD6-325	25Amp			
	KCD6-332	32Amp			
	KCD6-340	40Amp			
	KCD6-350	50Amp			
	KCD6-363	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	DC Rating
	**KCD6-410**	10Amp	4P	6kA	880/1000VDC
	KCD6-416	16Amp			
	KCD6-420	20Amp			
	KCD6-425	25Amp			
	KCD6-432	32Amp			
	KCD6-440	40Amp			
	KCD6-450	50Amp			
	KCD6-463	63Amp			

1 Pole MCB's - Carton = 120 units, Box = 12 | **2 Pole MCB's -** Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4 | **4 Pole MCB's -** Carton = 30 units, Box = 3

1 Pole + Neutral Earth Leakages - (With Overload)

Product Image	Part Number	Current Rating	Pole	kA Rating	Tripping Sensitivity
	**KRCS2-220**	20Amp	1P+N	6kA	30mA
	KRCS2-225	25Amp			
	KRCS2-232	32Amp			
	KRCS2-240	40Amp			

1 Pole + Neutral Earth Leakages - (No Overload)

Product Image	Part Number	Current Rating	Pole	kA Rating	Tripping Sensitivity
	**KRC3-225**	25Amp	1P+N	6kA	30mA
	KRC3-240	40Amp			
	KRC3-263	63Amp			
	KRC3-280	80Amp			

3 Pole + Neutral Earth Leakages - (No Overload)

Product Image	Part Number	Current Rating	Pole	kA Rating	Tripping Sensitivity
	**KRC3-425**	25Amp	3P+N	6kA	30mA
	KRC3-440	40Amp			
	KRC3-463	63Amp			
	KRC3-480	80Amp			

2 Pole ELU - Carton = 60 units, Box = 6
4 Pole ELU - Carton = 30 units, Box = 1

ENERGY METERS



kWH Meters - Digital



kWh METERS - DIGITAL
DIN RAIL

DEM-015SJ

1 Phase 230VAC 50Hz
Digital
DIN RAIL
63A

NEW!



kWh METERS - DIGITAL
DIN RAIL + MINI RAIL MOUNT

KM4S100C-LCD

1 Phase 230V 50Hz
Digital
DIN RAIL & MINI RAIL
100A

NEW!



kWh METERS - DIGITAL
DIN RAIL + MINI RAIL MOUNT

KM7T100C-LCD

3 Phase 230/400V - 50Hz
Digital
DIN RAIL & MINI RAIL
100A



MECHANICAL BI-METAL THERMOSTATS



JWT6011R
1N/C (Red Dial); 60 x 33 x 43mm; IP20
Din Rail; 10A - 250VAC

MECHANICAL BI-METAL THERMOSTATS



JWT6011F
1N/O (Blue Dial); 60 x 33 x 43mm; IP20
Din Rail; 10A - 250VAC

MECHANICAL BI-METAL THERMOSTATS



JWT6012
1NO + 1 NC (Blue+Red Dial);
60 x 33 x 43mm; IP20
Din Rail; 10A - 250VAC

BELL TRANSFORMER



BT16
230V to 8/12/24V. 8VA - 2 Module

BELL



KB16
230V - 1 Module

INSULATED BUSBAR (PIN TYPE)



BP063/1
63A 1 Phase Insulated Busbar | 56 Way

BP063/3
63A 3 Phase Insulated Busbar | 18 Way

PUSHBUTTONS DIN RAIL MOUNT



KC-PB-RL RED Latching Pushbutton Din

KC-PB-G Green Non-Latching Pushbutton Din

KC-PB-R Red Non-Latching Pushbutton Din

1 Pole Pushbuttons - Carton = 120 units, Box = 12

LED INDICATOR - DIN RAIL (NEW SLIM DESIGN) 9MM WIDE



KCI-1L-G Green LED 230V

KCI-1L-R Red LED 230V

KCI-1L-Y Yellow LED 230V

KCI-1L-B Blue LED 230V

KCI-1L-W White LED 230V

KCI-3L-RWB Red, White & Blue LED 230V

1 PHASE DIRECT READING ENERGY METER - DIN RAIL MOUNT 18MM WIDE



KM1DS40

scan for tutorial

APPLICATIONS

Energy Management | Sub-item Metering | Power Monitoring

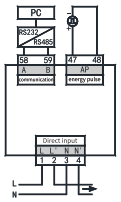
MAIN FEATURES

Measuring
-Direct measurement up to 40A

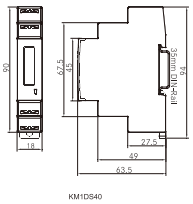
Communication
-Interface: RS485
-Protocol: Modbus-RTU

Energy Metering
-Bi-directional energy
-Tariff energy

TYPICAL WIRING



DIMENSIONS (mm)



KM1DS40

Model		KM1DS40
Wiring Method		Bottom Supply / Bottom Load
Accuracy		Class 1
Wiring		Single Phase 2 Wire
Voltage		230V
Current	Direct	5(40)A
Measuring	Voltage	■
	Current	■
	Power	■
	Power factor	■
	Frequency	■
Energy Metering	±kWh	■
	Tariffs	–/■
Width(mm)		18
Communication (Modbus-RTU)		■
Energy Pulse		■
Display Mode		LCD
Normal Voltage		230V
Frequency		50/60Hz
Voltage Range		0.8Un~1.2Un
Start Current Direct input		0.004Ib
Consumption		Voltage circuit<2VA; current circuit<0.1VA
Energy Pulse		1 output, pulse width (80±20%) ms
RTC Error		≤0.5s/day
Communication		RS485, Modbus-RTU, 2-wire, up to 9600bps
IP Degree		Front case: IP51, rear case: IP20
Operating Temperature		-25℃~55℃
Storage Temperature		-25℃~70℃
Relative Humidity		(5~95)%, no condensation

IEC 62053-21
IEC 62052-11

CAN BE USED AS A SECONDARY METER, ON EV CHARGING & SOLAR ESS APPLICATIONS.

1 PHASE DIRECT READING ENERGY METER - DIN RAIL MOUNT 36MM WIDE



KM2DS63

scan for tutorial

APPLICATIONS

Energy Management | Sub-item Metering | Power Monitoring

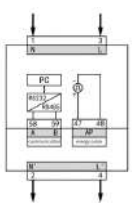
MAIN FEATURES

Measuring
-Direct measurement up to 63A

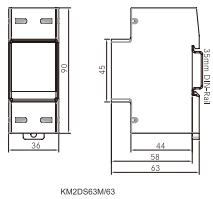
Communication
-Interface: RS485
-Protocol: Modbus-RTU

Energy Metering
-Bi-directional energy
-Tariff energy

TYPICAL WIRING



DIMENSIONS (mm)



KM2DS63M/63

Model		KM2DS63
Wiring Method		Top Supply / Bottom Load
Accuracy		Class B
Wiring		Single Phase 2 Wire
Voltage		230V
Current Direct		5(63)A
Measuring	Voltage	■
	Current	■
	Power	■
	Power factor	■
	Frequency	■
Energy Metering	±kWh	■
	Tariffs	–/■
Width(mm)		36
Communication (Modbus-RTU)		■
Energy Pulse		■
Display Mode		LCD

NOTE:1/"■": Yes "–": No "□": Optional

IEC 61010-2-030
IEC 61010-1

CAN BE USED AS A SECONDARY METER & ON SOLAR ESS APPLICATIONS

3 PHASE DIRECT READING ENERGY METER - DIN RAIL MOUNT 72MM WIDE



KM4DS63

scan for tutorial

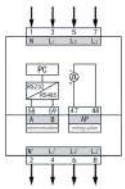
APPLICATIONS



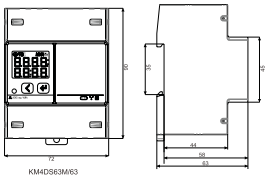
MAIN FEATURES

- Measuring: -Direct measurement up to 63A
- Communication: -Interface: RS485 -Protocol: Modbus-RTU
- Energy Metering: -Bi-directional energy -Tariff energy

TYPICAL WIRING



DIMENSIONS (mm)



Model		KM4DS63
Wiring Method		Top Supply / Bottom Load
Accuracy		Class B
Wiring		Three Phase 4 Wire
Voltage		3X230/400V
Current Direct		5(63)A
Measuring	Voltage	■
	Current	■
	Power	■
	Power factor	■
	Frequency	■
Energy Metering	±kWh	■
	Tariffs	–/■
Width(mm)		72
Communication (Modbus-RTU)		■
Energy Pulse		■
Display Mode		LCD

NOTE:1."■": Yes "–": No "□": Optional

IEC 61010-2-030
IEC 61010-1

CAN BE USED AS A SECONDARY METER & ON SOLAR ESS APPLICATIONS

MCE-238-VAP Multi-Functional Digital Protective Device - DIN RAIL + MINI RAIL MOUNT



MCE238-VAP

scan for tutorial

This Is A Single Phase Multi-Functional Digital Protective Device Which Gives Protection & Monitoring.

Protection :

- Over and Under Voltage Adjustable 85V-300V
- Over Current Adjustable 1A-80A
- All Protection Functions Have Adjustable Timers to Give Complete Control.
- LED Indication For Easy Fault Identification.

Password Enabled

Monitoring :

- Voltage (V), Current (A), Wattage (W) and KWH (6 digit, Bi-directional).
- Bi-Directional to Monitor Supply From Power Networks or Back Into Power Network From Solar Panels.
- All This In A Standalone Unit (no need for a separate contactor).
- Compact Enough to Fit In A Standard Din Rail DB.

MCE338-VAP Three Phase 400V/230V Multi-Functional Digital Protection Device - DIN RAIL



MCE338-VAP

This Is A Three Phase Multi-Functional Digital Protection Device Which Provides Protection & Monitoring.

Protection :

- Over voltage protection.
- Undervoltage protection.
- Earth leakage protection.
- Cable over temperature protection.
- Overload protection.
- Phase failure protection.
- Fault alarm.

Monitoring :

- KWH (Bidirectional, 6 digit + 2 decimals)
- Voltage
- Current
- Leakage current
- Power
- Power factor
- Frequency
- Temperature.
- RS485 communication

scan for tutorial

MCE338-VAP is to be used in conjunction with a earth leakage unit.
PLEASE NOTE: This Unit is to be used as a secondary standalone protection unit only.



SURGE PROTECTION

ONESTO®
SURGE ARRESTORS

SURGE ARRESTORS

- **SABS in accordance to IEC 61643-11**

Surge Arrestor Cartridge Type

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY1-D**	320V		5kA/10kA
	BY1-C	275/320V	1P	20kA/40kA
	BY1-B	385V		40kA/80kA

Surge Arrestor Cartridge

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY1-D-C**	320V	1P	5kA/10kA

Surge Arrestors - Class II

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-10/1-275**	275V	1P	10kA
	BY7-10/1-385	385V		10kA
	BY7-40/1-275	275V		40kA
	BY7-40/1-385	385V		40kA

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-10/2-275**	275V	2P	10kA
	BY7-10/2-385	385V		10kA
	BY7-20/2-275T	275V		20kA
	BY7-20/2-385T	385V		20kA
	BY7-40/2-275	275V		40kA
	BY7-40/2-385	385V		40kA
	BY7-60/2-385T	385V		60kA
	BY7-80/2-385T	385V		80kA
	BY7-100/2-385T	385V		100kA

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-10/3-275**	275V	3P	10kA
	BY7-10/3-385	385V		10kA
	BY7-20/3-275T	275V		20kA
	BY7-20/3-385T	385V		20kA
	BY7-40/3-275	275V		40kA
	BY7-40/3-385	385V		40kA
	BY7-60/3-385T	385V		60kA
	BY7-80/3-385T	385V		80kA
	BY7-100/3-385T	385V		100kA

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-10/4-275**	275V	4P	10kA
	BY7-10/4-385	385V		10kA
	BY7-20/4-275T	275V		20kA
	BY7-20/4-385T	385V		20kA
	BY7-40/4-275	275V		40kA
	BY7-40/4-385	385V		40kA
	BY7-60/4-385T	385V		60kA
	BY7-80/4-385T	385V		80kA
	BY7-100/4-385T	385V		100kA

Surge Arrestor - Single Body - Class II

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY18-40/1+1**	275V	1P+NPE	40kA

Surge Arrestor - 2 Module - Class II

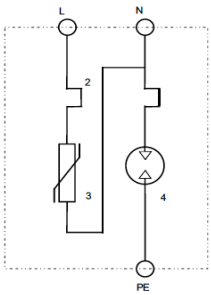
Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-20/1+1-275**	275V	1P+NPE	20kA
	BY7-20/1+1-385	385V		20kA
	BY7-40/1+1-275	275V		40kA
	BY7-40/1+1-385	385V		40kA

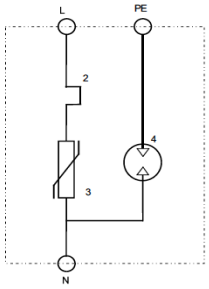
Technical Data

Model	BY18/1+1
Max.continuous operating voltage Uc	275V AC (L–N)，255V AC (N–PE)
Max.discharge current Imax(8/20μs)	40kA
Nominal discharge current In(8/20μs)	20kA
Voltage protection level Up	1.5kV
Combination method	1+1
Short circuit current rating Iscc	500 A
Status indicator	Green window:Functional / Red window:Failed
Output contact	C–NC:conduction / C–NO:Open
Wiring capacity	2.5mm ² (L–N), 4mm ² (N–PE)
Degree of protection (IP code)	IP 20
Power supply network	TN,TT
Installation method	35mm DIN rail
Ambient temperature	–40℃～+ 80℃
Ambient humidity	5%–95%
Altitude	< 2000m
Standard conformity	IEC61643–11:2011, EN61643–11:2012

Technical Data

Model		BY7–20/1+1	BY7–40/1+1
Maximum discharge current (8/20μs)	Imax	20kA	40kA
Norminal discharge current(8/20μs)	In	10kA	20kA
Maximum continuous voltage	Uc	275V AC (L–N)，255V AC (N–PE)	
Voltage protection level (L–N)	Up	2.0kV	
Combination method		1+1	
Short circuit current rating	Isccr	800A	
Status indicator		Green: Functional / Red: Failed	
Wiring capacity		4mm²~25mm²	
Degree of protection		IP20	
Power supply network		TN,TT	
Installation method		35mm DIN rail	
Ambient temperature		–40℃～+80℃	
Ambient humidity		5%–95%	
Altitude		≤2000m	
Housing material		PA66 UL94–V0	
Type classification		ClassII / Type 2	
Standard		IEC61643–11:2011, EN61643–11:2012	





1. Output contact, 2. Disconnector, 3. Metal Oxide Variant, 4. Gas Discharge Tubes

Surge Arrestor - Class II

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-20/3+1-275**	275V	3P+NPE	20kA
	BY7-20/3+1-385	385V		20kA
	BY7-40/3+1-275	275V		40kA
	BY7-40/3+1-385	385V		40kA

Technical Data

Model		BY7-20/3+1	BY7-40/3+1
Maximum discharge current (8/20μs)	Imax	20kA	40kA
Norminal discharge current(8/20μs)	In	10kA	20kA
Maximum continuous voltage	Uc	275V AC (L–N) , 255V AC (N–PE)	
Voltage protection level (L–N)	Up	2.0kV	
Combination method		3+1	
Short circuit current rating	Isccr	800A	
Status indicator		Green: Functional / Red: Failed	
Wiring capacity		$4mm^2$~$25mm^2$	
Degree of protection		IP20	
Power supply network		TN,TT	
Installation method		35mm DIN rail	
Ambient temperature		–40℃～+80℃	
Ambient humidity		5%–95%	
Aititude		≤2000m	
Housing material		PA66 UL94–V0	
Type classification		ClassII / Type 2	
Standard		IEC61643–11:2011, EN61643–11:2012	



- SABS in accordance to IEC 61643-31

DC Surge Arrestors - Class II

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-40/2-600DC**	600VDC	2P	40kA
	BY7-40/2-1000DC	1000VDC		40kA
	BY7-60/2-600DC	600VDC		60kA
	BY7-60/2-1000DC	1000VDC		60kA
	BY7-80/2-600DC	600VDC		80kA
	BY7-80/2-1000DC	1000VDC		80kA

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY7-40/3-600DC**	600VDC	3P	40kA
	BY7-40/3-1000DC	1000VDC		40kA
	BY7-60/3-600DC	600VDC		60kA
	BY7-60/3-1000DC	1000VDC		60kA
	BY7-80/3-600DC	600VDC		80kA
	BY7-80/3-1000DC	1000VDC		80kA





MODULAR CONTACTORS & STEP RELAYS

- UC - Control Voltage - 230V
- UE - Voltage Rating - 250V
- UI - Rated Insulation Voltage - 500V
- UIMP - Rated Impulse Withstand Voltage - 4kV
- Conforms To : IEC60947-5-1



18MM MODULAR CONTACTORS - 1 NO AUXILIARY - 1 POLE

Part Number	Current Rating AC-7a	Current Rating AC-7b	Auxiliary Contact	Operating Coil Voltage
12905	16A	6A	1 NO	230V
12911	20A	7A	1 NO	230V
12917	25A	9A	1 NO	230V

18MM MODULAR CONTACTORS - 2 NO AUXILIARY - 2 POLE

12927	16A	6A	2 NO	230V
12936	20A	7A	2 NO	230V
12945	25A	9A	2 NO	230V

18MM MODULAR CONTACTORS - 1 NO + 1NC AUXILIARY - 2 POLE

12928	16A	6A	1 NO + 1 NC	230V
12937	20A	7A	1 NO + 1 NC	230V
12946	25A	9A	1 NO + 1 NC	230V

18MM MODULAR CONTACTORS - 2 NC AUXILIARY - 2 POLE

12947	25A	9A	2 NC	230V



36MM MODULAR CONTACTORS - 3 NO AUXILIARY - 3 POLE

Part Number	Current Rating AC-7a	Current Rating AC-7b	Auxiliary Contact	Operating Coil Voltage
22905	16A	6A	3 NO	230V
22911	20A	7A	3 NO	230V
22917	25A	9A	3 NO	230V

36MM MODULAR CONTACTORS - 2 NO + 1 NC AUXILIARY - 3 POLE

22993	16A	6A	2 NO + 1 NC	230V
22996	20A	7A	2 NO + 1 NC	230V
22999	25A	9A	2 NO + 1 NC	230V

36MM MODULAR CONTACTORS - 4 NO AUXILIARY - 4 POLE

22929	16A	6A	4 NO	230V
22941	20A	7A	4 NO	230V
22953	25A	9A	4 NO	230V

36MM MODULAR CONTACTORS - 2 NO + 2 NC AUXILIARY - 4 POLE

22931	16A	6A	2 NO + 2 NC	230V
22943	20A	7A	2 NO + 2 NC	230V
22955	25A	9A	2 NO + 2 NC	230V

36MM MODULAR CONTACTORS - 3 NO + 1 NC AUXILIARY - 4 POLE

22932	16A	6A	3 NO + 1 NC	230V
22944	20A	7A	3 NO + 1 NC	230V
22956	25A	9A	3 NO + 1 NC	230V

These utilization catagories determine what load the contactors are switching:
AC-7a are for slightly inductive loads for household appliances for example mixers and blenders
AC-7b are for motor-loads for house hold appliances such as fans and central vacuums

- UC - Control Voltage - 230V
- UE - Voltage Rating - 250V
- UI - Rated Insulation Voltage - 500V
- UIMP - Rated Impulse Withstand Voltage - 4kV
- Conforms To : IEC60947-5-1



54MM MODULAR CONTACTORS - 4 NO AUXILIARY - 4 POLE

Part Number	Current Rating AC-7a	Current Rating AC-7b	Auxiliary Contact	Operating Coil Voltage
32929	32A	12A	4 NO	230V
32941	40A	18A	4 NO	230V
32953	63A	25A	4 NO	230V

54MM MODULAR CONTACTORS - 2 NO + 2 NC AUXILIARY - 4 POLE

32931	32A	12A	2 NO + 2 NC	230V
32943	40A	18A	2 NO + 2 NC	230V
32955	63A	25A	2 NO + 2 NC	230V

54MM MODULAR CONTACTORS - 3 NO + 1NC AUXILIARY - 4 POLE

32932	32A	12A	3 NO + 1 NC	230V
32944	40A	18A	3 NO + 1 NC	230V
32956	63A	25A	3 NO + 1 NC	230V



18MM MANUAL OVERIDE CONTACTORS - 2 NO AUXILIARY - 2 POLE

Part Number	Current Rating AC-7a	Current Rating AC-7b	Auxiliary Contact	Operating Coil Voltage
42927	16A	6A	2 NO	230V
42945	25A	9A	2 NO	230V

36MM MANUAL OVERIDE CONTACTORS - 2 NO AUXILIARY - 2 POLE

52967	32A	12A	2 NO	230V
52985	63A	25A	2 NO	230V

36MM MANUAL OVERIDE CONTACTORS - 4 NO AUXILIARY - 4 POLE

52933	20A	7A	4 NO	230V
52953	25A	9A	4 NO	230V

54MM MANUAL OVERIDE CONTACTORS - 4 NO AUXILIARY - 4 POLE

62941	40A	18A	4 NO	230V
62953	63A	25A	4 NO	230V



AUXILIARY FOR MODULAR CONTACTORS

Part Number	Current Rating	Auxiliary Contact	Operating Coil Voltage
MCTS	AC12 - 5A	1 NO + 1 NC	230V

These utilization catagories determine what load the contactors are switching:
AC-7a are for slightly inductive loads for household appliances for example mixers and blenders
AC-7b are for motor-loads for house hold appliances such as fans and central vacuums

- Conforms To : IEC60669-2-2
- Auto Off Switch For Test Purposes



1 MODULE STEP RELAY - 1 NO + 1 NC AUXILIARY

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Auxiliary Contact
27046	16A	12	6	1 NO + 1 NC
27047	16A	24	12	1 NO + 1 NC
27048	16A	48	24	1 NO + 1 NC
27049	16A	130	48	1 NO + 1 NC
27050	16A	230	110	1 NO + 1 NC



1 MODULE STEP RELAY - 2 NO AUXILIARY

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Auxiliary Contact
27051	16A	12	6	2 NO
27052	16A	24	12	2 NO
27053	16A	48	24	2 NO
27054	16A	130	48	2 NO
27055	16A	230	110	2 NO



1 MODULE STEP RELAY - 1 CHANGE OVER CONTACT

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Change Over Contacts
27056	16A	12	6	1 CO
27057	16A	24	12	1 CO
27058	16A	48	24	1 CO
27059	16A	130	48	1 CO
27060	16A	230	110	1 CO



2 MODULE STEP RELAY - 2 NO + 1 NC AUXILIARY

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Auxiliary Contact
27066	16A	12	6	2 NO + 1 NC
27067	16A	24	12	2 NO + 1 NC
27068	16A	48	24	2 NO + 1 NC
27069	16A	130	48	2 NO + 1 NC
27070	16A	230	110	2 NO + 1 NC



2 MODULE STEP RELAY - 3 NO + 1 NC AUXILIARY

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Auxiliary Contact
27076	16A	12	6	3 NO + 1 NC
27077	16A	24	12	3 NO + 1 NC
27078	16A	48	24	3 NO + 1 NC
27079	16A	130	48	3 NO + 1 NC
27080	16A	230	110	3 NO + 1 NC

- Conforms To : IEC60669-2-2
- Auto Off Switch For Test Purposes



2 MODULE STEP RELAY - 2 NO + 2 NC AUXILIARY

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Auxiliary Contact
27081	16A	12	6	2 NO + 2 NC
27082	16A	24	12	2 NO + 2 NC
27083	16A	48	24	2 NO + 2 NC
27084	16A	130	48	2 NO + 2 NC
27085	16A	230	110	2 NO + 2 NC



2 MODULE STEP RELAY - 2 CHANGE OVER CONTACT

Part Number	Current Rating Amps	Voltage VAC	Voltage VDC	Change Over Contacts
27086	16A	12	6	2 CO
27087	16A	24	12	2 CO
27088	16A	48	24	2 CO
27089	16A	130	48	2 CO
27090	16A	230	110	2 CO





CHANGEOVER SWITCHES
LOAD SHED RELAY & TIMERS

Change Over Switches

Product Image	Part Number	Current Rating	Poles
	**MCS40-2**	40Amp	2P
	MCS40-3	40Amp	3P
	MCS63-2	63Amp	2P
	MCS63-4	63Amp	4P

AUTOMATIC CHANGE OVER SWITCH (ACS) - DIN MOUNT

ACS-C2CM80



A Micro-processor controlled change over switch that automatically changes over to generator supply in the event of a power failure. A volt free signal is activated to engage the ignition circuit of the generator. On return of the main supply, the ACS will change back and de-activate the generator ignition signal.

Rated Current of the ACS on the mains side is 80Amp. Adjustable from 20% to 100%. Rated Current of the ACS on the generator side is 60Amp. Adjustable from 20% to 100%.

In the case of a overload condition the ACS will disconnect the load for ± 10 seconds as a warning of overload condition and reconnect the load. The user will then reduce the load by switching off the non-essential equipment.

The automatic overload warning will be repeated (5) five times and will then remain disconnected. Restoration of supply can be done by pressing the reset button.

AVAILABLE IN 80A ONLY.

It is recommended that to connect the ACS with its Preset current Matching Onesto MCB/RCBO as well as the correct Onesto Surge Protections Devices (SPD's). PLEASE NOTE: Using non Onesto MCB/RCBO and SPD's will nullify the warranty as Onesto cannot be held responsible for the quality of another manufacturers protection devices.



ELSR32 - 230VAC Electronic Load Shed Relay

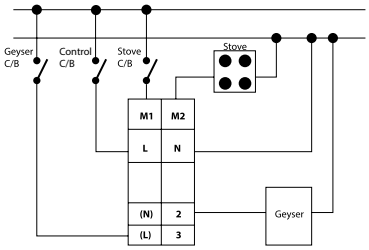


- 1 DIN Module width = 18mm wide, 58mm deep.
- Adjustable from 0,1 to 32A with internal current transformer. Should reference values higher than 32A be needed, an external measuring current transformer can be used.
- Off Delay setting: From 0 - 120 seconds
- Supply Voltage: 230VAC
- Rated switching capacity: 16A/250VAC
- Adjustment accuracy: ±5%
- Cuts down on domestic household electricity costs by turning off non-essential items.

ELSR32 1-32A Electronic Load Shed Relay DIN Mount

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Wiring Diagram



NEW!

20A 12VDC 7 Day Digital Electronic Time Switch - DIN RAIL & MINI RAIL MOUNTING



TS20-12VDC
7 Day Digital Timer. 1NO & 1NC
Power Reserve: 150 Hours.
Min. Switching time: 1min.
*For Solar or Low DC Voltage installations
Switching Contacts: 1 changeover.
Amperage: **20A@12VDC** (resistive)
Dual Mounting: Din Rail & Mini Rail Mount
1 Channel 16 On & 16 Off Operations.
18 Pulse and countdown functions.
LCD Display

For Solar Applications

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- SABS in accordance to IEC 60947-5-1
- Voltage Rating 220/250VAC - 50/60Hz

NEW!

20A 7 Day Digital Electronic Time Switch - DIN RAIL & MINI RAIL MOUNTING



TS20
7 Day Digital Timer. 1NO & 1NC
Power Reserve: 150 Hours.
Min. Switching time: 1min.
*Suitable for schools/factories using pulse setting program.
Minimum 1 sec.
Switching Contacts: 1 changeover.
Amperage: **20A@250V** (resistive).
Dual Mounting: Din Rail & Mini Rail Mount
1 Channel 16 On & 16 Off Operations.
18 Pulse and countdown functions.
LCD Display

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- SABS in accordance to IEC 60947-5-1
- Voltage Rating 220/250VAC - 50/60Hz

NEW!

30A 7 Day Digital Electronic Time Switch - DIN RAIL & MINI RAIL MOUNTING



TS30
7 Day Digital Timer. 1NO
Power Reserve: 150 Hours.
Min. Switching time: 1min.
*Suitable for schools/factories using pulse setting program.
Minimum 1 sec.
Switching Contacts: 1 changeover.
Amperage: **30A@250V** (resistive).
Dual Mounting: Din Rail & Mini Rail Mount
1 Channel 16 On & 16 Off Operations.
18 Pulse and countdown functions.
LCD Display

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- SABS in accordance to IEC 60947-5-1
- Voltage Rating 220/250VAC - 50/60Hz

SCHENKER®

MINI RAIL CIRCUIT BREAKERS & SURGE PROTECTION



3kA C-Curve 1 Pole + Neutral Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SMN13C3-106**	6Amp	1P+N	3kA	C-Curve
	SMN13C3-110	10Amp			
	SMN13C3-116	16Amp			
	SMN13C3-120	20Amp			
	SMN13C3-125	25Amp			
	SMN13C3-132	32Amp			

3kA C-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C3-101**	1Amp	1P	3kA	C-Curve
	SM13C3-102	2Amp			
	SM13C3-103	3Amp			
	SM13C3-104	4Amp			
	SM13C3-106	6Amp			
	SM13C3-110	10Amp			
	SM13C3-116	16Amp			
	SM13C3-120	20Amp			
	SM13C3-125	25Amp			
	SM13C3-132	32Amp			
	SM13C3-140	40Amp			
	SM13C3-150	50Amp			
	SM13C3-163	63Amp			

3kA C-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C3-201**	1Amp	2P	3kA	C-Curve
	SM13C3-202	2Amp			
	SM13C3-203	3Amp			
	SM13C3-204	4Amp			
	SM13C3-206	6Amp			
	SM13C3-210	10Amp			
	SM13C3-216	16Amp			
	SM13C3-220	20Amp			
	SM13C3-225	25Amp			
	SM13C3-232	32Amp			
	SM13C3-240	40Amp			
	SM13C3-250	50Amp			
	SM13C3-263	63Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

3kA C-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C3-301**	1Amp	3P	3kA	C-Curve
	SM13C3-302	2Amp			
	SM13C3-303	3Amp			
	SM13C3-304	4Amp			
	SM13C3-306	6Amp			
	SM13C3-310	10Amp			
	SM13C3-316	16Amp			
	SM13C3-320	20Amp			
	SM13C3-325	25Amp			
	SM13C3-332	32Amp			
	SM13C3-340	40Amp			
	SM13C3-350	50Amp			
	SM13C3-363	63Amp			

6kA C-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C6-101**	1Amp	1P	6kA	C-Curve
	SM13C6-102	2Amp			
	SM13C6-103	3Amp			
	SM13C6-104	4Amp			
	SM13C6-106	6Amp			
	SM13C6-110	10Amp			
	SM13C6-116	16Amp			
	SM13C6-120	20Amp			
	SM13C6-125	25Amp			
	SM13C6-132	32Amp			
	SM13C6-140	40Amp			
	SM13C6-150	50Amp			
	SM13C6-163	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C6-201**	1Amp	2P	6kA	C-Curve
	SM13C6-202	2Amp			
	SM13C6-203	3Amp			
	SM13C6-204	4Amp			
	SM13C6-206	6Amp			
	SM13C6-210	10Amp			
	SM13C6-216	16Amp			
	SM13C6-220	20Amp			
	SM13C6-225	25Amp			
	SM13C6-232	32Amp			
	SM13C6-240	40Amp			
	SM13C6-250	50Amp			
	SM13C6-263	63Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2; VC8036 & SANS556-1
- Voltage Rating 240/415VAC - 50/60Hz
- Suitable for domestic and commercial installations
- For protection and control of circuits against short circuits and overloads.

6kA C-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C6-301**	1Amp	3P	6kA	C-Curve
	SM13C6-302	2Amp			
	SM13C6-303	3Amp			
	SM13C6-304	4Amp			
	SM13C6-306	6Amp			
	SM13C6-310	10Amp			
	SM13C6-316	16Amp			
	SM13C6-320	20Amp			
	SM13C6-325	25Amp			
	SM13C6-332	32Amp			
	SM13C6-340	40Amp			
	SM13C6-350	50Amp			
	SM13C6-363	63Amp			

6kA D-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C6-106-D**	6Amp	1P	6kA	D-Curve
	SM13C6-110-D	10Amp			
	SM13C6-116-D	16Amp			
	SM13C6-120-D	20Amp			
	SM13C6-125-D	25Amp			
	SM13C6-132-D	32Amp			
	SM13C6-140-D	40Amp			
	SM13C6-150-D	50Amp			
	SM13C6-163-D	63Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C6-206-D**	6Amp	2P	6kA	D-Curve
	SM13C6-210-D	10Amp			
	SM13C6-216-D	16Amp			
	SM13C6-220-D	20Amp			
	SM13C6-225-D	25Amp			
	SM13C6-232-D	32Amp			
	SM13C6-240-D	40Amp			
	SM13C6-250-D	50Amp			
	SM13C6-263-D	63Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2; VC8036 & SANS556-1
- Voltage Rating 240/415VAC - 50/60Hz
- Suitable for domestic and commercial installations
- For protection and control of circuits against short circuits and overloads

6kA D-Curve 13mm Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM13C6-306-D**	6Amp	3P	6kA	D-Curve
	SM13C6-310-D	10Amp			
	SM13C6-316-D	16Amp			
	SM13C6-320-D	20Amp			
	SM13C6-325-D	25Amp			
	SM13C6-332-D	32Amp			
	SM13C6-340-D	40Amp			
	SM13C6-350-D	50Amp			
	SM13C6-363-D	63Amp			

10kA D-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM10-125-180-D**	80Amp	1P	10kA	D-Curve
	SM10-125-1100-D	100Amp			
	SM10-125-1125-D	125Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM10-125-280-D**	80Amp	2P	10kA	D-Curve
	SM10-125-2100-D	100Amp			
	SM10-125-2125-D	125Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads

10kA D-Curve Miniature Circuit Breakers

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM10-125-380-D**	80Amp	3P	10kA	D-Curve
	SM10-125-3100-D	100Amp			
	SM10-125-3125-D	125Amp			

Product Image	Part Number	Current Rating	Pole	kA Rating	Curve
	**SM10-125-480-D**	80Amp	4P	10kA	D-Curve
	SM10-125-4100-D	100Amp			
	SM10-125-4125-D	125Amp			

1 Pole MCB's - Carton = 120 units, Box = 12
2 Pole MCB's - Carton = 60 units, Box = 6
3 Pole MCB's - Carton = 40 units, Box = 4
4 Pole MCB's - Carton = 30 units, Box = 3

- SABS in accordance to IEC 60947-2, VC8036 & SANS556-1
- Voltage rating 240/415V - 50/60Hz
- Suitable for domestic and industrial installations
- For protection and control of circuits against short circuits and overloads



- SABS in accordance to SABS 767-1; VC8035
- Voltage Rating 240VAC - 50Hz

1 Pole + Neutral Earth Leakages - (No Overload)

Product Image	Part Number	Current Rating	Pole	kA Rating	Tripping Sensitivity
	**SMR6-225**	25Amp	1P+N	6kA	30mA
	SMR6-240	40Amp			
	SMR6-263	63Amp			
	SMR6-280	80Amp			

3 Pole + Neutral Earth Leakages - (No Overload)

Product Image	Part Number	Current Rating	Pole	kA Rating	Tripping Sensitivity
	**SMR6-425**	25Amp	3P+N	6kA	30mA
	SMR6-440	40Amp			
	SMR6-463	63Amp			
	SMR6-480	80Amp			

2 Pole SMR - Carton = 60 units, Box = 6
4 Pole SMR - Carton = 30 units, Box = 1

2 Pole SMI - Carton = 60 units, Box = 3
4 Pole SMI - Carton = 30 units, Box = 1

19mm 2 Pole Isolators

Product Image	Part Number	Current Rating	Poles
	**SMI-280**	80Amp	2P
	SMI-2100	100Amp	
	SMI-2125	125Amp	

19mm 4 Pole Isolators

Product Image	Part Number	Current Rating	Poles
	**SMI-480**	80Amp	4P
	SMI-4100	100Amp	
	SMI-4125	125Amp	

13mm
MINI RAIL ISOLATORS (SWITCH DISCONNECTORS)

- SABS in accordance to VC8035/SABS 767-1
- Voltage rating: 240/415V - 50Hz
- Suitable for domestic, commercial & industrial installations.

1 Pole Isolators - Carton = 120 units, Box = 12
2 Pole Isolators - Carton = 60 units, Box = 6
3 Pole Isolators - Carton = 40 units, Box = 4
4 Pole Isolators - Carton = 30 units, Box = 3

13mm 1 Pole Isolators

Product Image	Part Number	Current Rating	Poles
	**SMI13-132**	32Amp	1P
	SMI13-163	63Amp	

13mm 2 Pole Isolators

Product Image	Part Number	Current Rating	Poles
	**SMI13-232**	32Amp	2P
	SMI13-263	63Amp	

13mm 3 Pole Isolators

Product Image	Part Number	Current Rating	Poles
	**SMI13-332**	32Amp	3P
	SMI13-363	63Amp	
	SMI13-380	80Amp	
	SMI13-3100	100Amp	
	SMI13-3125	125Amp	

13mm 4 Pole Isolators

Product Image	Part Number	Current Rating	Poles
	**SMI13-463**	63Amp	4P

- Applications: Surge protection
- SABS in accordance to IEC 61643-11

Surge Arrestors - Class II

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY15-10/1-275**	275V	1P	10kA
	BY15-20/1-275	275V	1P	20kA
	BY15-40/1-275	275V	1P	40kA
	BY15-60/1-275	275V	1P	60kA

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY15-10/2-275**	275V	2P	10kA
	BY15-20/2-275	275V	2P	20kA
	BY15-40/2-275	275V	2P	40kA
	BY15-60/2-275	275V	2P	60kA

Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY15-10/3-275**	275V	3P	10kA
	BY15-20/3-275	275V	3P	20kA
	BY15-40/3-275	275V	3P	40kA
	BY15-60/3-275	275V	3P	60kA

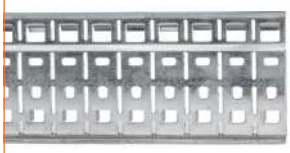
Product Image	Part Number	Uc Voltage	Pole	kA Rating
	**BY15-10/4-275**	275V	4P	10kA
	BY15-20/4-275	275V	4P	20kA
	BY15-40/4-275	275V	4P	40kA
	BY15-60/4-275	275V	4P	60kA

Steel Mini Rail Distribution Board - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**SCU4S**	1 Row 4 Way	White	260(L) x 145(W) x 70(D)
	SCU6S	1 Row 6 Way	White	260(L) x 170(W) x 70(D)
	SCU8S	1 Row 8 Way	White	260(L) x 198(W) x 70(D)
	SCU10S	1 Row 10 Way	White	260(L) x 225(W) x 70(D)
	SCU12S	1 Row 12 Way	White	260(L) x 250(W) x 70(D)
	SCU16S	1 Row 16 Way	White	260(L) x 300(W) x 70(D)
	SCU18S	1 Row 18 Way	White	260(L) x 365(W) x 70(D)
	SCU20S	1 Row 20 Way	White	260(L) x 255(W) x 70(D)
	Complete With Earth and Neutral Bar			

Steel Mini Rail Distribution Board - Flush Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**SCU4F**	1 Row 4 Way	White	300(L) x 200(W) x 66(D)
	SCU6F	1 Row 6 Way	White	300(L) x 230(W) x 66(D)
	SCU8F	1 Row 8 Way	White	300(L) x 255(W) x 66(D)
	SCU10F	1 Row 10 Way	White	300(L) x 280(W) x 66(D)
	SCU12F	1 Row 12 Way	White	300(L) x 305(W) x 66(D)
	SCU16F	1 Row 16 Way	White	300(L) x 355(W) x 76(D)
	SCU18F	1 Row 18 Way	White	300(L) x 385(W) x 76(D)
	SCU20F	1 Row 20 Way	White	300(L) x 410(W) x 76(D)
	Complete With Earth and Neutral Bar			



MINI RAIL FOR SCHENKER PRODUCTS

SMR

Galvanised Mini Rail - 1m length



BUSBAR FOR 13MM SCHENKER PRODUCTS

SBB-13-1 63A 1 Phase Busbar



NEUTRAL BAR

SMR-NB 9 Termination Points :
2 x 25mm & 7 x 6mm

READY BOARDS & SWIMMING POOL BOARDS



IP65 Plastic Distribution Board - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
 Complete With Earth and Neutral Bar	**WDB-4**	1 Row 4 Way	White	215(L) x 145(W) x 110(D)
	WDB-6	1 Row 6 Way	White	215(L) x 180(W) x 110(D)
	WDB-9	1 Row 9 Way	White	235(L) x 215(W) x 110(D)
	WDB-13	1 Row 13 Way	White	305(L) x 285(W) x 140(D)
	WDB-26	2 Row 13 Way	White	445(L) x 285(W) x 140(D)
	WDB-39	3 Row 13 Way	White	605(L) x 285(W) x 140(D)
	WDB-52	4 Row 13 Way	White	760(L) x 285(W) x 140(D)

LOCK FOR WDB DISTRIBUTION BOARDS



WDB-LOCK

Lock and keys for WDB'S

ADAPTORS AND SCUSSION



A & S

Din Conversion Clips (Converts existing Mini rail to Din)
(Packaged in packets of 20 -NOT sold loose.)

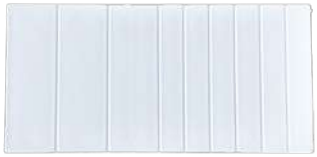
DISTRIBUTION BOARD LABEL BOOK

DB--LABELBOOK Self adhesive labels for the marking of DB's

DISTRIBUTION BOARD SCUSSION BLANKS

DB-001 Clip-in Blanking Strips - 1 way (Bag of 100)
DB-006 Clip-in Blanking Strips - 6 way









MODULAR SOCKETS (INTERCHANGEABLE)*

ONESTO MINI READY BOARDS

ORB-9WB

Hinged Ready Board + Switched Bulkhead + 3 x Plugs + 1 x KRC3-263 63A Earth Leakage + 2 x KC3-120 20A MCB's MODULAR SOCKETS (INTERCHANGEABLE)*
* Refer to page 188 for PCB Replacement Bulkhead

ORB-9W

Hinged Ready Board + 3 x Plugs + 1 x KRC3-263 63A Earth Leakage + 2 x KC3-120 20A MCB's



MODULAR SOCKETS (INTERCHANGEABLE)*

ONESTO MINI READY BOARDS

ORB-9WB-S001ZA

Hinged Ready Board + Switched Bulkhead + 2 x Single Switched Sockets + 1 x New ZA Socket + 1 x Schuko Socket +
1 x KRC3-263 63A Earth Leakage + 2 x KC3-120 20A MCB's
* Refer to page 188 for PCB Replacement Bulkhead

ORB-9W-S001ZA

Hinged Ready Board + 2 x Single Switched Sockets + 1 x New ZA Socket + 1 x Schuko Socket + 1 x KRC3-263 63A Earth Leakage +
2 x KC3-120 20A MCB's



MODULAR SOCKETS (INTERCHANGEABLE)*

ONESTO MINI READY BOARDS

ORB-9WB-3ZA

Hinged Ready Board + Switched Bulkhead + 2 x Single Switched Sockets + 3 x New ZA Sockets + 1 x KRC3-263 63A Earth Leakage
+ 2 x KC3-120 20A MCB's
* Refer to page 188 for PCB Replacement Bulkhead

ORB-9W-3ZA

Hinged Ready Board + 2 x Single Switched Sockets + 3 x New ZA Sockets + 1 x KRC3-263 63A Earth Leakage + 2 x KC3-120 20A MCB's



MODULAR SOCKETS (INTERCHANGEABLE)*

ONESTO MINI READY BOARDS

ORB-9WB-UZA

Hinged Ready Board + Switched Bulkhead + 2 x Single Switched Sockets + 1 x 5V 2A USB Socket + 2 x New ZA Sockets + 1 x KRC3-263 63A Earth Leakage + 2 x KC3-120 20A MCB's
* Refer to page 188 for PCB Replacement Bulkhead

ORB-9W-UZA

Hinged Ready Board + 2 x Single Switched Sockets + 2 x New ZA Sockets + 1 x 5V 2A USB Socket + 1 x KRC3-263 63A Earth Leakage +
2 x KC3-120 20A MCB's

SWIMMING POOL BOARDS - IP65



SPE-1
Hinged Weatherproof Lockable IP65 Board complete with:
Transformer,
Analogue Programmable Time Switch,
2 x 3kA MCB's, Isolator & Pre-moulded knockouts.
Size: 220(L) x 282(W) x 120(D)mm

PDB-9W 9 Way IP65 Empty Swimming Pool Board

SPE-1K Swimming Pool Board Spare Key.

scan for timer tutorial

NEW!

SWIMMING POOL BOARDS - IP65



SPE-1 TS
Hinged Weatherproof Lockable IP65 Board complete with:
Transformer,
30A Programmable Digital Time Switch,
2 x 3kA MCB's, Isolator &
Pre-moulded knockouts.
Size: 220(L) x 282(W) x 120(D)mm

scan for timer tutorial

SWIMMING POOL BOARDS - IP65



SPE-1LED
***Only for where LED light is being used. Max Load - 8W LED**
Hinged Weatherproof Lockable IP65 Board complete with:
Transformer,
Programmable Digital Time Switch,
2 x 3kA MCB's, Isolator & Pre-moulded knockouts.
Size: 170(L) x170(W) x70(D)mm (GR15062)

scan for timer tutorial

CARAVAN DISTRIBUTION BOARD - IP65



CDB-2

Hinged Weatherproof Lockable IP65 Board complete with:

Earth leakage, 2x 3kA MCB's.

2x 16A 3 Pin IP65 Sockets &

Pre-moulded knockouts.

Size: 220(L) x 282(W) x 120(D)mm

POLYCARBONATE BULKHEAD IP44



PCB

100(L) x 195(W) x 100(D)

IP44; Polycarbonate Bulkhead

* Can Be Fitted To Ready Boards & Swimming Pool Boards

SWIMMING POOL TRANFORMER



SPT

12V 125VA Swimming pool
Transformer.



DISTRIBUTION BOARDS



IP41 Plastic Distribution Board - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**DB-2W-P-S**	1 Row 2 Way	White	140(L) x 90(W) x 85(D)
	DB-4W-P-S	1 Row 4 Way	White	210(L) x 112(W) x 85(D)
	DB-6W-P-S	1 Row 6 Way	White	210(L) x 148(W) x 85(D)
	DB-8W-P-S	1 Row 8 Way	White	210(L) x 184(W) x 85(D)
	DB-10W-P-S	1 Row 10 Way	White	210(L) x 222(W) x 85(D)
	DB-12W-P-S	1 Row 12 Way	White	210(L) x 256(W) x 85(D)
	DB-15W-P-S	1 Row 15 Way	White	310(L) x 200(W) x 85(D)
	DB-18W-P-S	1 Row 18 Way	White	222(L) x 364(W) x 85(D)
	DB-24W-P-S	2 Row 12 Way	White	325(L) x 270(W) x 85(D)
	DB-36W-P-S	3 Row 12 Way	White	473(L) x 305(W) x 95(D)
Complete With Earth and Neutral Bar, Excluding 2 Way & 4 Way	**DB-45W-P-S**	3 Row 15 Way	White	473(L) x 326(W) x 95(D)

IP65 Plastic Distribution Board - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**DB-4W-P-S65**	1 Row 4 Way	White	210(L) x 140(W) x 100(D)
	DB-8W-P-S65	1 Row 8 Way	White	210(L) x 215(W) x 100(D)
	DB-12W-P-S65	1 Row 12 Way	White	260(L) x 300(W) x 140(D)
	DB-18W-P-S65	1 Row 18 Way	White	285(L) x 410(W) x 140(D)
	DB-24W-P-S65	2 Row 12 Way	White	300(L) x 415(W) x 140(D)
	NEW **DB-36W-P-S65**	3 Row 12 Way	White	650(L) x 335(W) x 145(D)
Complete With Earth and Neutral Bar	NEW **DB-54W-P-S65**	3 Row 15 Way	White	650(L) x 445(W) x 145(D)

IP41 Plastic Wall Tray Distribution Board - Flush Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**DB-6W-P-F**	1 Row 6 Way	White	200(L) x 150(W) x 66(D)
	DB-8W-P-F	1 Row 8 Way	White	200(L) x 184(W) x 66(D)
	DB-10W-P-F	1 Row 10 Way	White	200(L) x 222(W) x 66(D)
	DB-12W-P-F	1 Row 12 Way	White	200(L) x 256(W) x 66(D)
	DB-15W-P-F	1 Row 15 Way	White	200(L) x 310(W) x 66(D)
	DB-18W-P-F	1 Row 18 Way	White	220(L) x 365(W) x 76(D)
	DB-24W-P-F	2 Row 12 Way	White	340(L) x 365(W) x 76(D)
	DB-36W-P-F	3 Row 12 Way	White	440(L) x 255(W) x 76(D)
Complete With Earth and Neutral Bar	**DB-45W-P-F**	3 Row 15 Way	White	510(L) x 365(W) x 85(D)

IP41 Plastic Cover/ Steel Wall Tray Distribution Board - Flush Mounting

Product Image	Part Number	Description	Colours	Dimensions
	**DB-12W-S-F**	1 Row 12 Way	White	250(L) x 185(W) x 85(D)
	DB-15W-S-F	1 Row 15 Way	White	305(L) x 185(W) x 85(D)
	DB-18W-S-F	1 Row 18 Way	White	360(L) x 215(W) x 85(D)
	DB-24W-S-F	2 Row 12 Way	White	340(L) x 300(W) x 85(D)
	DB-36W-S-F	3 Row 12 Way	White	482(L) x 300(W) x 85(D)
Complete With Earth and Neutral Bar	* Steel Wall Tray Complete With Steel Mesh			

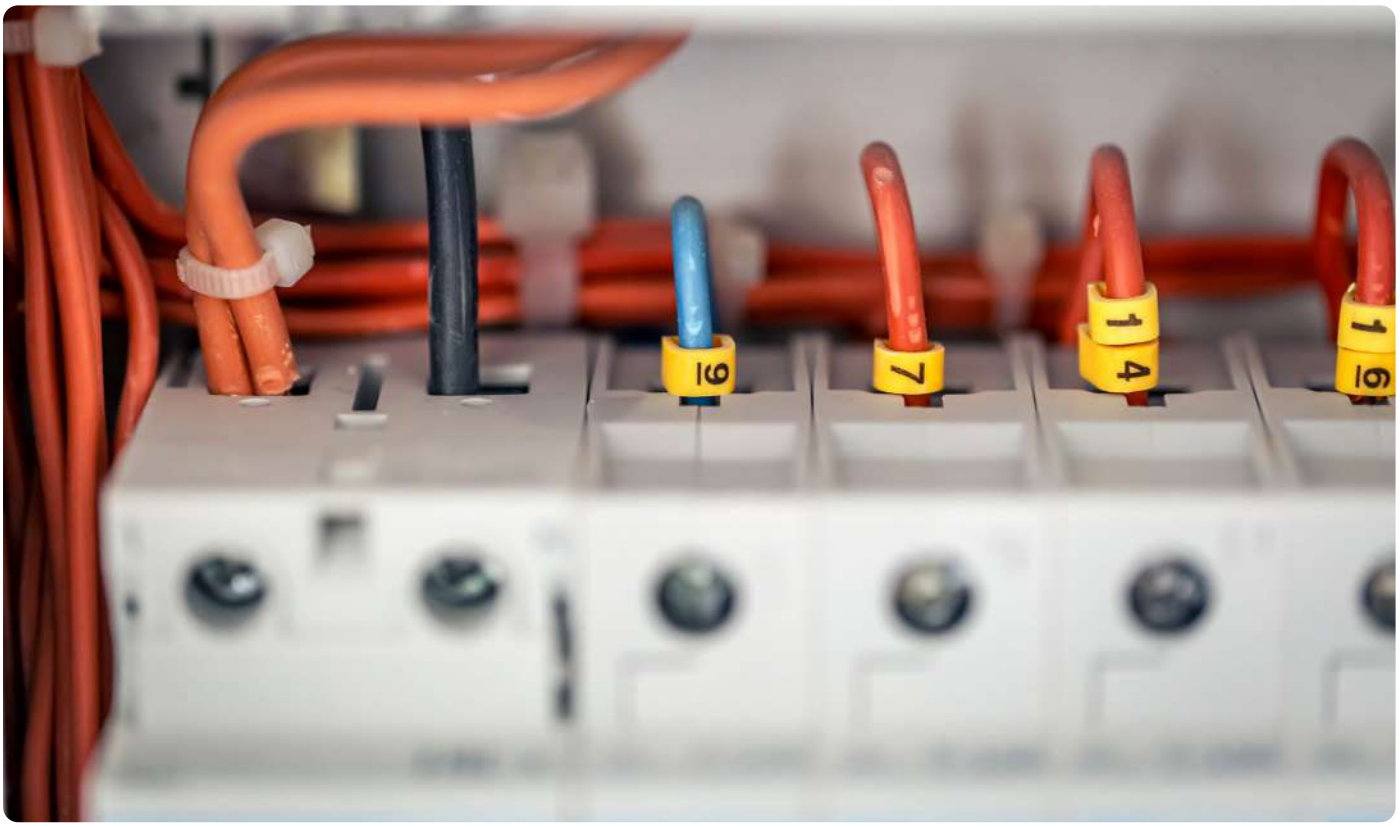
IP41 Plastic Shrouds - Surface Mounting

Product Image	Part Number	Description	Colours	Dimensions
 Earth and Neutral Bar Sold Separately	**SM-1W**	1 Row 1 Way	White	132(L) x 35(W) x 63(D)
	SM-2W	1 Row 2 Way	White	132(L) x 50(W) x 65(D)
	SM-4W	1 Row 4 Way	White	132(L) x 83(W) x 65(D)
	SM-6W	1 Row 6 Way	White	132(L) x 123(W) x 65(D)
	SM-8W	1 Row 8 Way	White	160(L) x 158(W) x 67(D)

- Superb Italian design and quality • Conforms to EN60670-24:2005
- Glow wire test: 650° EN 60335-1:94 + IEC695-2-1 • Min / Max Temperature: - 5°C and + 60°C
- Shock resistance: IK07 • Halogen Free product • DIN Rail

IP65 Plastic Distribution Board - Surface Mounting - Smoky Door

Product Image	Part Number	Description	Colours	Dimensions
 Earth and Neutral Bar Sold Separately	**GR15060**	1 Row 4-5 Way	White	154(L) x 112(W) x 75(D)
	GR15062	1 Row 6-8 Way	White	170(L) x 170(W) x 75(D)
	GR15064	1 Row 12 Way	White	202(L) x 240(W) x 75(D)
	GR15066	2 Row 12 Way	White	331(L) x 240(W) x 80(D)





ONESTO®

Quality has a name!

MOULDED CASE CIRCUIT BREAKERS

- SABS in accordance to IEC 60947-2, SANS 556-1
- Rated Insulation Voltage 800VAC - 50/60Hz
- At 40˚Celsius

3P KCM1 MCCB's - 100S, 225S, 400S & 630S Frame Sizes







Product Image	Part Number	Current Rating	Pole	kA Rating	Operating Voltage	Dimensions
	KCM1-100S-32	32Amp	3P	25kA	400V	150 x 90 x 68
	KCM1-100S-40	40Amp	3P	25kA	400V	150 x 90 x 68
	KCM1-100S-50	50Amp	3P	25kA	400V	150 x 90 x 68
	KCM1-100S-63	63Amp	3P	25kA	400V	150 x 90 x 68
	KCM1-100S-80	80Amp	3P	25kA	400V	150 x 90 x 68
	KCM1-100S-100	100Amp	3P	25kA	400V	150 x 90 x 68
	KCM1-225S-125	125Amp	3P	25kA	400V	165 x 105 x 85
	KCM1-225S-160	160Amp	3P	25kA	400V	165 x 105 x 85
	KCM1-225S-200	200Amp	3P	25kA	400V	165 x 105 x 85
	KCM1-225S-225	225Amp	3P	25kA	400V	165 x 105 x 85
	KCM1-225S-250	250Amp	3P	25kA	400V	165 x 105 x 85
	KCM1-400S-315	315Amp	3P	35kA	400V/690V	225 x 140 x 105
	KCM1-400S-350	350Amp	3P	35kA	400V/690V	225 x 140 x 105
	KCM1-400S-400	400Amp	3P	35kA	400V/690V	225 x 140 x 105
	KCM1-630S-500	500Amp	3P	35kA	400V/690V	270 x 180 x 110
	KCM1-630S-630	630Amp	3P	35kA	400V/690V	270 x 180 x 110

Refer To Page 74 & 76 For MCCB Enclosures

- SABS in accordance to IEC 60947-2; SANS 556-1
- Rated Insulation Voltage 800VAC - 50/60Hz
- At 40°Celsius

4P KCM1 MCCB's - 100S, 225S, 400S & 630S Frame Sizes

Product Image	Part Number	Current Rating	Pole	kA Rating	Operating Voltage	Dimensions
	**KCM1-100S-32-4**	32Amp	4P	25kA	400V	150 x 120 x 68
	KCM1-100S-40-4	40Amp	4P	25kA	400V	150 x 120 x 68
	KCM1-100S-50-4	50Amp	4P	25kA	400V	150 x 120 x 68
	KCM1-100S-63-4	63Amp	4P	25kA	400V	150 x 120 x 68
	KCM1-100S-80-4	80Amp	4P	25kA	400V	150 x 120 x 68
	KCM1-100S-100-4	100Amp	4P	25kA	400V	150 x 120 x 68
	**KCM1-225S-125-4**	125Amp	4P	25kA	400V	165 x 140 x 85
	KCM1-225S-160-4	160Amp	4P	25kA	400V	165 x 140 x 85
	KCM1-225S-200-4	200Amp	4P	25kA	400V	165 x 140 x 85
	KCM1-225S-225-4	225Amp	4P	25kA	400V	165 x 140 x 85
	KCM1-225S-250-4	250Amp	4P	25kA	400V	165 x 140 x 85
	**KCM1-400S-315-4**	315Amp	4P	35kA	400V/690V	225 x 200 x 105
	KCM1-400S-350-4	350Amp	4P	35kA	400V/690V	225 x 200 x 105
	KCM1-400S-400-4	400Amp	4P	35kA	400V/690V	225 x 200 x 105
	KCM1-630S-500-4	500Amp	4P	35kA	400V/690V	270 x 240 x 110
	KCM1-630S-630-4	630Amp	4P	35kA	400V/690V	270 x 240 x 110

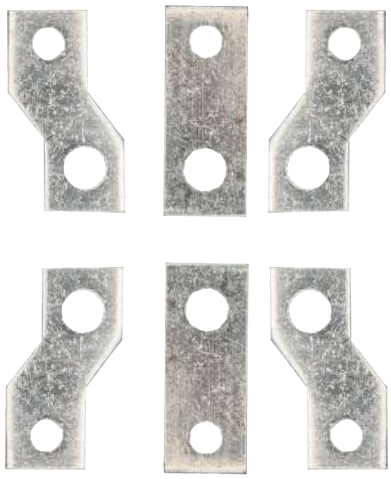
- Moulded case Isolators
- 3 Pole
- Rated Insulation Voltage 800VAC - 50/60Hz
- Short time withstand current 12 x In for 1 second

3P KCM1-IS Isolators - 100S, 225S, 400S & 630S Frame Sizes





Part Number	Current Rating	Pole	Operating Voltage	Dimensions
KCM1-IS100S-100	100Amp	3P	400V/690V	150 x 90 x 68
KCM1-IS225S-160	160Amp	3P	400V/690V	165 x 105 x 85
KCM1-IS225S-225	225Amp	3P	400V/690V	165 x 105 x 85
KCM1-IS225S-250	250Amp	3P	400V/690V	165 x 105 x 85
KCM1-IS400S-315	315Amp	3P	400V/690V	225 x 140 x 105
KCM1-IS400S-400	400Amp	3P	400V/690V	225 x 140 x 105
KCM1-IS630S-500	500Amp	3P	400V/690V	270 x 180 x 110
KCM1-IS630S-630	630Amp	3P	400V/690V	270 x 180 x 110



EXTENSION CONNECTORS FOR MCCB'S - SET OF 6

KCM1-EC-100	Extension Connector for 100S Frame Size
KCM1-EC-225	Extension Connector for 225S Frame Size
KCM1-EC-400	Extension Connector for 400S Frame Size
KCM1-EC-630	Extension Connector for 630S Frame Size
KCM1-EC-800	Extension Connector for 800S Frame Size

Refer to page 74 for MCCB Enclosures

- Moulded Case Isolators
- 4 Pole
- Rated Insulation Voltage 800VAC - 50/60Hz.
- Short time withstand current 12 x In for 1 second

4P KCM1-IS Isolators - 100S, 225S, 400S & 630S Frame Sizes

Product Image	Part Number	Current Rating	Pole	Operating Voltage	Dimensions
	**KCM1-IS100S-100-4**	100Amp	4P	400V/690V	150 x 120 x 68
	KCM1-IS225S-160-4	160Amp	4P	400V/690V	165 x 140 x 85
	KCM1-IS225S-225-4	225Amp	4P	400V/690V	165 x 140 x 85
	KCM1-IS225S-250-4	250Amp	4P	400V/690V	165 x 140 x 85
	**KCM1-IS400S-315-4**	315Amp	4P	400V/690V	225 x 200 x 105
	KCM1-IS400S-400-4	400Amp	4P	400V/690V	225 x 200 x 105
	KCM1-IS630S-500-4	500Amp	4P	400V/690V	270 x 240 x 110
	KCM1-IS630S-630-4	630Amp	4P	400V/690V	270 x 240 x 110



MECHANICAL INTERLOCKS FOR 3 POLE MCCB'S

KCM1-100-MI	For 32A-100A
KCM1-225-MI	For 125A-250A
KCM1-400-MI	For 315A-400A
KCM1-630-MI	For 500A-630A

- Accessories for use with KCM1 Moulded Case Circuit Breakers and Isolators
- Various configurations & Voltages

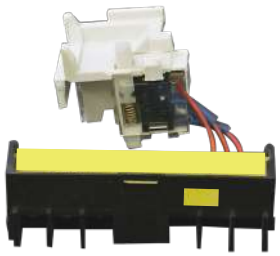
SHUNT TRIP



PLEASE SPECIFY LEFT OR RIGHT SIDE WHEN ORDERING

KCM1-ST-100-*	230V/400V/550V Shunt Trip	For KCM1-100
KCM1-ST-225-*	230V/400V/550V Shunt Trip	For KCM1-225
KCM1-ST-400-*	230V/400V/550V Shunt Trip	For KCM1-400
KCM1-ST-630-*	230V/400V/550V Shunt Trip	For KCM1-630
KCM1-ST-800-*	230V/400V/550V Shunt Trip	For KCM1-800
KCM1-ST-1250-*	230V/400V/550V Shunt Trip	For KCM1-1250

AUXILIARY CONTACTS



PLEASE SPECIFY LEFT OR RIGHT SIDE WHEN ORDERING

KCM1-AC-100	1N/O & 1N/C Auxiliary Contact	For KCM1-100
KCM1-AC-225	1N/O & 1N/C Auxiliary Contact	For KCM1-225
KCM1-AC-400	1N/O & 1N/C Auxiliary Contact	For KCM1-400
KCM1-AC-630	1N/O & 1N/C Auxiliary Contact	For KCM1-630
KCM1-AC-800	1N/O & 1N/C Auxiliary Contact	For KCM1-800
KCM1-AC-1250	1N/O & 1N/C Auxiliary Contact	For KCM1-1250

UNDER VOLTAGE TRIPS



KCM1-UVT-100	Under Voltage Trip 400V	For KCM1-100
KCM1-UVT-225	Under Voltage Trip 400V	For KCM1-225
KCM1-UVT-400	Under Voltage Trip 400V	For KCM1-400
KCM1-UVT-630	Under Voltage Trip 400V	For KCM1-630
KCM1-UVT-800	Under Voltage Trip 400V	For KCM1-800
KCM1-UVT-1250	Under Voltage Trip 400V	For KCM1-1250

VARI-DEPTH HANDLES - 3 POLE ONLY



KCM1-VDH-100	Vari-Depth Handle with Shaft	For KCM1-100
KCM1-VDH-225	Vari-Depth Handle with Shaft	For KCM1-225
KCM1-VDH-400	Vari-Depth Handle with Shaft	For KCM1-400
KCM1-VDH-630	Vari-Depth Handle with Shaft	For KCM1-630
KCM1-VDH-800	Vari-Depth Handle with Shaft	For KCM1-800
KCM1-VDH-1000	Vari-Depth Handle with Shaft	For KCM1-1100

- SABS in accordance to IEC 60947-2; SANS 556-1
- Maximum Rated Operating Voltage @ 400V/690VAC

TM: Adjustable thermal 0.8 - 1 x In / fixed magnetic > 10 x In

3P KCM5 Adjustable Thermal MCCB's

Product Image	Part Number	Current Rating	Pole	kA Rating @ 400V	Dimensions
	**KCM5-160H-3P-40**	32 - 40A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	KCM5-160H-3P-50	40 - 50A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	KCM5-160H-3P-65	52 - 65A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	KCM5-160H-3P-80	64 - 80A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	KCM5-160H-3P-100	80 - 100A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	KCM5-160H-3P-125	100 - 125A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	KCM5-160H-3P-160	128 - 160A	3P	18kA Ics/35kA Icu	150 x 90 x 68
	**KCM5-250H-3P-200**	160 - 200A	3P	18kA Ics/35kA Icu	165 x 105 x 81
	KCM5-250H-3P-250	200 - 250A	3P	18kA Ics/35kA Icu	165 x 105 x 81
	KCM5-400H-3P-300	240 - 300A	3P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-400H-3P-400	320 - 400A	3P	35kA Ics/50kA Icu	257 x 140 x 103
	**KCM5-630H-3P-500**	400 - 500A	3P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-630H-3P-630	540 - 630A	3P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-800H-3P-800	640 - 800A	3P	50kA Ics/65kA Icu	257.5 x 210 x 103
	KCM5-1000H-3P-1000	800 - 1000A	3P	50kA Ics/65kA Icu	257.5 x 210 x 103
	KCM5-1250H-3P-1250	1000 - 1250A	3P	50kA Ics/65kA Icu	257.5 x 210 x 103

- SABS in accordance to IEC 60947-2; SANS 556-1
- Maximum Rated Operating Voltage @ 400V/690VAC

TM: Adjustable thermal 0.8 - 1 x In / fixed magnetic > 10 x In

4P KCM5 Adjustable Thermal MCCB's

NEW!

Product Image	Part Number	Current Rating	Pole	kA Rating @ 400V	Dimensions
	**KCM5-160H-4P-40**	32 - 40A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	KCM5-160H-4P-50	40 - 50A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	KCM5-160H-3P-65	52 - 65A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	KCM5-160H-3P-80	64 - 80A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	KCM5-160H-4P-100	80 - 100A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	**KCM5-160H-4P-125**	100 - 125A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	KCM5-160H-4P-160	128 - 160A	4P	18kA Ics/35kA Icu	150 x 120 x 68
	KCM5-250H-4P-200	160 - 200A	4P	18kA Ics/35kA Icu	165 x 140 x 85
	KCM5-250H-4P-250	200 - 250A	4P	18kA Ics/35kA Icu	165 x 140 x 81
	KCM5-400H-4P-300	240 - 300A	4P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-400H-4P-400	320 - 400A	4P	35kA Ics/50kA Icu	257 x 140 x 103
	**KCM5-630H-4P-500**	400 - 500A	4P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-630H-4P-630	540 - 630A	4P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-800H-4P-800	640 - 800A	4P	50kA Ics/65kA Icu	257.5 x 210 x 103
	KCM5-1000H-4P-1000	800 - 1000A	4P	50kA Ics/65kA Icu	257.5 x 210 x 103
	KCM5-1250H-4P-1250	1000 - 1250A	4P	50kA Ics/65kA Icu	257.5 x 210 x 103

- SABS in accordance to IEC 60947-2; SANS 556-1
- Maximum Rated Operating Voltage @ 400VAC

3P KCM5 Electronic Adjustable MCCB's

NEW! Product Image	Part Number	Current Rating	Pole	kA Rating @ 400V	Dimensions
	**KCM5-160H-3P-160E**	63 - 160A	3P	25kA Ics/35kA Icu	150 x 90 x 68
	KCM5-250H-3P-250E	100 - 250A	3P	25kA Ics/35kA Icu	165 x 105 x 81
	KCM5-400H-3P-400E	250 - 400A	3P	35kA Ics/50kA Icu	257 x 140 x 103
	**KCM5-630H-3P-630E**	400 - 630A	3P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-800H-3P-800E	630 - 800A	3P	50kA Ics/65kA Icu	257.5 x 210 x 103
	KCM5-1250H-3P-1250E	800 - 1250A	3P	50kA Ics/65kA Icu	257.5 x 210 x 103

4P KCM5 Electronic Adjustable MCCB's

NEW! Product Image	Part Number	Current Rating	Pole	kA Rating @ 400V	Dimensions
	KCM5-160H-4P-160E	63 - 160A	4P	25kA Ics/35kA Icu	150 x 90 x 68
	KCM5-250H-4P-250E	100 - 250A	4P	25kA Ics/35kA Icu	165 x 105 x 81
	KCM5-400H-4P-400E	250 - 400A	4P	35kA Ics/50kA Icu	257 x 140 x 103
	**KCM5-630H-4P-630E**	400 - 630A	4P	35kA Ics/50kA Icu	257 x 140 x 103
	KCM5-800H-4P-800E	630 - 800A	4P	50kA Ics/65kA Icu	257.5 x 210 x 103
	KCM5-1250H-4P-1250E	800 - 1250A	4P	50kA Ics/65kA Icu	257.5 x 210 x 103

- Accessories for use with KCM5 Adjustable Moulded Case Circuit Breakers and Isolators
- Various Voltages
- Various configurations

SHUNT RELEASE



Suitable For Adjustable MCCB's Only & Not Electronic MCCB's

KCM5-SR-160-*	24VDC/110VDC/230VAC/400VAC	For KCM5-160H
KCM5-SR-250-*	24VDC/110VDC/230VAC/400VAC	For KCM5-250H
KCM5-SR-400-*	24VDC/110VDC/230VAC/400VAC	For KCM5-400H
KCM5-SR-630-*	24VDC/110VDC/230VAC/400VAC	For KCM5-630H
KCM5-SR-800-*	24VDC/110VDC/230VAC/400VAC	For KCM5-800H
KCM5-SR-1000-*	24VDC/110VDC/230VAC/400VAC	For KCM5-1000H
KCM5-SR-1250-*	24VDC/110VDC/230VAC/400VAC	For KCM5-1250H

*Please Specify Voltage: **BD** = 24VDC; **FD** = 110VDC; ***M*** = 230VAC; **Q** = 400VAC

AUXILIARY CONTACTS



Suitable For Adjustable MCCB's Only & Not Electronic MCCB's

KCM5-AC-160	1N/O & 1N/C Auxiliary Contact	For KCM5-160H
KCM5-AC-250	1N/O & 1N/C Auxiliary Contact	For KCM5-250H
KCM5-AC-400	1N/O & 1N/C Auxiliary Contact	For KCM5-400H
KCM5-AC-630	1N/O & 1N/C Auxiliary Contact	For KCM5-630H
KCM5-AC-800	1N/O & 1N/C Auxiliary Contact	For KCM5-800H
KCM5-AC-1000	1N/O & 1N/C Auxiliary Contact	For KCM5-1000H
KCM5-AC-1250	1N/O & 1N/C Auxiliary Contact	For KCM5-1250H

ALARM CONTACTS



Suitable For Adjustable MCCB's Only & Not Electronic MCCB's

KCM5-LC-160	1N/O & 1N/C Alarm Contact	For KCM5-160H
KCM5-LC-250	1N/O & 1N/C Alarm Contact	For KCM5-250H
KCM5-LC-400	1N/O & 1N/C Alarm Contact	For KCM5-400H
KCM5-LC-630	1N/O & 1N/C Alarm Contact	For KCM5-630H
KCM5-LC-800	1N/O & 1N/C Alarm Contact	For KCM5-800H
KCM5-LC-1000	1N/O & 1N/C Alarm Contact	For KCM5-1000H
KCM5-LC-1250	1N/O & 1N/C Alarm Contact	For KCM5-1250H

UNDER VOLTAGE RELEASE



Suitable For Adjustable MCCB's Only & Not Electronic MCCB's

KCM5-UVR-160-*	Under Voltage Trip 220V/380V	For KCM5-160H
KCM5-UVR-250-*	Under Voltage Trip 220V/380V	For KCM5-250H
KCM5-UVR-400-*	Under Voltage Trip 220V/380V	For KCM5-400H
KCM5-UVR-630-*	Under Voltage Trip 220V/380V	For KCM5-630H
KCM5-UVR-800-*	Under Voltage Trip 220V/380V	For KCM5-800H
KCM5-UVR-1000-*	Under Voltage Trip 220V/380V	For KCM5-1000H
KCM5-UVR-1250-*	Under Voltage Trip 220V/380V	For KCM5-1250H

*Please Specify Voltage: ***M*** = 220VAC; **Q** = 380VAC

- Accessories for use with KCM5 AAdjustable Moulded Case Circuit Breakers
- Various Voltages
- Various configurations

MANUAL VARI-DEPTH HANDLES - 3 POLE ONLY



KCM5-MH-160	Vari-Depth Handle with Shaft	For KCM5-100
KCM5-MH-225	Vari-Depth Handle with Shaft	For KCM5-225
KCM5-MH-400	Vari-Depth Handle with Shaft	For KCM5-400
KCM5-MH-630	Vari-Depth Handle with Shaft	For KCM5-630
KCM5-MH-800	Vari-Depth Handle with Shaft	For KCM5-800
KCM5-MH-1000	Vari-Depth Handle with Shaft	For KCM5-1000
KCM5-MH-1250	Vari-Depth Handle with Shaft	For KCM5-1250

EXTENSION CONNECTORS



KCM5-EC-160	Extension Connector for 160H Frame Size	For KCM5-100
KCM5-EC-250	Extension Connector for 250H Frame Size	For KCM5-225
KCM5-EC-400	Extension Connector for 400H Frame Size	For KCM5-400
KCM5-EC-630	Extension Connector for 630H Frame Size	For KCM5-630
KCM5-EC-800	Extension Connector for 800H Frame Size	For KCM5-800
KCM5-EC-1000	Extension Connector for 1000H Frame Size	For KCM5-1000
KCM5-EC-1250	Extension Connector for 1250H Frame Size	For KCM5-1250



- SABS in accordance to IEC 60947-2; SANS 556-1
- Operating Voltage: 250 - 1500VDC - 50/60Hz
- Rated Impulse Withstand Voltage: 12KV
- Operating Temperature: -35~+70° Celcius
- IP Rating: IP20

2P KCMD2 DC High Voltage MCCB's

NEW!

Product Image	Part Number	Current Rating	Pole	Rated Insulation Voltage	Dimensions
	**KCMD2-320-80A**	80Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-320-100A	100Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-320-125A	125Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-320-160A	160Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-320-200A	200Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-320-225A	225Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-320-250A	250Amp	2P	750~1500VDC	215 x 88 x 119
	**KCMD2-320-315A**	315Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-500-350A	350Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-500-400A	400Amp	2P	750~1500VDC	215 x 88 x 119
	KCMD2-630-500A	500Amp	2P	750~1500VDC	275 x 108 x 145.5
	KCMD2-630-630A	630Amp	2P	750~1500VDC	275 x 108 x 145.5




Frequency
VARIABLE
SPEED DRIVES

NEW!



N750E - SINGLE PHASE VECTOR INVERTOR - 240V

MODEL	kW	Amps	Dimensions W x D x H	Weight (kg)
N750E-007SF	0,75	5	68 x 160 x 128	0.8
N750E-015SF	1,5	7	108 x 167 x 128	1.0
N750E-022SF	2,2	11	108 x 167 x 128	1.0

FEATURES:
• 150% Torque at speeds > 1 Hz • Momentary current suppression
• RS485 Modbus Standard • 0 - 400 Hz • Manual Torque Boost • Compact size

Single phase input.
Three phase output.

TYPICAL APPLICATIONS:
• Conveyors, Treadmills, Washing machines, Waste heat recovery equipment, Automatic doors & Extruder's

NEW!



N750E - THREE PHASE SMALL SIZE VECTOR INVERTOR - 400V

MODEL	kW	Amps	Dimensions W x D x H	Weight (kg)
N750E-007HF	0,75	3,4	108 x 167 x 128	1.0
N750E-015HF	1,5	4,8	108 x 167 x 128	1.0
N750E-022HF	2,2	7,2	108 x 167 x 128	1.0
N750E-037HF	3,7	9,2	140 x 172 x 128	1.3

FEATURES:
• 150% Torque at speeds > 1 Hz • Advanced sensorless vector control
• Momentary current suppression • RS485 Modbus standard • 0 - 400Hz
• Manual torque boost. • Compact Size

TYPICAL APPLICATIONS:
• Conveyors, Fans, Pumps.





N750E - THREE PHASE SENSORLESS VECTOR INVERTOR - 400V				
MODEL	kW	Amps	Dimensions W x D x H	Weight (kg)
N750E-055HF	5,5	14.8	160 x 183 x 230	2.8
N750E-075HF	7,5	18	160 x 183 x 230	2.8
N750E-110HF	11	24	180 x 183 x 280	4.1
N750E-150HF	15	32	180 x 183 x 280	4.1
N750E-185HF	18,5	39	220 x 193 x 315	6.1
N750E-220HF	22	45	220 x 193 x 315	6.1
N750E-300HF	30	61	312 x 278 x 539	22.4
N750E-370HF	37	75	312 x 278 x 539	22.4
N750E-450HF	45	91	342 x 288 x 554	28.4
N750E-550HF	55	110	342 x 288 x 554	28.4
N750E-750HF	75	149	392 x 288 x 702	40.5

FEATURES:
- 150% Torque at speeds > 1 Hz • High torque performance by sensorless vector
- Fan On/Off function • Built in BRD(5,5 - 22kW) [Built-in regenerative braking system]
- Improved PID control Options • Compact Size • Ease of maintenance
- PM (Permanent Magnetic) Synchronous Motor Control Feature.
- Various Fieldbus Communication Options (Ethernet-IP, Modbus-TCP, Profibus-DP)

TYPICAL APPLICATIONS:
- Fans, Pumps, Conveyors and Extruders



N750E - ACCESSORIES

N7E-KPH

Key Pad Holder



N750E - ACCESSORIES

NOP1-3A

3m Comm Cable





TIMERS & TEMPERATURE CONTROLLERS

MULTI PURPOSE DISTRIBUTION BOARD



GDB
MULTI PURPOSE DISTRIBUTION BOARD - IP41
Surface mounted 6 Way IP41 plastic DB, pre-fitted with **TS30** Timer (see below) and 12 A Mini contactor (230V or 400V). Ideally suited to any device that requires automatic control For example: Geyser / Pump / Fan / Irrigation / Lights etc. The timer can be set to operate the On / Off functions of the contactor. It may also be "by-passed" if Manual intervention is required. The GDB does not include any protective device.
A Over / fault current device suitable for protection of the switched equipment,
must be provided for separately.

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ANALOGUE TIME SWITCHES



TS18A
Program Dial: 24h. NO Power Reserve.
Programmable every: 30min.
Switching Contacts: 1 changeover.
Amperage: 16A@230V (resistive).
Din Mount

scan for tutorial



TS18
Program Dial: 24h. Power Reserve: 200 Hours.
Programmable every: 30min.
Switching Contacts: 1 changeover.
Amperage: 16A@230V (resistive).
Din Mount

scan for tutorial



TS15
Program Dial: 24h.
Power Reserve: 72 Hours.
Slimline
Programmable every: 15min.
Switching Contacts: 1NO.
Amperage: 16A@250V (resistive).
Din Mount.

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H3CR-A8
Multi Function Multi Range.
Operation: Delay - On OR Delay - Off (interval)
Time range: 0-30 sec/min/hrs.
Relay Contacts: 2 changeover 5A@ 230VAC (resistive)
Size: 48 x 48 - 230VAC.
8 Pin Base Mount

DIGITAL TIME SWITCHES



AHC-810
24 Hour 7 Day digital Timer.
Power Reserve: 150 Hours.
Min. Switching time: 1min.
Switching Contacts: 1 changeover
Amperage: **16A@250V** (resistive).
Din Mount
1 Channel 22 On & 22 Off Operations.
LCD Display

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AHC-812
24 Hour 7 Day digital Timer.
Power Reserve: 150 Hours.
Min. Switching time: 1min.
Switching Contacts: 2 changeover
Amperage: **16A@250V** (resistive).
Din Mount
2 Channel 22 On & 22 Off Operations.
LCD Display

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Temperature Controller
STG-8000 or STG-8000J 48 x 48 mm.
Range : 0-999°C Supply: 230 VAC. Output: 1 changeover- N/O - N/C- Common Alarm: 1 set point. Probe excluded

Type - J Thermo couple 2m Cable
PT - 100 Thermo couple 2m Cable

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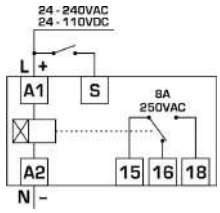
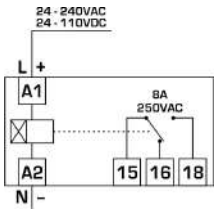
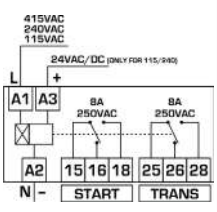
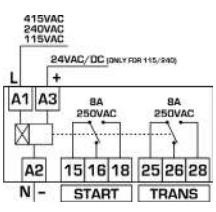
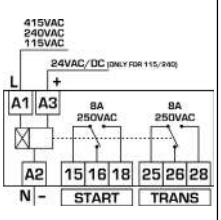
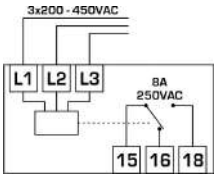


MONITORING DEVICES

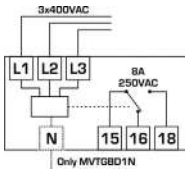
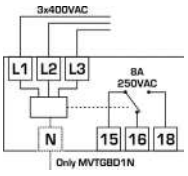
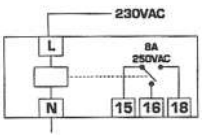
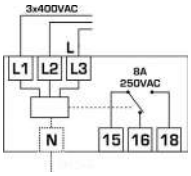
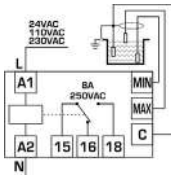
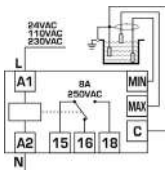
MICROIDEA®
MONITORING & CONTROL DEVICES

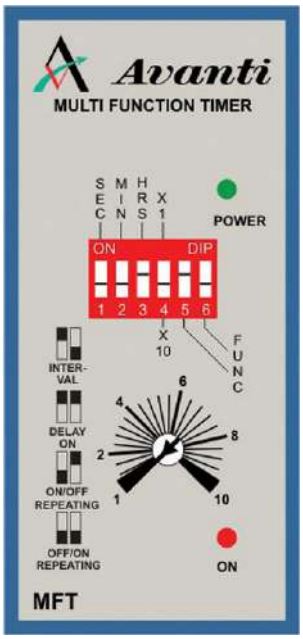
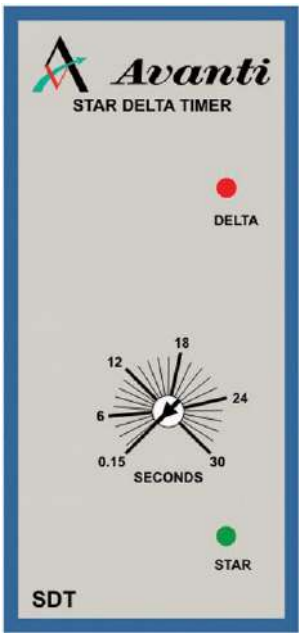
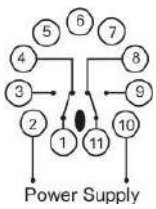
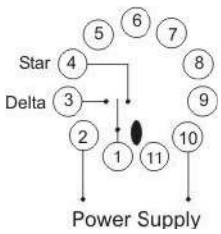
MONITORING DEVICES
MULTI FUNCTION TIMER
ON DELAY TIMER
STAR DELTA TIMER
PHASE SEQUENCE RELAY

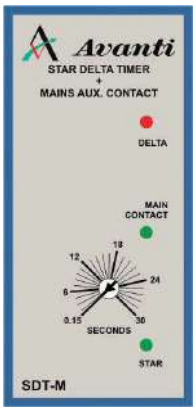
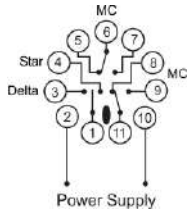
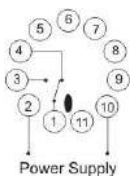
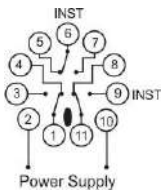
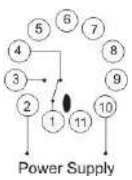
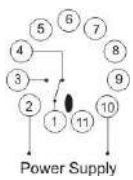
- DIN RAIL.
- RoHS compliant.
- Material: Self extinguishing VO

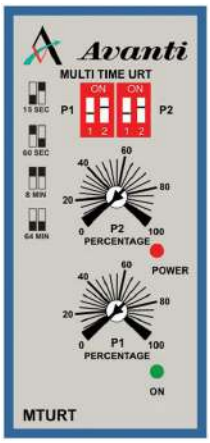
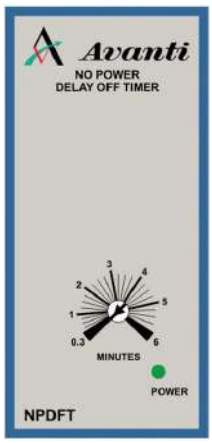
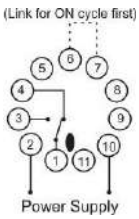
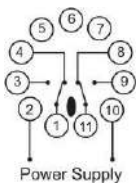
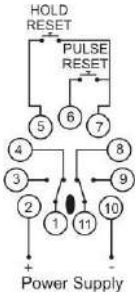
DTMSMM1 Multi-Function Timer	DTMSLD1 Timer 0.1s-10d (On Delay)	DTMVQD2 Star Delta Timer 24VAC/DC, 115VAC	DTMUQD2 Star Delta Timer 24VAC/DC, 240VAC	DTMOQD2 Star Delta Timer 415VAVC	FSTKII1S Phase Sequence Relay
					
FEATURES					
- Compact Size - 1 Module - Out 1 Contact SPDT - Time range 0,1s-10 days - 10 Function Selectable - Universal Supply - Din Rail EN50.022	- Compact Size - 1 Module - Out 1 Contact SPDT - Time range 0,1s-10 days - Energise after Delay - Universal Supply - Din Rail EN50.022	- Compact Size - 1 Module - Out 2 Contact SPDT - Time range: ST: 6-60 sec TR: 20-300 ms - Energise after delay - Universal Supply - Din Rail EN50.022	- Compact Size - 1 Module - Out 2 Contact SPDT - Time range: ST: 6-60 sec TR: 20-300 ms - Energise after delay - Universal Supply - Din Rail EN50.022	- Compact Size - 1 Module - Out 2 Contact SPDT - Time range: ST: 6-60 sec TR: 20-300 ms - Energise after delay - Universal Supply - Din Rail EN50.022	- Compact Size - 1 Module - Out 1 Contact Spot - Rotation Control - Loss Control - Energise after delay - Universal Supply - Din Rail EN50.022
TYPICAL WIRING & CONNECTION DIAGRAMS					
					
TECHNICAL SPECIFICATIONS					
POWER SUPPLY: **AC:** 24V-240 **Hz:** 47-63 **DC:** 24V-110 **Max Consumption:** 8,5VA **Time Range:** 0,1s-10 days **Min S Impulse:** 25ms **OUTPUT RELAY:** **Contact:** SPDT **Current:** 8A **Voltage:** 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:**95 RH% **Weight:** 65g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 24V-240 **Hz:** 47-63 **DC:** 24V-110 **Max Consumption:** 8,5VA **Time Range:** 0,1s-10 days **OUTPUT RELAY:** **Contact:** SPDT **Current:** 8A **Voltage:** 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:**95 RH% **Weight:** 60g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 24V-115 **Hz:** 47-63 **AC/DC:** 24V **Max Consumption:** 3,9VA **Time Range:** ST: 6-60 sec TR:20-300ms **OUTPUT RELAY (x2):** **Contact:** SPDT **Current:** 8A **Voltage:** 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 65g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 24V-240 **Hz:** 47-63 **AC/DC:** 24V **Max Consumption:** 3,9VA **Time Range:** ST: 6-60 sec TR: 20-300ms **OUTPUT RELAY (x2):** **Contact:** SPDT **Current:** 8A **Voltage:** 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 65g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 415 **Hz:** 47-63 **AC/DC:** 24V **Max Consumption:** 3,9VA **Time Range:** ST: 6-60 sec TR: 20-300 ms **OUTPUT RELAY (x2):** **Contact:** SPDT **Current:** 8A **Voltage:** 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 65g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 3x200-450 **Hz:** 47-63 **Max Consumption:** 8VA(L1/L2) 1,2VA(L3) **OUTPUT RELAY:** **Contact:** SPDT **Current:** 8A **Voltage:** 250VAC **Temperature:** **Work:**-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 60g **Dimensions:** 98 x 17,5 x 64mm

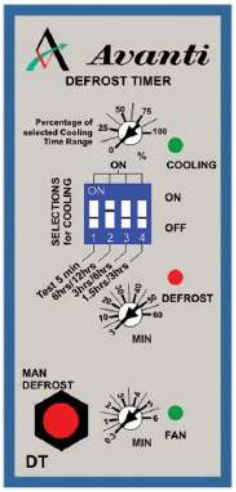
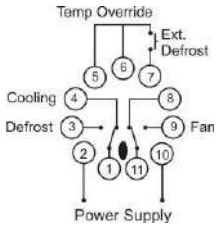
- DIN RAIL.
- RoHS compliant.
- Material: Self extinguishing VO

MVTGBD1S Under/Over Voltage Relay Phase Failure Phase Sequence	**MVTGBD1N Under/Over Voltage Relay Phase Failure Phase Sequence +N**	**MVMFBD1 Under/Over Voltage Relay 1 Phase 230VAC**	**MVTGBD1 Under/Over Voltage Relay 3 Phase 415VAC**	**LRMFII1 Liquid Level Control Relay 230VAC**	**LRMGII1 Liquid Level Control Relay 415VAC**
					
FEATURES					
- Compact Size - 1 Module - Out 1 Contact SPDT -Adj Under: 75-95% Vn -Adj Over: 105-125% Vn - Time range 0,2-10 sec - De-energise after delay - Din Rail EN50.022	- Compact Size - 1 Module - Out 1 Contact SPDT -Adj Under: 75-95% Vn -Adj Over: 105-125% Vn - Time range 0,2-10 sec - De-energise after delay - N Loss - Din Rail EN50.022	- Compact Size - 1 Module - Out 1 Contact SPDT -Adj Under: 75-95% Vn -Adj Over: 105-125% Vn - Time range 0,2-10 sec - De-energise after delay - Din Rail EN50.022	- Compact Size - 1 Module - Out 1 Contact SPDT -Adj Under: 75-95% Vn -Adj Over: 105-125% Vn - Time range 0,2-10 sec - De-energise after delay - Din Rail EN50.022	- Out 1 Contact SPDT -For all conductive liquid - Automatic resetting - Adj. Sens. 2,5K to 100K - Din Rail EN50.022	- Out 1 Contact SPDT -For all conductive liquid - Automatic resetting - Adj. Sens. 2,5K to 100K - Din Rail EN50.022
TYPICAL WIRING & CONNECTION DIAGRAMS					
					
TECHNICAL SPECIFICATIONS					
POWER SUPPLY: **AC:** 3 x 400 **Hz:** 47-63 **Max Consumption:** 15VA **OUTPUT RELAY:** Contact: SPDT Current: 8A Voltage: 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 65g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 3 x 400 +N **Hz:** 47-63 **Max Consumption:** 15VA **OUTPUT RELAY:** Contact: SPDT Current: 8A Voltage: 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 65g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 230V **Hz:** 47-63 **Max Consumption:** 15VA **OUTPUT RELAY:** Contact: SPDT Current: 8A Voltage: 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 60g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 3 x 400V **Hz:** 47-63 **Max Consumption:** 3,9VA **OUTPUT RELAY:** Contact: SPDT Current: 8A Voltage: 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 60g **Dimensions:** 98 x 17,5 x 64mm	**POWER SUPPLY:** **AC:** 230 **Hz:** 47-63 **Max Consumption:** 6,5VA **Max Cable length:** 100m **Isolation Input Probe** 3kV **OUTPUT RELAY:** Contact: SPDT Current: 8A Voltage: 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 120g **Dimensions:** 98 x 36 x 64mm	**POWER SUPPLY:** **AC:** 415 **Hz:** 47-63 **Max Consumption:** 6,5VA **Max Cable length:** 100m **Isolation Input Probe** 3kV **OUTPUT RELAY:** Contact: SPDT Current: 8A Voltage: 250VAC **Temperature:** Work:-10/+50°C **Electrical Strength:** 4kV **Protection Degree:** IP40 **Relative Humidity:** 95 RH% **Weight:** 120g **Dimensions:** 98 x 36 x 64mm

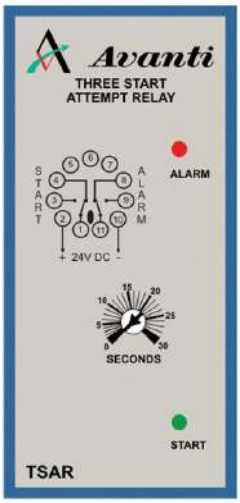
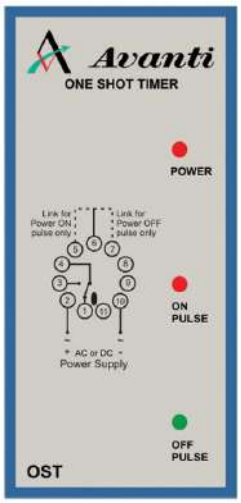
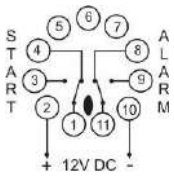
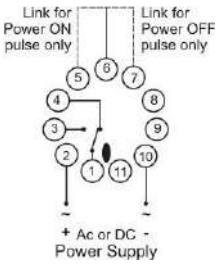
MODEL	A- MFT - Multi-range with Multi-Functions				A- SDT
	Time Ranges (Switch Selectable)			**Functions**	
	0,1 - 1 second 0,1 - 1 minute 0,1 - 1 hour	0 - 10 seconds 0 - 10 minutes 0 - 10 hours		Delay - On Interval Equal Repeating	0 - 30 seconds Other Times on request
FUNCTION	Delay-On	Interval	Equal Repeating ON/OFF	Equal Repeating OFF/ON	Star-Delta Timer
DESCRIPTION OF OPERATION	When power is applied the relay remains de-energised. After the pre-set time, the relay energises. Remove the power to reset.	When power is applied the relay energises. After the pre-set time, the relay de-energises. Remove power to reset.	When power is applied the relay switch ON and OFF continuously. The pre-set time is the same for both cycles. Remove the power to reset.	When power is applied the relay will remain OFF, then switch ON and OFF continuously. The pre-set time is the same for both cycles. Remove power to reset.	When the power is applied a neutral contact closes between 1 + 4 for a "Star" contactor connection. After a pre-set time this contact opens and pauses in the (open) position. After 25mS the contact closes between 1 + 3 for a "Delta" connection. This contact remains in this closed position until power is removed.
CONTROLS AND LABEL DATA					
WIRING DIAGRAM					
VOLTAGE	12V, 24V AC/DC		110V, 230V, 400V AC		12V, 24V AC/DC 110V, 230V, 400V AC

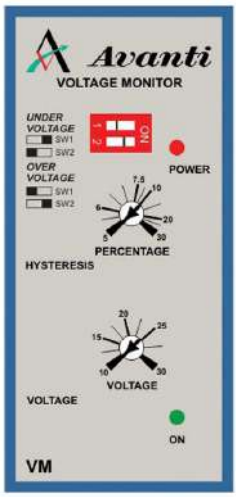
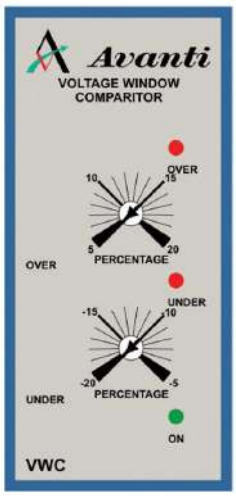
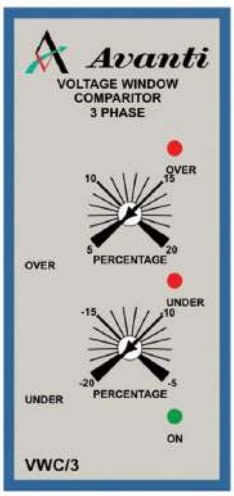
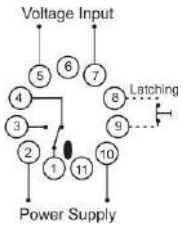
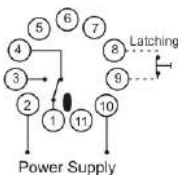
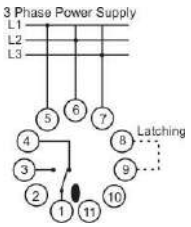
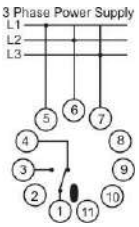
MODEL	A- SDT-M	A- DOT	A- DOT+I	A- IT	A- ERT
	Time Ranges				
	0 - 30 seconds Other times on request	0,3 - 6 seconds 0,3 - 6 minutes 0,3 - 6 hours		3 - 60 seconds 3 - 60 minutes 3 - 60 hours	
FUNCTION	Star Delta Timer with Main Contactor Control	Delay-On	Delay-On PLUS 2 Instant. DPDT contacts	Interval Timer - Delay-Off with Power On	Equal-Repeating Timer
DESCRIPTION OF OPERATION	Operation as per the normal SDT, but with the extra feature of 2 separate instantaneous change-over contacts. These contacts operate 40mS after the star contact closes. A green LED confirms the operation of these contacts. This feature offers the option of the "Star contactor" closing first followed by the "main contactor." The second spare set of contacts can be used as a starter holding or interlocking contact. This may dispense with contacts on the star & main contactor, etc.	When the power is applied the relay remains de-energised. After the pre-set time, the relay energises. Remove power to reset.	Operation as per "DOT" timer, but on power up, two DPDT contacts switch immediately. Remove power to reset.	When power is applied the relay energises. After the pre-set time, the relay de-energises. Remove power to reset.	When power is applied the relay will switch ON and OFF continuously. The pre-set time is the same for both cycles. This cycling continues until power is removed.
CONTROLS AND LABEL DATA					
WIRING DIAGRAM					
VOLTAGE	12V, 24V AC/DC 110V, 230V, 400V AC	12V, 24V AC/DC		110V, 230V, 400V AC	

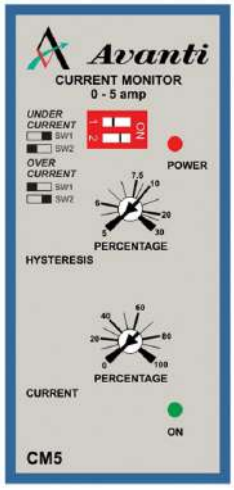
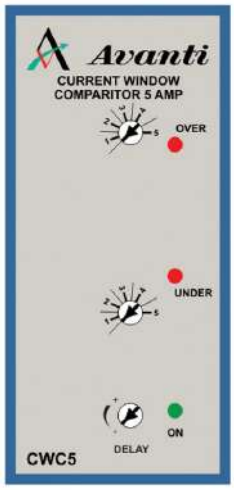
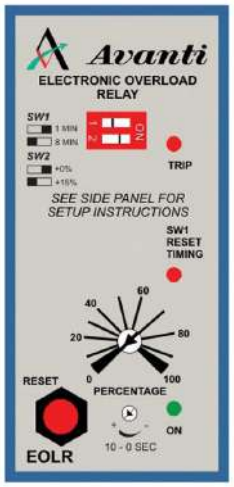
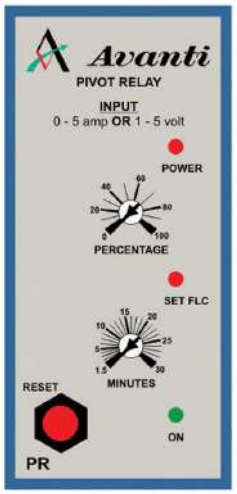
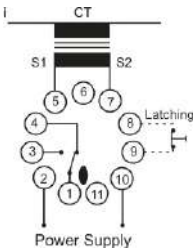
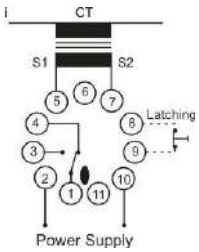
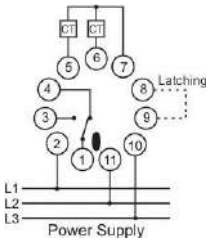
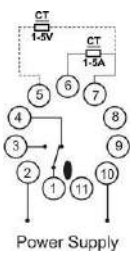
MODEL	A- MTURT	A- NPDFT	(Pulse reset)	A- IRT	(Hold reset)
	Time Ranges				
	Selectable 15 & 60 Seconds 8 & 64 Minutes	0,3 - 6 seconds 3 - 60 seconds 0,3 - 6 minutes	0,3 - 6 seconds 0,3 - 6 minutes 0,3 - 6 hours		3 - 60 seconds 3 - 60 minutes 3 - 60 hours
FUNCTION	Unequal - Repeating Timer with ON or OFF first. Link pins 6 + & for ON first.	No power Delay-Off timer.	Interval Timer with Pulse Rest. A contact closes momentarily between pins 6 + 7 (eg: N/O Button)		Interval Timer with Hold Reset. A contact closes and holds between pins 5 + 7
DESCRIPTION OF OPERATION	When power is applied the relay will remain de-energised for the 1st pre-set time period, then switch OFF. This cycling continues until power is removed (No link on 6 + 7). Each adjusting pot has 2 DIP switches, which can be configured to offer 4 time ranges each. Eg: Pot 1 = 15 sec Pot 2 = 64 min Extended time ranges available on order.	When power is applied the relay will switch ON. When the power is removed the relay remains ON until the pre-set time has been elapsed. Note: The timer must be energised for 50% of the preset time.	Pulse Reset: The relay remains de-energised on power up until a reset occurs. When the pulse contact is closed the relay energises for the set time period then switches OFF irrespective of the length of the pulse. A string of pulses that are shorter than the set time period will reset the timer and the relay will remain energised until the last pulse occurs when the timing cycle will time-out and the relay will de-energise until the next reset pulse occurs.		Hold Reset: The relay remains de-energised on power up until a reset occurs. When the reset contact closes the relay energises. When the reset contact opens the relay de-energises after the pre-set time. The relay stays de-energised until another reset occurs. If the hold contact is closed before the time period has elapsed the time cycle is cancelled and the relay will remain energised.
CONTROLS AND LABEL DATA					
WIRING DIAGRAM					
VOLTAGE	12V, 24V, AC/DC		110V, 230V, 400V AC		

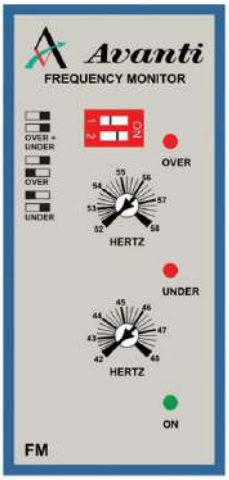
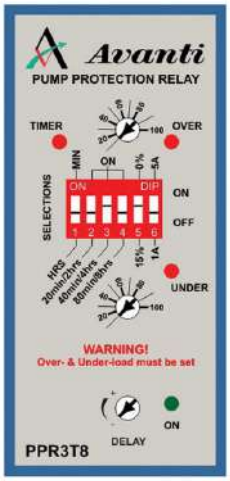
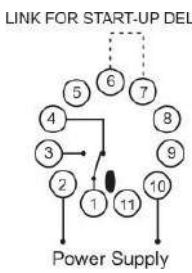
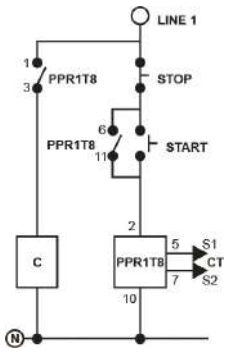
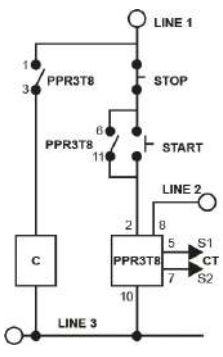
MODEL	A- DT
	Time Ranges
	Cooling: 3 - 6 Hrs, 6 - 12 Hrs Defrost: 3 - 60 mins Fan: 0,3 - 6 mins
FUNCTION	Defrost Timer
DESCRIPTION OF OPERATION	The unit has two cooling ranges which are selectable: 3-6 hours, and 6-12 hours. On power up, with terminals 5+6 linked, the timer starts the cooling cycle. After a 0,3 - 6 Minute pause, the fan operation starts. The cooling duration is set for a time :3-12 hours. After the set cooling time, the defrost cycle starts, which can be set for a duration of 3-60 minutes. During this cycle the fan control is also switched off, after the defrost cycle has elapsed, the cooling cycle restarts, but without the fan operation. The fan will restart after the set period of 0,3 to 6 minutes. If the link between pins 5 + 6 is disconnected, the unit will remain in the cooling/fan mode. If reconnected the defrost cycle will once again be operational. Three LED's indicate the status of either cooling, fan or defrost.
CONTROLS AND LABEL DATA	
WIRING DIAGRAM	
VOLTAGE	12V, 24V, AC/DC 110V, 230V, 400V AC

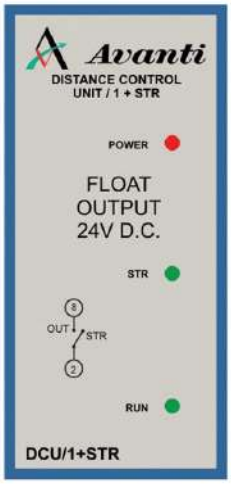
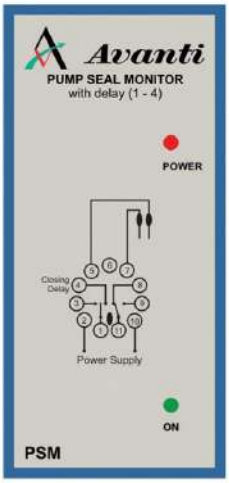
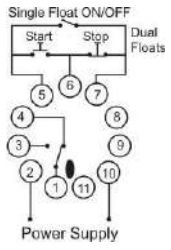
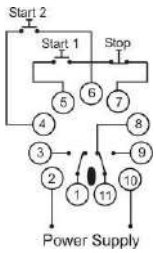
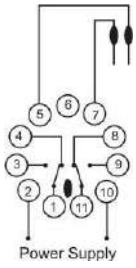


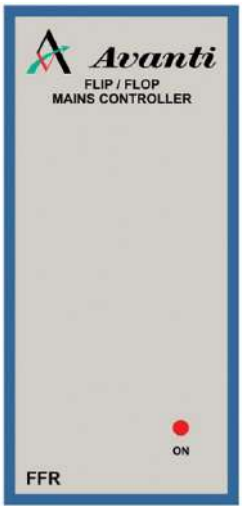
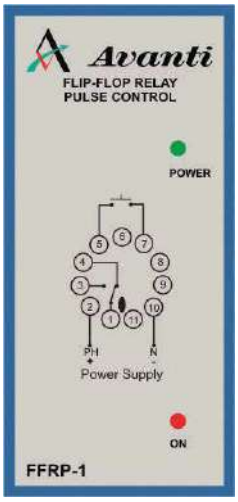
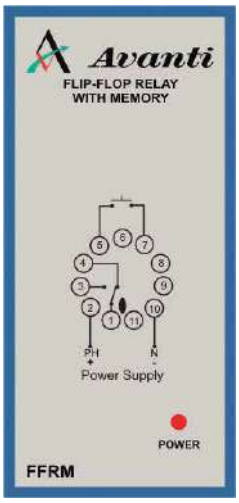
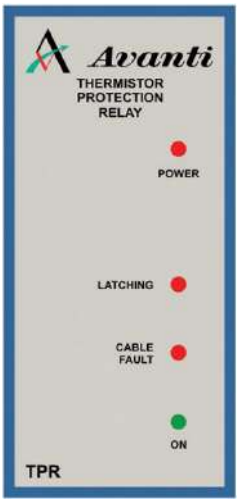
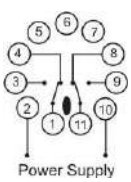
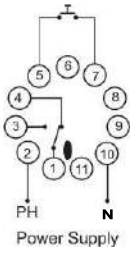
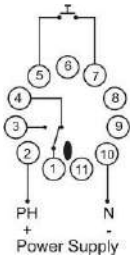
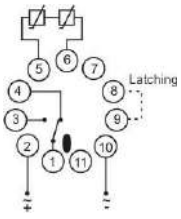
MODEL	A- TSAR	A- OST
	TIME RANGES	
	0 - 30 Seconds Other times on request	
FUNCTION	Three Start Attempt Relay	One Shot Timer
DESCRIPTION OF OPERATION	To start generating sets up to maximum of 3 attempts. On power up the relay energises for the pre-set time. With a successful start the power must be removed. On failure to start the relay de-energises for the same pre-set time. The second and the third attempt will be made in the same manner. If failure persists after 3 attempts an alarm relay is energised.	On power up with the terminals 5 + 6 linked, the relay will energise for a set period of 0,5 seconds (ON pulse). On power up with terminals 6 + 7 linked, the relay will not energise. Only after power is removed will the relay energise for 0,5 seconds (OFF pulse). A pulse for Power-ON and Power-OFF is possible by leaving terminals 5, 6 + 7 all disconnected (no links fitted).
CONTROLS AND LABEL DATA		
WIRING DIAGRAM		
VOLTAGE	12V, 24V DC	12V, 24V AD/DC 110V, 230V, 400V AC

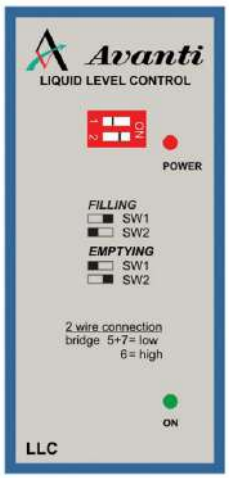
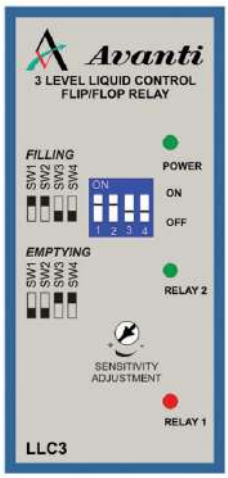
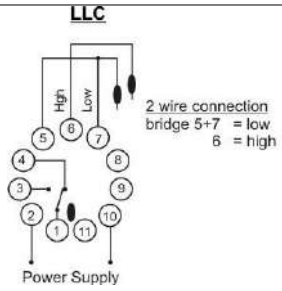
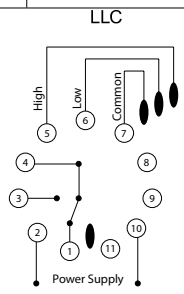
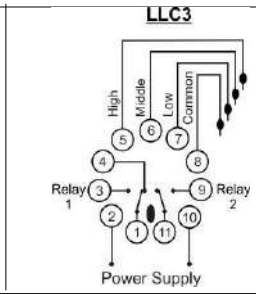
MODEL	A- VM	A- VWC	A- VWC/3	A- PFPSR
PRODUCT	Voltage Monitor Over and Under Switch Selectable	Voltage Window Comparitor "Single Phase"	Voltage Window Comparitor "Three Phase"	Phase Failure Phase Sequence Relay
DESCRIPTION OF OPERATION	The unit monitors a separate supply connected to terminals 5 + 7. On power-up the relay energises, providing the monitored voltage on pins 5 + 7 is within the set limit, the relay wil remain de-energised. Under voltage monitoring is selectable by SW1 and over voltage monitoring is selectable by SW2. The difference between the trip and recovery level "Hysteresis" is adjustable between 5 and 30%. A latch facility is between terminals 8 + 9. Latching is disabled for approx. 10 seconds at start-up. Monitors: 10 - 30AC/DC 100 - 300V AC 200 - 600V AC	The "VWC" monitors its own supply and responds to both over and under voltage. The relay is energised when the voltage remains between the over and under voltage pre-set thresholds. If the voltage rises above the over voltage set point or falls below the under set point the relay de-energises. LED indication is provided for both conditions. The relay energises when the voltage recovers to within the 2% hysteresis band. A latch facility is between terminals 8 + 9. Latching is disabled for approx. 10 seconds at start-up.	The unit derives its power from the monitored three phase supply. The relay is energised when the voltage is maintained between the over and under voltage set points. If the voltage rises above the over voltage set point, the relay de-energises. LED indication is provided for both conditions. The relay energises when the voltage recovers to within the 2% hysteresis band. A latch facility is between terminal 8 + 9. Latching is disabled for approx. 10 seconds at start-up. **Note:** For Motor Control this unit is NOT a Phase Failure Relay	When power is applied the relay energises after approx. 1 second. The unit only operate if all 3 phases are present and in the correct sequence. The unit is also sensitive to excessive phase imbalance. The relay LED will illuminate when phases are in the correct sequence. If not, swap any 2 phases connected to terminals 5, 6 + 7 to obtain the correct phase sequence, which will then be confirmed by the illumination of the LED.
CONTROLS AND LABEL DATA				
				
VOLTAGE	10 - 30V AC 110V, 230V, 400V AC	12V, 24V AC 110V, 230V, 400V AC	230V AC 400V AC	230V AC 400V AC

MODEL	A- CM	A- CWC	A- EOLR	A- PR
PRODUCT	Current Monitor Over and Under Switch Selectable	Current Window Comparitor	Electronic Overload Relay with Phase failure Protection	Pivot Relay
DESCRIPTION OF OPERATION	The unit interfaces with 5 Amp secondary CT's. When power is applied the relay energises immediately, ignoring load conditions for 10 seconds. The relay will de-energise when the load is over or under the pre-set value, depending on the switch selection. The difference between the trip and recovery level "Hysteresis" is adjustable between 5 and 30%. A latch facility is available between terminals 8 + 9.	The unit interfaces with 5 Amp secondary C.T's. When power is applied the relay energises immediately, ignoring load conditions for 10 seconds. After the start-up delay, the relay will remain energised whilst the current is maintained between the pre-set over and under load limits. If the load rises or falls beyond the set limits the relay de-energises. A LED indicates if an over or under load condition has occurred. "Hysteresis" is set at 2%. A latch facility is available between terminals 8 + 9. Adjustable response delay 1 - 10 sec on request.	Interfacing with 2 standard 5 amp current transformer units, the "EOLR" is designed for overload protection of motors. A start-up delay of 10 seconds is only initiated once load is monitored by the current transformers. A 15% above set point switch, together with a trip response timer of 0-10 seconds, makes the unit easy to set up. After trip condition, a timer prevents a rest function allowing the motor to cool down. This reset time switch selectable for either 1 or 8 minutes. The unit has a reset button as well as 2 terminals for remote reset, which must be linked should local resetting on the unit be required. There are 3 LED's indicating "Relay-On," "Trip" and "Reset Timing"	On application of power the relay energises. If the pivot draws less than the pre-set current setting, the relay will open after the time set on the over-ride timer. On shut-down the unit can be reset with the button provided. This unit is used to switch off the pump preventing over-watering should the pivot stand in one position. The "PR" can operate on a 1-5 Volt or 1-5Amp sensor. The pins 5,6 + 7 are used to select either the voltage or current sensing.
CONTROLS AND LABEL DATA				
WIRING DIAGRAM				
VOLTAGE	110V, 230V, 400V AC			10V - 30VAC/DC 110V, 230V, 400V AC

MODEL	A- FM	A- PPR - 1T8 - 23	A- PPR - 3T8 - 40
PRODUCT	Frequency Monitor 42-58Hz Over, Under & Window Switch selectable	Pump Protection Relay with phase Failure Protection and Underload Restart Timer Function - 230V	Pump Protection Relay with phase Failure Protection and Underload Restart Timer Function - 400V
DESCRIPTION OF OPERATION	When power is applied with terminal 6 + 7 linked the relay energises immediately ignoring frequency conditions for ±10 seconds. Without link 6 + 7, the relay will only energise when the frequency is within the pre-set limits. The unit can be used for over or under conditions, as well as over and under window sensing limits. LED indication is offered for both over and under frequency faults. The relay de-energises if there is deviation from these set limits. The Hysteresis is set to 0,5Hz to prevent relay chatter during small deviations in frequency.	The PPR is designed for use on motors which require sensitive overload and underload protection and is particularly suitable for offering good protection on borehole and pump set motors. The PPR offers phase failure protection which is voltage or current dependent. On power up all 3 phases must be present and connected in the following manner. L1 is used for the PPR ON/OFF control energising the unit on terminal 2. L2 connects to terminal 8. L3 connects to terminal 10. On single phase units, terminal 10 is connected to Neutral. During running the phase failure protection is dependent on the current transformer and if the PPR is set correctly, it will respond extremely fast. Both overload and underload have Set/Trip point LEDs with a common adjustable 0-10 second trip delay timer. There is fixed start-up delay of 5 seconds. A 50/5 CT, with a option of 3 connections (turns through CT), and 1 & 5 amp DIP switch selection provides various settings for motors 0.37kW to 7.5kW. For larger motors any size ring CT with a 5 amp secondary can b be used. The PPR is fitted with a underload re-start timer controlled by 4 DIP switches offering 6 time settings from 20 minutes to 8 hours (for borehole recovery). If the installation is fitted with a discharge valve and ammeter, the over and under setting combinations are numerous with loads very easy to simulate.	
CONTROLS AND LABEL DATA			
WIRING DIAGRAM			
VOLTAGE	230V, 400V AC	230V AC	400V AC

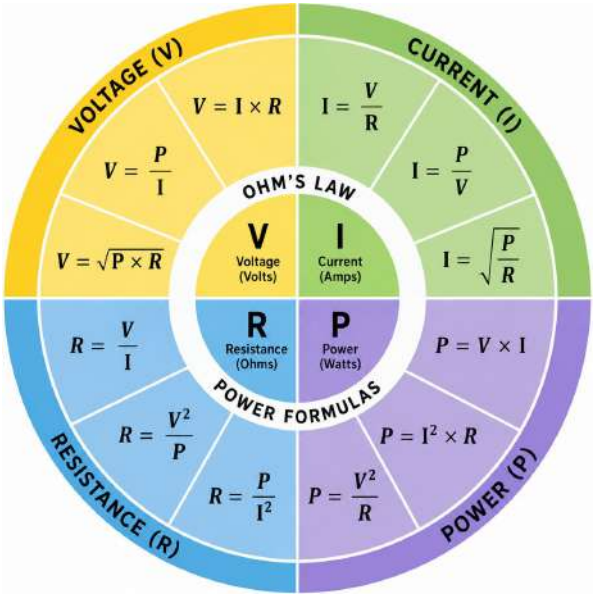
MODEL	A- DCU	A- DCU/2	A- PSM
PRODUCT	Distance Control Unit	2 Pump Distance Control Unit	Pump Seal Monitor
DESCRIPTION OF OPERATION	To control water levels in dams and reservoirs over long distances. Float Switch - 2 Wire control: When the float contact is closed between terminals 5 + 7, the relay is energised - Open to de-energise. 2 Float Switch - 3 Wire control: Stop float - normally closed contact connected to terminals 6 + 7. Start Float - normally opens across terminals 5 + 6. Closing 5 + 6 energises the relay and remains energised until stop float opens contact between 6 + 7. Voltage on float terminals = 24V DC. Distance: Up to 4km long using 1.5mm copper wire cable.	To control water levels in sumps, dams, tanks, etc. Operation is the same as the normal DCU but this unit can control 2 pumps operating at different levels. 3 Float switch (24V DC) - 4 Wire control: Stop float - normally closed contact connected to terminals 6 + 7. First start float - normally open connected to terminals 5 + 6. Second start float - normally open connected to terminals 4 + 6. Closing 5 + 6 (1st start float) will energise relay No. 1 and closing 4 + 6 (2nd start float) will energise relay No.2. Both start relays will remain energised until the stop float opens between terminals 6 + 7. This system is used for "Duty Pump" and "Stand-by Pump" applications. Where only one pump with an alarm is required, relay No.1 is used for the pump and relay No. 2 for the alarm. Where 2 pumps and alarm are required, a normal DCU can be used for the alarm operation. If this system is used, a seperate float must be used dedicated to this DCU. The interconnection of the two 24 Volt float outputs of the DCU/2 and DCU must be avoided at all times.	Designed for use on submersible pump motors incorporating a built-in oil bath. The relay energises on application of power if water enters the bath through a faulty pump seal, the relay de-energises.
CONTROLS AND LABEL DATA			
WIRING DIAGRAM			
VOLTAGE	230V, 400V AC		230V, 400V AC

MODEL	A- FFR	A- FFRP-1	A- FFRM	A- TPR
PRODUCT	Mains Controlled Flip-Flop Relay	Flip-Flop Relay Pulse Controlled Single Pole	Flip-Flop Relay with Memory	Thermistor Protection Relay
DESCRIPTION OF OPERATION	Used for alternating two pumps for duty and stand-by operation. Applying power for 30 seconds or longer and then removing the power will cause the relay to alter its state. The relay will remain in this new state until the power is re-applied and once again removed when it will then return to the initial position.	With power on terminals 2 + 10 and pulse on terminals 5 + 7 , the relay energises. A second pulse will de-energise the relay and it returns to its normal state. On loss of power on terminals 2 + 10; the relay, if energised, will de-energise and return to its original OFF state (NO MEMORY).	With power on terminals 2 + 10 a closure or pulse across terminals 5 + 7 will cause the relay to energise. A second pulse on terminals 5 + 7 will reset the relay to its normal state. After loss and re-power on terminals 2 + 10, the status of the relay, at that time, will not alter. Only after another closure or pulse on terminals 5 + 7 will the relay once again alter its state (MEMORY).	Interfacing with PTC sensors as per DIN44081 (Thermistors) embedded in the motor windings, the TPR offers excellent motor protection. The LED's indicate trip conditions for motor overheat, cable fault (short or open circuit) as well as the relays latch condition. Latching is enabled by bridging terminals 8 + 9. Open circuit voltage <=2,5V. Short circuit current= 1ma (Max). Maximum cold resistance of 1 to 6 sensors connected - 1500Ω Triggering threshold 3100Ω ± 10% Recovery threshold 1650Ω ± 10%
CONTROLS AND LABEL DATA				
WIRING DIAGRAM				
VOLTAGE	10V, 30V AC/DC 10V, 230V, 400V Ac			110V, 230V, 400V AC

MODEL	A- LLC	A- LLC3	A- AEL
PRODUCT	Liquid Level Control "Filling & Emptying" DIP Switch Selectable	3 Level liquid Level Control "Filling & Emptying" with duty cycling DIP Switch Selectable	Aquaman Electrode
DESCRIPTION OF OPERATION	Used in conjunction with 3 conductive probes connected to terminals 5 (high), 6 (middle/low) and 7 (bottom/ common). Filling: When liquid drops below the middle probe, the relay energises. The relay remains energised until the level reaches the high level probe and then de-energises. Emptying: When the liquid rises above the high probe, the relay energises. The relay de-energises when the liquid falls below the middle probe. Sensitivity - 50Ω Use "AEL" Aquaman hanging probes.	Used for control of water levels in tanks and sumps over short distances. The LLC3 controls 2 pump relays operated at different levels for "Duty" and "Standby" operation. The unit automatically alternates the pump relays between duty and standby using a built-in flip-flop action. There are 4 DIP switches available to select emptying or filling Filling: Sw 1 + 2 - ON (up position); Sw 3 + 4 - OFF (down position) Emptying: Sw 1 + 2 - OFF(down position); Sw 3 + 4 - ON (up position) Avanti AEL probes: connected to the terminals: 5 - "High;" 6 - "Middle;" 7 - "Low;" 8 - "Common" Filling: If the level is below probe 7 - "Low" both relays will energise and when the level reaches probe 5 - "High" both relays will de-energise. When the level drops below probe 6 - "Middle" relay 1 will energise and de-energise when the level reaches probe 5 - "High." The next on cycle with probe 6 - "Middle" out of the water, relay 2 will energise (alternating). If the level continues to fall and goes below the probe 7 - "Low," both pumps will energise and only de-energise when probe 5 - "High" is reached (all probes in the water). Emptying: When a rising level reaches probe 6 - "Middle," relay 2 energises and de-energises when probe 7 - "Low" is reached. On the next rising level to probe 6 - "Middle" - relay 1 will energise (alternating). If the level continues to rise and probe 5 - "High" is reached, both relays will be energised (Duty & Standby) and when the level reaches probe 7 - "Low" both relays will de-energise.	Installation Instructions: 1) Strip PVC wire 25mm long 2) Feed cover/cap onto wire. Large threaded opening facing stripped end. 3) Connect copper wire through stud hole, between nut and washer. **Do not** wind around stud and ensure copper wire tip does not extend past edge of the washer. 4) Cover connection and exposed copper with compound. Ensure compound extends in the conical shape 25mm up the wire. 5) Screw on cap. Use extruded excess compound to seal wire inlet (Sealing compound supplied with probe).
CONTROLS AND LABEL DATA			
WIRING DIAGRAM			
VOLTAGE	230V, 400V AC		

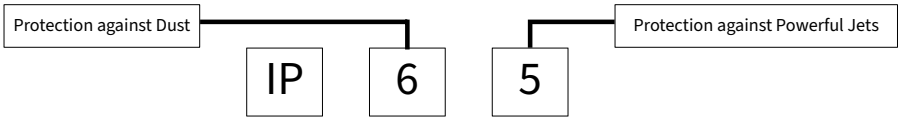
TECHNICAL INFORMATION

OHM'S LAW FORMULA WHEEL & POWER FORMULAS



OHM'S LAW & POWER FORMULAS	
To Find	**Formula**
Voltage (V)	V = I x R
Current (A)	I = V / R
Resistance (Ω)	R = V / I
Power (W)	P = V x I
Power From Current	$P = I^2 \times R$
Power From Voltage	$P = V^2 / R$
Current From Power	I = P / V
Resistance From Power	$R = V^2 / P$

IP RATING CHART



FIRST CHARACTERISTIC NUMERAL
Protect of person against access to hazardous parts and protection of equipment against ingress of solid foreign objects

Protection Type	**0**	**1**	**2**	**3**	**4**	**5**	**6**
Solid Objects / Dust	No Protection	>50mm Objects	>12.5mm Objects	>2.5mm Objects	>1mm Objects	Dust Protected	Dust Tight
Typical Protection	None	Hands	Fingers	Tools	Wires/Insect	Limited Dust Entry	Complete Dust Protection

SECOND CHARACTERISTIC NUMERAL
Protect of equipment against harmful ingress of water

Protection Type	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Water Protection	None	Dripping Water	Dripping Water (15°)	Spraying Water	Splashing Water	Water Jets	Powerful Jets	Temporary Immersion	Continuous Immersion	High Pressure Steam
Typical Environment	Indoor Dry	Condensation	Light Moisture	Rain Exposure	Outdoor Sheltered	Outdoor General	Harsh Outdoor	Underground	Submersible	Food Processing

Combined Horizontal IP Decoder

IP Rating	**Dust Protection**	**Water Protection**	**Typical Application**
IP20	Finger Safe	None	Indoor Switchboard
IP44	Objects >1mm	Splashing Water	Commercial Building
IP54	Dust Protected	Splashing Water	Industrial Panels
IP55	Dust Protected	Water Jets	Outdoor Enclosures
IP65	Dust Tight	Water Jets	Outdoor Isolators & Junction Boxes
IP66	Dust Tight	Powerful Water Jets	Mining & Industrial Plants
IP67	Dust Tight	Temporary Immersion	Water Treatment Plants
IP68	Dust Tight	Continuous Immersion	Borehole Pumps
IP69	Dust Tight	High Pressure Steam Cleaning	Food & Beverage Industry

IEC Utilization Category IEC 947-4-1			
Category	**Load Type**	**Description**	**Typical Applications**
AC-1	Resistive Loads	Switching of non-inductive or slightly inductive loads with a high-power factor and low inrush current.	Heaters, resistance furnaces, lighting distribution circuits, electric heating equipment.
AC-2	Slip-Ring Motors	Starting, plugging, and stopping of slip-ring motors. Designed to withstand high starting currents and torque.	Hoists, winches, conveyors, heavy-duty cranes.
AC-3	Squirrel-Cage Motors	Starting and switching off motors during normal running conditions. Handles motor starting currents of approximately 5–7 × rated current.	Pumps, fans, compressors, mixers, conveyors, elevators.
AC-4	Squirrel-Cage Motors (Inching/Plugging)	Frequent starting, stopping, reversing, and inching of motors under load. Requires high electrical and mechanical endurance.	Cranes, lifts, stamping presses, automated production machinery.
AC-7A	Domestic Resistive & Slightly Inductive Loads	Control of household and similar loads with low inductive characteristics.	Electric heaters, ovens, lighting circuits, household appliances.
AC-7B	Domestic Motor Loads	Control of household and commercial appliances containing motors with moderate starting currents.	Washing machines, tumble dryers, extractor fans, vacuum cleaners, garage door operators.

C & D Breaker Curves			
Curve Type	**Instantaneous Range**	**Typical Applications**	**Load Type**
C Curve	5-10 x In	General commercial and industrial loads	Mixed resistive & inductive
D Curve	10-20 x In	Motors, transformers, welders	High inrush inductive

Short-Circuit Breaking Capacity (kA Rating) and Typical Applications		
kA Rating	**Typical Fault Level**	**Typical Applications**
3 kA	Very low fault current	Residential lighting circuits, small domestic installations
4.5 kA	Low fault current	Standard residential homes, apartments, small offices
6 kA	Moderate fault current	Commercial buildings, schools, retail shops, light industrial applications
10 kA	Medium fault current	Industrial distribution boards, factories, workshops, motor control circuits
15 kA	High fault current	Large industrial plants, MCC panels, machinery distribution
25 kA	Very high fault current	Main LV distribution boards, substations, generator systems
36 kA	Severe fault current	Heavy industry, mining, large commercial facilities
50 kA	Extremely high fault current	Main incoming supplies, transformer feeders, critical infrastructure
65 kA	Very severe fault current	Large industrial plants, petrochemical facilities, mining operations
85 kA	Extremely severe fault current	Large transformer incomers, data centers, process plants

IK Rating Chart
The IK Rating define the degree of protection an enclosure provides against external mechanical impacts. Impact resistance is measured in Joules (J)

IK Rating	Impact Energy (J)	Typical Impact Equivalent	Typical Applications
IK01	0.14 J	Small Accident Contacts	Light Duty Controls
IK02	0.20 J	Minor Impact	Basic Indoor Enclosures
IK03	0.35 J	Light Mechanical Contact	Distribution Boards
IK04	0.50 J	Hand Tool Contact	Light Industrial Use
IK05	0.70 J	Moderate Impact	Commercial Installation
IK06	1.00 J	Small Dropped Object	Switchgear Panels
IK07	2.00 J	Tool Impact	Industrial Enclosures
IK08	5.00 J	Heavy Tool Impact	Factory Environment
IK09	10.00 J	Severe Impact	Public Areas, Vandal Prone Locations
IK10	20.00 J	Very heavy Impact	Mining, Industrial Infrastructure

RATED MOTOR CURRENT

The value as indicated below are for 3 Phase, 4 Pole Motors 50/60HZ in general use. The Motor power rating of MCE Contactors, Starters and Overloads are based on the values of this table.

KW	HP	Single Phase Motor	Three Phase 4 Pole Motor		Star Delta	
		230V FLC (A)	400V FLC (A)	525V FLC (A)	400V X 0.58 (A)	525V X 0.58 (A)
0.37	0.5	2.9	1	0.8	-	-
0.55	0.75	4.6	1.4	1.1	-	-
0.75	1	5.7	1.8	1.4	-	-
1.1	1.5	7.3	2.5	1.9	-	-
1.5	2	9.9	3.3	2.5	-	-
2.2	3	14.4	4.7	3.6	-	-
3	4	19.1	6.3	4.8	-	-
3.7	5	23.4	7.8	5.9	-	-
4	5.5	24	8.2	6.2	-	-
5.5	7.5	33	11	8.4	6.38	4.87
7.5	10	45.29	15	11.4	8.7	6.61
11	15	66.43	22	16.8	12.76	9.74
15	20	90.58	29	22	16.82	12.76
18.5	25	111.71	35	26.5	20.3	15.37
22	30	132.85	42	32	24.36	18.56
30	40	181.16	57	43	33.06	24.94
37	50	-	70	53	40.6	30.74
45	60	-	85	65	49.3	37.7
55	75	-	103	78	59.74	45.24
75	100	-	140	106	81.2	61.48
90	125	-	170	129	98.60	74.82
110	150	-	205	156	118.90	90.48
132	180	-	245	186	142.10	107.88
160	215	-	295	225	171.10	130.50
185	250	-	340	258	197.2	149.64
200	270	-	370	281	214.60	162.98
220	300	-	405	308	234.90	178.64
250	335	-	460	350	266.8	203
280	375	-	515	392	298.70	227.36
315	425	-	580	442	336.40	256.36

STAR DELTA RATINGS ARE CALCULATED AT FULL LOAD CURRENT X 0.58

These values are given as a guide only. They may vary depending on the type of motor and manufacturer

CABLE RATING

Cable Size (mm^2)	Air Rating (A)	Duct Rating (A)	Ground Rating (A)	Recommended Breaker (A)	Voltage Drop (mV/A/m)
1.5	18	16	20	10-16	25
2.5	24	21	27	20-25	15
4	32	28	36	25-32	9.5
6	41	36	47	32-40	6.4
10	57	50	65	50-63	3.8
16	76	67	87	63-80	2.4
25	101	89	114	80-100	1.5
35	125	110	141	100-125	1.1
50	151	133	176	125-160	0.82
70	192	169	221	160-200	0.59
95	232	205	269	200-250	0.43
120	269	238	312	250-315	0.35
150	309	273	356	315	0.29
185	353	312	406	350-400	0.24
240	415	367	476	400-450	0.19
300	477	421	545	500	0.16
400	545	480	620	630	0.13

Cable ratings, current-carrying capacities, voltage drop values, and recommended protective device sizes shown in this catalogue are intended as a general selection guide only. Actual cable sizing must be determined by a qualified person in accordance with applicable standards, including SANS 10142-1, IEC 60364, local regulations, and project-specific requirements.

STAR DELTA COMPONENT LIST

MOTOR		ISOLATOR	CONTACTORS		O/LOAD RANGE	AMMETER / CT	ENCLOSURE	F.L.C (A)	
KW	AMP	AMP	MAIN+DELTA	STAR				X 0.58	X 0.33
5.5	12	16	D09	D09	5.5-8	48² 20A Direct	103-105	6.96	3.96
7.5	16	20	D12	D09	7-10	48² 20A Direct	105-107	9.28	5.28
11	23	25	D18	D12	12-18	48² 30A Direct	105-107	13.34	7.59
15	30	40	D25	D12	12-18	48² 40A Direct	105-107	17.4	9.9
18.5	37	40	D32	D18	17-25	72² 40/5	107-108	21.46	12.21
22	43	63	D38	D18	23-32	72² 50/5	107-108	24.94	14.19
30	59	80	D50	D40	30-40	72² 60/5	111-117	34.22	19.47
37	72	100	D65	D40	37-50	72² 100/5	111-117	41.76	23.76
45	85	100	D65	D40	48-65	72² 100/5	111-117	49.30	28.05
55	105	125	D80	D40	55-70	72² 150/5	114-122	60.90	34.65
75	142	160	F115	D65	80-93	72² 150/5	122-127	82.36	46.86
90	170	200	F150	D65	85-120	72² 200/5	127-127	98.60	56.10
110	210	250	F150	D80	110-140	72² 250/5	127-127	121	69.30
132	250	300	F185	D95	90-150	72² 300/5	127-129	145	82.50
160	300	400	F225	F115	132-220	72² 400/5	127-129	174	100

STAR DELTA RATINGS ARE CALCULATED AT FULL LOAD CURRENT X 0.58

These values are given as a guide only. They may vary depending on the type of motor and manufacturer

Coil VA Rating (Power Consumption)

PART NO: MCE -	D09	D12	D18	D25	D32	D38	D40	D50	D60	D80	D95
Current Rating : AC 3	9	12	18	25	32	38	40	50	60	80	95
AC 1	20	25	32	40	50	50	60	80	80	125	125
400V KW	4	5.5	7.5	11	15	15	18.5	22	30	37	45
Contacts: Main	3	3	3	3	3	3	3	3	3	3	3
Aux	1	1	1	1	1	1	1+1	1+1	1+1	1+1	1+1
Inrush VA	60	60	60	90	90	90	200	200	200	200	200
Holding VA	7	7	7	7.5	7.5	7.5	20	20	20	20	20

PART NO: MCE -	F115	F150	F185	F225	F265	F330	F400	F500	F630	UKC1-800-M
Current Rating : AC 3	115	150	185	225	265	330	400	500	630	800
AC 1	200	250	275	300	350	400	500	700	1000	1250
400V KW	55	75	90	110	132	160	220	275	375	450
Contacts: Main	3	3	3	3	3	3	3	3	3	3
Aux	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT	TOP MOUNT
Inrush VA	660	660	966	966	840	1200	1075	1100	1650	2100
Holding VA	55	55	66	66	12	18	18	20	35	60

FOR ANY TECHNICAL DRAWINGS, DATA SHEETS OR SPECIFICATIONS
REFER TO OUR WEBSITE WWW.MCE.CO.ZA
OR EMAIL TECHNICAL@MCE.CO.ZA

MCE®
ELECTRIC

Wired To Inspire



2026
2027

25 Years Anniversary CELEBRATION

Thank you for 25 Years of Trusted Partnerships

MATRIX | ORACLE | **TRINITY** WIRING ACCESSORIES

ONESTO®







Canalplast Power Skirting

The smart, elegant and adaptable solution for todays connected spaces

Smart Power, Intergrated.

Delivers power, data and multimedia service in one sleek, intergrated system.

Flexible & Customisable

Available in 2-compartment and 3-compartment configurations to suit any space requirement.

Engineered for Reliability

Designed for safe, effecient power distribution with easy access for installation and maintanance.

Versatile Applications

Ideal for homes, offices, hospitals, schools, retail spaces and more.

Clean, Organised, Future-Ready

Keeps environments near, accessible and ready for evolving technology.

Powering spaces. Connecting people.
The smarter way forward




KINFOLK
LIVE BEAUTIFUL
THIS IS HOME

SYS45 Power Skirting & Accessories











2 Compartment Power Skirting & Accessories

SYS1252	125 x 50 x 2 2 Compartment White Trunking
LD125LBEU	L Joint For Flat Bend - SYS1252
LD125EBEU	Outer Bend - SYS1252
LD125IBEU	Innner Bend - SYS1252
LD125TBEU	T Joint For Wall Deviations - SYS1252

SYS45 Power Skirting & Accessories











2 Compartment Power Skirting Accessories

SC045	Spare Cover - SYS 1252
STT125BEU	End Cap - SYS 1252
SGCOBEU	Cover Joint - SYS 1252
LD125GBEU	Complete Cover Joint - SYS 1252

3 Compartment Power Skirting

SYS1603	160 x 50 x 2 3 Compartment White Trunking

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

SYS45 Power Skirting Accessories











3 Compartment Power Skirting & Accessories

LD160LBEU	L Joint For Flat Bend For 3 Compartment - SYS1603
LD160EBEU	Outer Bend For 3 Compartment - SYS1603
LD160IBEU	Inner Bend For 3 Compartment - SYS1603
LD160TBEU	T Joint For Wall Deviations For 3 Compartment - SYS1603
SC045	Spare Cover - SYS1603

SYS45 Power Skirting Accessories



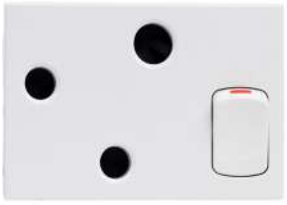


3 Compartment Power Skirting Accessories

STT160BEU	End CAP For 3 Compartment - SYS1603
SGCOBEU	Cover Joint - SYS1603



Oracle Power Skirting Dedicated Switched Sockets



White Switched Socket Module

OPS-001

Single 16A 250V Power
Skirting Socket Module Horizontal



Red Dedicated Switched Socket Module

OPSD-001

Single 16A 250V Power
Skirting Dedicated Socket
Red Module Horizontal



Blue Dedicated Switched Socket Module

OPSD-001BL

Single 16A 250V Power
Skirting Dedicated Socket
Blue Module Horizontal



Black Dedicated Switched Socket Module

OPSD-001BK

Single 16A 250V Power
Skirting Dedicated Socket
Black Module Horizontal

Fits All Floor Boxes & Power Skirtings

Matrix Power Skirting Dedicated Switched & Unswitched Sockets



Red Dedicated Switched Socket Module

MXM-PD001

16A Single Switched Socket Outlet Horizontal Dedicated-Red Module

L



Red Dedicated Unswitched Socket Module

MXM-PD001U

16A Single Unswitched Socket Dedicated - Red Module

S | S



Blue Dedicated Unswitched Socket Module

MXM-PD001U-BL

16A Single Unswitched Socket Dedicated-Blue Module

S | S



Black Dedicated Unswitched Socket Module

MXM-PD001U-BK

16A Single Unswitched Socket Dedicated-Black Module

S | S

Power Skirting Accessories





OPS-MA



T-OPS-MA



BK-OPS-MA



MXM-001CG



T-MXM-001CG



BK-MXM-001CG

Module Blank

OPS-BNK	Power Skirting Blank Module

Module Adapter

OPS-MA	Single Module Adapter
T-OPS-MA	Single Module Adapter
BK-OPS-MA	Single Module Adapter

Power Skirting - Cord Grip

MXM-001CG	Cord Grip Module
T-MXM-001CG	Cord Grip Module
BK-MXM-001CG	Cord Grip Module



Please Ensure That The Modules Are Assembled According to SANS 101042 By Qualified Installation Electrician

ONESTO

ORACLE **RANGE**



INDUSTRIAL SOCKETS, WALL & UTILITY BOXES

Industrial Sockets & Wall Boxes











Industrial Socket

ONPI-001	Single Switched Industrial Socket
ONPI-002	Double Switched Industrial Socket

Wall Boxes

ONGW2001	4x2 0,5mm Galvanised Steel Wall Box
ONGW4001	4x4 0,5mm Galvanised Steel Wall Box

Wall Boxes

ONEO2001	4X2 0.5mm Open Extension Steel Wall Box

Speak to your architect about what switches & sockets you want & have the right wall box to fit your needs.
Choose your box before you choose your plugs and switches.
4x2 for your light switches, 4x4 for your plugs & sockets

Wall & Utility Boxes







Wall Boxes

ONEO4001	4X4 0,5mm Open Extension Steel Wall Box
ONEC2001	4x2 0,5mm Closed Extension Steel Wall Box
ONEC4001	4x4 0,5mm Closed Extension Steel Wall Box





Utility Box

OPS01	4x2 DMC Socket Enclosure
OPS02	4x4DMC Socket Enclosure

Speak to your architect about what switches & sockets you want & have the right wall box to fit your needs.
Choose your box before you choose your plugs and switches.
4x2 for your light switches, 4x4 for your plugs & sockets

ONESTO

MATRIX
WIRING SYSTEMS



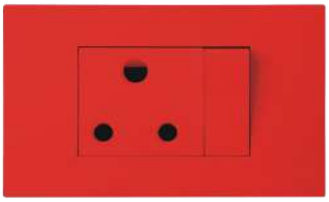


DEDICATED
SWITCH SOCKETS

POWER. CONTROL. SAFETY

Engineered for high-performance environments, the dedicated switch socket ensures safe and reliable power for your heavy-duty tools and equipment.

Dedicated Switched Sockets



4x2 Dedicated Socket

MXPD-2001 — 4x2 16A Single Switched Socket Outlet Horizontal Dedicated- Red



4x4 Dedicated Socket

MXPD-4001V — 4x4 16A Single Switched Socket Outlet Horizontal Dedicated- Red



4x4 Dedicated Socket

MXPD-4002 — 4x4 16A Single Switched Socket Outlet Horizontal Dedicated- Red

Monoblock

Unswitched Dedicated Sockets



4x2 Unswitched Dedicated Socket - Horizontal

		Specification Code:
	4x2 2 Lever Surround Only	MXG-2002W
	16A Single Unswitched Socket Dedicated - Red Module Supplied Modular	MXM-PD001U



4x2 Unswitched Dedicated Socket - Horizontal

		Specification Code:
	4x2 2 Lever Surround Only	MXG-2002W
	16A Single Unswitched Socket Dedicated - Blue Module Supplied Modular	MXM-PD001U-BL



4x2 Unswitched Dedicated Socket - Horizontal

		Specification Code:
	4x2 2 Lever Surround Only	MXG-2002W
	16A Single Unswitched Socket Dedicated - Blue Module Supplied Modular	MXM-PD001U-BK

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

Dedicated Switched Sockets



4x2 Switched Dedicated Socket - Horizontal

		Specification Code:
	4x2 2 Lever Surround Only	MXG-2002W
	16A Single Switched Socket Dedicated Horizontal - Red Module	MXM-PD001

Supplied Modular



4x4 Switched Dedicated Socket - Vertical

		Specification Code:
	4x4 1+1 Lever Surround Only	MXG-4001W
	16A Single Switched Socket Dedicated Vertical - Red Module	MXM-PD001V

Supplied Modular



4x4 Switched Dedicated Socket - Vertical

		Specification Code:
	4x4 1+1 Lever Surround Only	MXG-4002W
	2 x16A Single Switched Socket Dedicated Vertical - Red Module	MXM-PD001V

Supplied Modular

ONESTO



DIN/MINI RAIL ADAPTER & PLUG SOCKET

ORACLE **RANGE**
MATRIX
WIRING SYSTEMS



FLUSH MOUNT SOCKET & PANEL MOUNT SOCKETS

Matrix Accessories



Din/Mini Rail Adaptor

MXM-ADAP

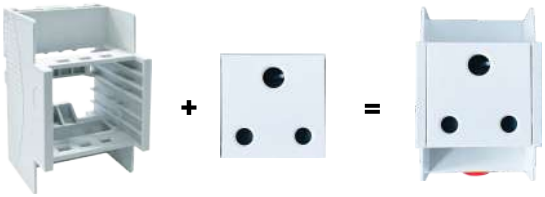
Din/Mini Rail Adapter Module Fits below specified Matrix Modules in All colours:

MXM-P001U, MXM-P001EU, MXM-S001RSA, MXM-S001, MXM-001BNK.

For Convenient Power Point Or Switch Points in your DB.

Modules Sold Separately

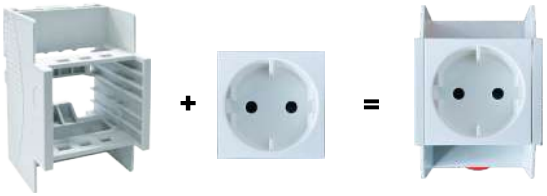
DOMESTIC USAGE



MXM-ADAP + MXM-P001U = COMPLETE



COMMERCIAL USAGE



MXM-ADAP + MXM-S001RSA = COMPLETE



Wiring Accessories



Plug Socket

3PZA	16A 3 Pin Rewireable New ZA Plug Socket



Flush Mount Socket

ORFS001	6A 3 Pin Flush Mount Socket- Round



Panel Mount Socket

OMS001	Mini Panel Mount Socket
OMSD001	Mini Red Dedicated Socket - Panel Mount

ONESTO

OUTDOOR
WEATHERPROOF SWITCHES & SOCKETS

RELIABLE CONNECTIONS. BUILT FOR THE OUTDOORS

The Matrix Outdoor ranger delivers safe, reliable power in all conditions. Built to withstand the elements, it's the perfect solution for any outdoor environment

AVAILABLE IN POPULATED AND UNPOPULATED ENCLOSURES

UNPOPULATED ENCLOSURES





Flexible configuration to build your ideal solution with a wide range of Matrix compatible modules

POPULATED ENCLOSURES





Ready-to-use combinations with Matrix Modules for reliable connections.

WEATHERPROOF

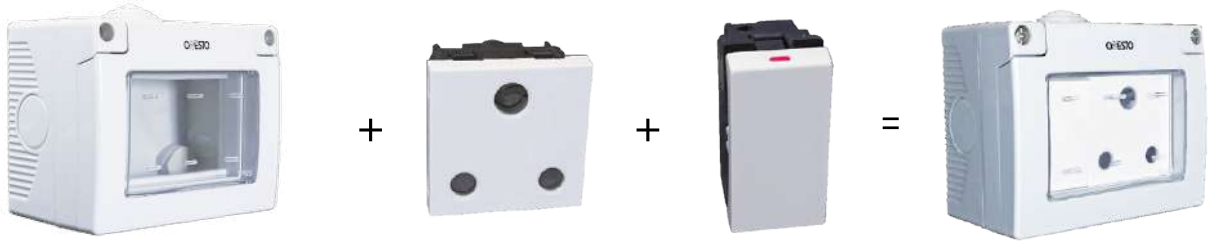
IP55 rated protection against water and dust

DURABLE

Robust construction for long-lasting performance



CONFIGURE. PROTECT. RELIABLE PERFORMANCE



SECURE COVER

Designed to keep the elements out

BUILT FOR OUTDOORS

Ideal for gardens, patios, garages, and all outdoor environments.

Outdoor Empty Weatherproof Enclosures - IP55



1 Module Enclosure

MXM-OF0551	1 Way Empty Enclosure IP55 - Surface Mount



2 Module Enclosure

MXM-OF0552	2 Way Empty Enclosure IP55 - Surface Mount



3 Module Enclosure

MXM-OF0553	3 Way Empty Enclosure IP55 - Surface Mount



4 Module Enclosure

MXM-OF0554	4 Way Empty Enclosure IP55 - Surface Mount

Outdoor Empty Weatherproof Enclosures - IP55



6 Module Enclosure

MXM-OF0556 — 6 Way Empty Enclosure IP55 - Surface Mount

Populated Outdoor Weatherproof Enclosures - IP55



Unswitched Socket

MXM-OFP001EU — 16A Unswitched Slimline Socket Surface Mount IP55

1



Unswitched Socket

MXM-OFP001U — 16A Unswitched Socket Surface Mount IP55

1 1



Switched Socket

MXM-OFOPS001 — 16A Switched Socket Surface Mount IP55

1 1 1

Populated Outdoor Weatherproof Enclosures -IP55



Schuko Socket

MXM-OFP001RSA	16A Schuko Unswitched Socket - Surface Mount IP55 (RSA Specification)	1	1



1 Lever Switch

MXM-OFS001	1 Lever 1 Way Switch Surface Mount IP55	1



1 Lever Switch

MXM-OFS002	1 Lever 2 Way Switch Surface Mount IP55	1



1 Lever Switch

MXM-OFI021	20A 2 Pole Switch Surface Mount IP55	1

Populated Outdoor Weatherproof Enclosures -IP55



2 Lever Switch

MXM-OFS552

2 Lever 1 Way Surface Mount IP55

1	1



3 Lever Switch

MXM-OFS553

3 Lever 1 Way Surface Mount IP55

1	1	1



4 Lever Switch

MXM-OFS554

4 Lever 1 Way Surface Mount IP55

1	1	1	1



6 Lever Switch

MXM-OFS556

6 Lever 1 Way Surface Mount IP55

1	1	1	1	1	1

White Switch Modules



1 or 2 Way Switch Module

MXM-S001	16A 1 Way Switch Module	S
MXM-S002	16A 2 Way Switch Module	



1 or 2 Way Split Switch Module

MXM-SS001	16A 1 Lever 1 Way Split Switch Module	S
MXM-SS002	16A 1 Lever 2 Way Split Switch Module	



Bell Press Switch Module

MXM-S001B	16A Bell Press Switch Module	S



Rotary Dimmer Module

MXM-150D	220-240 VAC | 5W-100W 2 Way Trailing Edge Dimmer Module	S
MXM-250D	220-240 VAC | 5W-250W 2 Way Trailing Edge Dimmer Module	

White Switch Modules



Dim On-Off Switch Module

MXM-S001D	16A Dim On Off Module	S



Blind Controller Module

NEW!

MXM-001BLND	16A Blind Controller Module	S



Intermediate Switch Module

MXM-S001I	16A Intermediate Switch Module	S



20A Double Pole Switch

MXM-I021	20A 2P Switch Module	S

White Unswitched & Switched Modules



Slimline Socket Module

MXM-P001EU	16A Slimline Horizontal Unswitched Socket Module (New ZA Plug Socket)	S



Single Socket Module

MXM-P001U	16A Single Unswitched Socket Module	S S



RSA Schuko Module

MXM-S001RSA	16A Single Unswitched Socket Schuko RSA Specification Module	S S



USB & Type C Switched Module

MXM-C001	20W USB A & Type-C with Quick Charge & 5V 3A USB 3.0 Switched Module	S S

White Unswitched & Switched Modules



16A Slimline Socket Module

MXM-P001EUU

16A Slimline Socket (New ZA Plug)
16A Single Unswitched Socket Outlet
Vertical Module

Monoblock: Quick & Easy Connection

L



16A Unswitched Socket Module

MXM-P003EU

3 x 16A Unswitched New ZA Plug Socket
Vertical Module

Monoblock: Quick & Easy Connection

L



Single Switched Socket Module

MXM-P001H

16A Single Switched Socket
Outlet Horizontal Module

L



Single Switched Socket Module

MXM-P001V

16A Single Switched
Socket Outlet Vertical Module

L

ONESTO

MATRIX WIRING SYSTEMS

COMPLETE POP-UP TOWERS

Connectivity at your fingertips

OFFICE SOLUTIONS

The Matrix Populated Desk and Counter Pop-Up Housing provides a practical and stylish power solution for modern workspaces. Available in six pre-configured options, it offers convenient access to power, data, USB, and multimedia connections while keeping surfaces neat and clutter-free. Designed for desks, counters, meeting rooms, and collaborative spaces, it delivers the connectivity you need exactly where you need it.

CONVENIENT POWER ACCESS

SLEEK & SPACE SAVING DESIGN

BUILT FOR SAFETY AND RELIABILITY

ONESTO



MULTIPLE POWER OPTIONS

Support for diverse workplace devices

POP UP. PLUG IN.

Retractable design stays out of the way

DURABLE & RELIABLE

Engineered for long lasting performance

MODULAR CONFIGURATIONS

Compatible with Matrix modules

Complete Pop Up Towers



Pop Up

NEW!

MX5-222

Stainless Steel Top Cover

16A Overload Protection Switch.

x3 New ZA Sockets

x2 16A Unswitched Sockets

x1 20W USB Type C Quick Charge 5V 3A Switched Socket Module

1,4m Extension Cord

Cut Out Size: 95mm



Pop Up

NEW!

MX5-412

Stainless Steel Top Cover

16A Overload Protection Switch.

x5 New ZA Sockets

x1 16A Unswitched Sockets

x1 20W USB Type C Quick Charge 5V 3A Switched Socket Module

1,4m Extension Cord

Cut Out Size: 95mm



Pop Up

MX5-420

Stainless Steel Top Cover

16A Overload Protection Switch.

x5 New ZA Sockets

x2 16A Unswitched Sockets

1,4m Extension Cord

Cut Out Size: 95mm

Complete Pop Up Towers



Pop Up

NEW!

MX5-602

Stainless Steel Top Cover

16A Overload Protection Switch.

x7 New ZA Sockets

x1 20W USB Type C Quick Charge 5V 3A Switched Socket Module

1,4m Extension Cord

Cut Out Size: 95mm



Pop Up Standard

E-POP3

Plastic Top Cover

x3 16A Unswitched Sockets

x2 New ZA Sockets

Cut Out Size: 80mm



Pop Up - USB Charging Port

NEW!

E-POP4

Plastic Top Cover

x1 20W USB Type C Quick Charge 5V 3A Switched Socket Module

x2 16A Unswitched Sockets

x2 New ZA Plug Sockets

Cut Out Size: 80mm

ONESTO

UNPOPULATED DESK & CABINET HOUSING

MATRIX
WIRING SYSTEMS

DESIGN YOUR CONNECTIONS BUILT AROUND YOU.

Onesto Desk & Cabinet Housing Collection provides a stylish, flexible solution for integrating power, data and AV connectivity into desks, cabinetry and workspaces. Compatible with the Matrix Modular Range, these unpopulated housings allow fully customised configurations to suit residential, commercial, healthcare, educational and bespoke applications. Modules available in seven premium finishes, Onesto combines seamless design, future-ready connectivity and the flexibility to integrate power, USB charging, data and multimedia solutions within a single platform.

CREATE YOUR OWN. EXACTLY HOW YOU NEED IT



FULLY CUSTOMISABLE SOLUTIONS

COMPATIBLE WITH MATRIX MODULES

DURABLE & BUILT TO PERFORM

SEAMLESS INTEGRATION INTO ANY SPACE

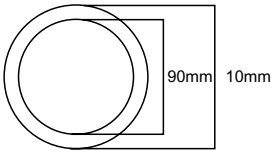
Unpopulated Desk, Counters & Cabinet Housing



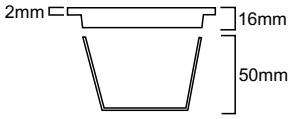
Unpopulated Module Housing

MX2

Die Cast Aluminium
3 Way Grommet
Round Housing



Cut Out Size: 100mm



Modules Excluded

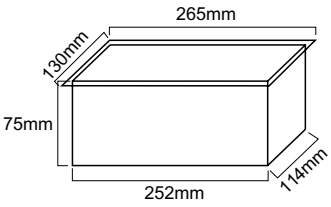




Unpopulated Flush Mounted Housing

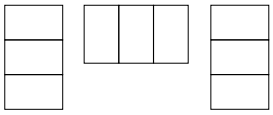
MX3

Aluminium
9 Way
Flush Mounted Housing for Desks,
Counters, & Cabinets



Cut Out Size: 252mm x115mm

Modules Excluded

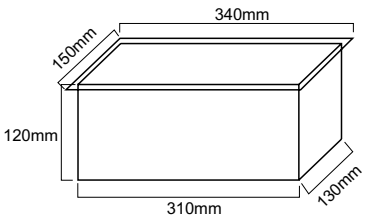




Unpopulated Flush Mounted Housing

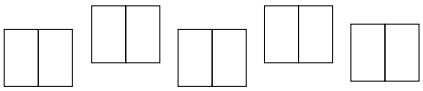
MX4

Aluminium
10 Way
Flush Mounted Housing for Desks,
Counters & Cabinets



Cut Out Size: 315mm x 132mm

Modules Excluded



Fits all Matrix Modules

ONESTO

FLOOR

HOUSING POP-UPS



BUILT INTO THE FLOOR. BUILT FOR PERFORMANCE.

The Onesto Pop-Up Floor Housing range provides a stylish and flexible solution for power, data, USB, multimedia and AV connectivity in residential, commercial, healthcare and hospitality environments.

Designed for complete customization, each unpopulated housing can be configured to your exact requirements using the versatile Onesto Matrix Modular system. Available in seven premium finishes — White, Black, Titanium, Magnesium, Bronze, Champagne and Midnight Black — the range allows seamless coordination with modern interiors.

Combining durability, functionality and elegant design, Onesto Pop-Up Floor Housings deliver convenient access to essential services while maintaining a clean, uncluttered aesthetic.

Pop-Up Floor Housing



Unpopulated Floor Housing

FB-SPU-5S



Aluminium Alloy
3 Way
Pop Up
Square Housing

Modules Excluded



Unpopulated Floor Housing

FB-SPU-26L



Aluminium Alloy
4 Way
Pop Up
Round Housing

Modules Excluded



Unpopulated Floor Housing

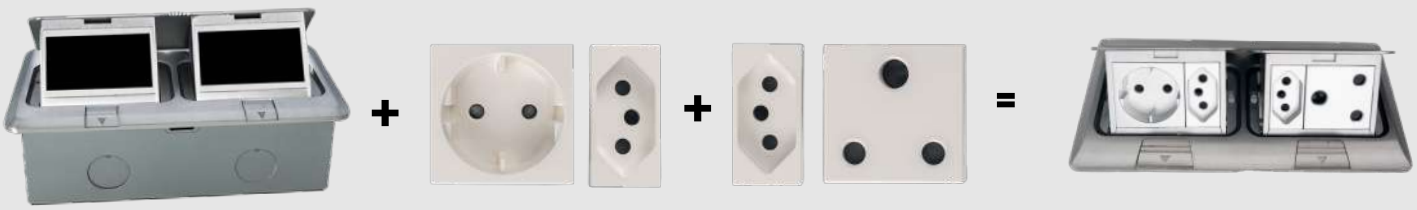
FB-SPU-12L



Aluminium Alloy
6 Way
Pop Up
Square Housing

Modules Excluded

Choose It. Build It




ONESTO

Pop-Up Floor Housing



NEW!

Unpopulated Floor Housing

FB-SPU-11BK



Black
3 Way
Retractable Closing Lid
Square Housing

Modules Excluded



NEW!

Unpopulated Floor Housing

FB-SPU-11T



Titanium
3 Way
Retractable Closing Lid
Square Housing

Modules Excluded



These Matrix modules will fit into the above floor housings - MXM-P001EU, MXM-P001U, MXM-S001, MXM-S001RSA, MXM-MFS, MXM-C001, MXM-PD001U, MXM-PD001U-BK, MXM-PD001U-BL & MXM-PD001U-R Modules available in White, Black & Titanium

ONESTO

switch2slim







8.22mm

SWITCH 2 SLIM. DESIGNED FOR MODERN SPACES. BUILT TO LAST.

Introducing the Onesto Oracle Range a sophisticated collection of White and Graphite Black switches and sockets designed for modern spaces where style, simplicity and performance matter. With its ultra-slim profile and minimalist design, Oracle brings a modern architectural aesthetic to every residential, commercial and hospitality environment.

Built with the quality and durability that have become synonymous with Onesto, the Oracle Range combines sleek appearance with everyday reliability, delivering a solution that looks exceptional while standing the test of time.

Available in both 4x2 and 4x4 configurations, Oracle provides the flexibility to accommodate a wide range of applications while maintaining a consistent, streamlined appearance throughout your project.

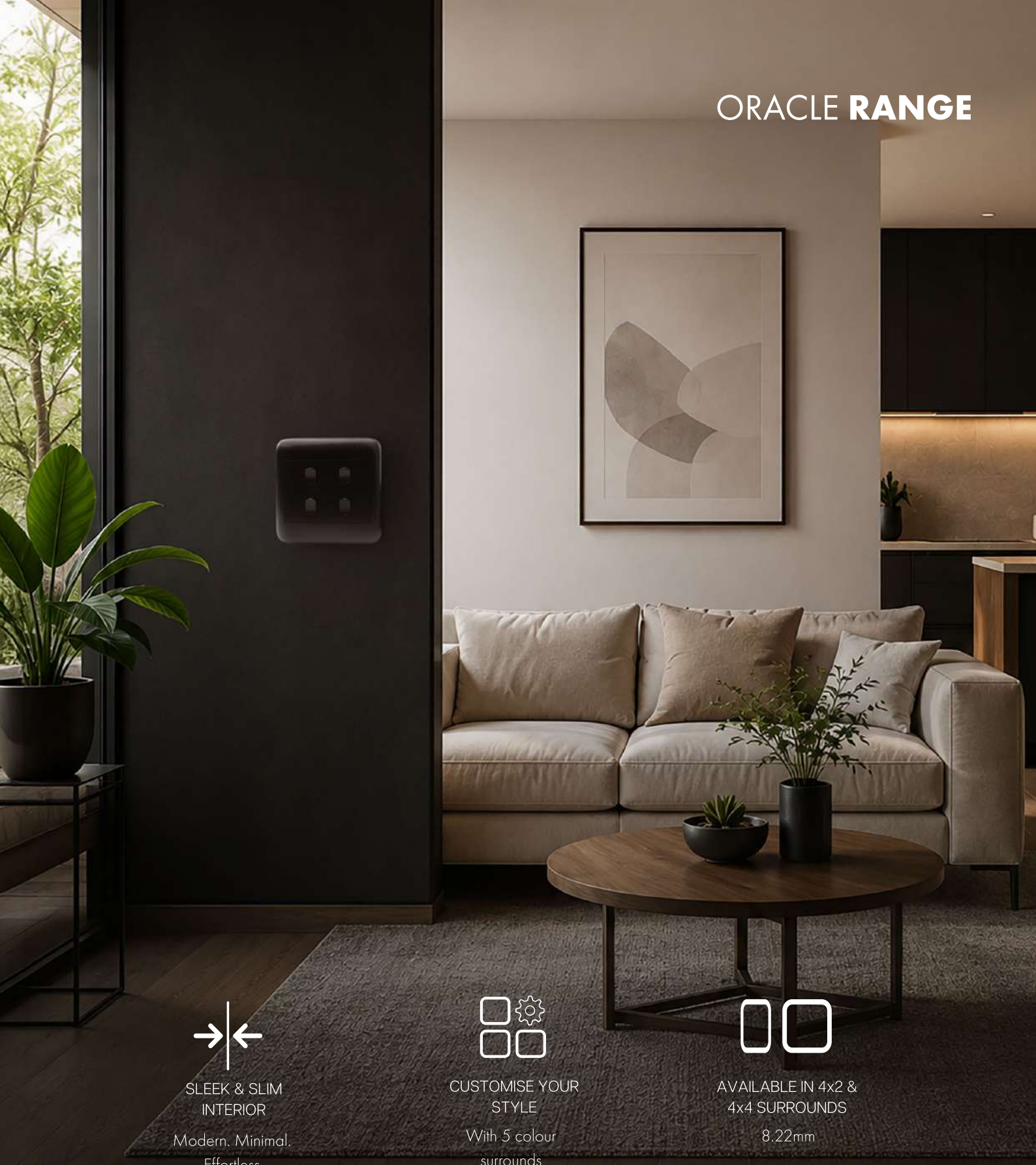
Enhance your design with a selection of premium surround finishes including White, Pearl White, Black, Champagne, Copper.

Each finish has been carefully selected to complement contemporary interiors, allowing you to create a coordinated look that seamlessly integrates with your chosen décor.

Whether you're designing a luxury home, a modern apartment, a boutique hotel or a sophisticated commercial space, the Oracle Range offers the perfect balance of style, functionality and quality.



ORACLE **RANGE**



SLEEK & SLIM INTERIOR

Modern. Minimal. Effortless

CUSTOMISE YOUR STYLE

With 5 colour surrounds

AVAILABLE IN 4x2 & 4x4 SURROUNDS

8.22mm

BLENDS SEAMLESSLY

To any surface

DURABLE QUALITY

Polycarbonate

CONFORMS TO SANS

60669-1 & 60884-1

Switches

Switch2Slim








4x2 1 Lever Switch

ON2011	1 Lever 1 Way Switch White
ON2012	1 Lever 2 Way Switch White
ON2011BK	1 Lever 1 Way Switch Graphite Black
ON2012BK	1 Lever 2 Way Switch Graphite Black

4x2 2 Lever Switch

ON2021	2 Lever 1 Way Switch White
ON2022	2 Lever 2 Way Switch White
ON2021BK	2 Lever 1 Way Switch Graphite Black
ON2022BK	2 Lever 2 Way Switch Graphite Black

4x2 3 Lever Switch

ON2031	3 Lever 1 Way Switch White
ON2032	3 Lever 2 Way Switch White
ON2031BK	3 Lever 1 Way Switch Graphite Black
ON2032BK	3 Lever 2 Way Switch Graphite Black

8 Per Box - 80 Per Carton

Switches

Switch2Slim





4x2 4 Lever Switch

ON2041	4 Lever 1 Way Switch White
ON2042	4 Lever 2 Way Switch White
ON2041BK	4 Lever 1 Way Switch Graphite Black
ON2042BK	4 Lever 2 Way Switch Graphite Black





4x2 5 Lever Switch

ON2051	5 Lever 1 Way Switch White
ON2052	5 Lever 2 Way Switch White
ON2051BK	5 Lever 1 Way Switch Graphite Black
ON2052BK	5 Lever 2 Way Switch Graphite Black





4x2 6 Lever Switch

ON2061	6 Lever 1 Way Switch White
ON2062	6 Lever 2 Way Switch White
ON2061BK	6 Lever 1 Way Switch Graphite Black
ON2062BK	6 Lever 2 Way Switch Graphite Black

8 Per Box - 80 Per Carton

Switched Sockets

Switch2Slim





4x2 Switched Socket

ONP2001	Single RSA Switch Socket Horizontal White
ONP2001BK	Single RSA Switch Socket Horizontal Graphite Black



4x2 Switched Socket

ONP2001V	Single RSA Switch Socket Vertical White





4x2 Switched Socket

ONP2011	Single RSA & New ZA Plug Socket White
ONP2011BK	Single RSA & New ZA Plug Socket Graphite Black

8 Per Box - 80 Per Carton

Shaver Socket & Switches

Switch2Slim



4x2 Shaver Socket

ONPS-201	Shaver Plug White





4x2 Bell Switch

ON2011B	Bell Push Switch White
ON2011BBK	Bell Push Switch Graphite Black





4x2 20A Double Pole Switch

ON2220	20A 2P Switch White
ON2220BK	20A 2P Switch White Graphite Black

8 Per Box - 80 Per Carton

Switches and Sockets

Switch2Slim





4x2 Intermediate Switch

ON201IS	Intermediate Switch White
ON20ISBK	Intermediate Switch Graphite Black





4x2 TV Socket

ONT2001	TV Socket White
ONT2001BK	TV Socket Graphite Black





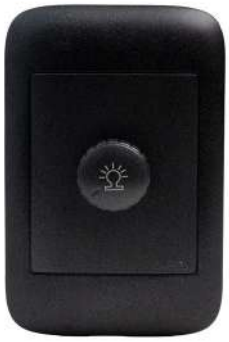
4x2 Satelite Socket

ONT2002	Satelite Socket White
ONT2002BK	Satelite Socket Graphite Black

8 Per Box - 80 Per Carton

Switches and Sockets

Switch2Slim

4x2 Dimmer Rotary Dial

ONT2003	500W 200 VA Dimmer Rotary Dial Type White
ONT2003BK	500W 200 VA Dimmer Rotary Dial Type Graphite Black




4x2 Data Socket

ONT2004	RJ45 Cat5 Data Socket White
ONT2004BK	RJ45 Cat5 Data Socket Graphite Black




4x2 Telephone Socket

ONT2005	RJ11 Telephone Socket White
ONT2005BK	RJ11 Telephone Socket Graphite Black

8 Per Box - 80 Per Carton

Switches

Switch2Slim




4x2 Dimmer Switch

ONT2006	1 Lever Dim On-Off (Push Type) Dimmer Regulator White
ONT2006BK	1 Lever Dim On-Off (Push Type) Dimmer Regulator to be Ordered Separately Graphite Black




4x2 20A Double Pole Switch

ONT2007	20A 2P Switch + Indicator White
ONT2007BK	20A 2P Switch + Indicator Graphite Black




4x2 Intermediate Switch

ONT2008	Intermediate Switch + 1 Lever 1 Way White
ONT2008BK	Intermediate Switch + 1 Lever 1 Way Graphite Black

8 Per Box - 80 Per Carton

Switches

Switch2Slim





4x2 Thermostat Switch

ONT2009	16A Thermostat - Under Floor Heating 10°-40°C LED Indication White
ONT2009BK	16A Thermostat - Under Floor Heating 10°-40°C LED Indication Graphite Black

NEW!

8 Per Box - 80 Per Carton



4x2 Fan Controller Switch

ONT2010	Fan Controller White

8 Per Box - 80 Per Carton





4x4 1 Lever Switch

ON4011	1 Lever 1 Way Switch White
ON4012	1 Lever 2 Way Switch White
ON4011BK	1 Lever 1 Way Switch Graphite Black
ON4012BK	1 Lever 2 Way Switch Graphite Black

5 Per Box - 80 Per Carton

Switches

Switch2Slim





4x4 2 Lever Switch

ON4021	2 Lever 1 Way Switch White
ON4022	2 Lever 2 Way Switch White
ON4021BK	2 Lever 1 Way Switch Graphite Black
ON4022BK	2 Lever 2 Way Switch Graphite Black





4x4 3 Lever Switch

ON4031	3 Lever 1 Way Switch White
ON4032	3 Lever 2 Way Switch White
ON4031BK	3 Lever 1 Way Switch Graphite Black
ON4032BK	3 Lever 2 Way Switch Graphite Black





4x4 4 Lever Switch

ON4041	4 Lever 1 Way Switch White
ON4042	4 Lever 2 Way Switch White
ON4041BK	4 Lever 1 Way Switch Graphite Black
ON4042BK	4 Lever 2 Way Switch Graphite Black

5 Per Box - 80 Per Carton

Switches & Isolators

Switch2Slim





4x4 5 Lever Switch

ON4051	5 Lever 1 Way Switch White
ON4052	5 Lever 2 Way Switch White
ON4051BK	5 Lever 1 Way Switch Graphite Black
ON4052BK	5 Lever 2 Way Switch Graphite Black

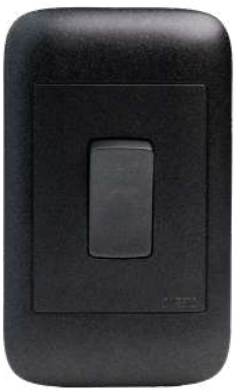




4x4 6 Lever Switch

ON4061	6 Lever 1 Way Switch White
ON4062	6 Lever 2 Way Switch White
ON4061BK	6 Lever 1 Way Switch Graphite Black
ON4062BK	6 Lever 2 Way Switch Graphite Black





4x2 Isolator

ONI2230	30A 2 Pole Isolator Switch White
ONI2230BK	30A 2 Pole Isolator Switch Graphite Black

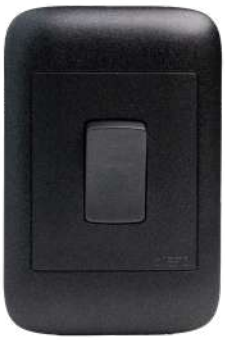
8 per box 80 per carton

5 Per Box - 80 Per Carton

Isolators

Switch2Slim













4x2 Isolator

ONI2245	45A 2 Pole Isolator White
ONI2345	45A 3 Pole Isolator White
ONI2245BK	45A 2 Pole Isolator Graphite Black
ONI2345BK	45A 3 Pole Isolator Graphite Black

8 per box 80 per carton

4x4 Isolator

ONI4245	45A 2 Pole Isolator White
ONI4345	45A 3 Pole Isolator White
ONI4245BK	45A 2 Pole Isolator Graphite Black
ONI4345BK	45A 3 Pole Isolator Graphite Black

4x4 Isolator

ONI4260	60A 2 Pole Isolator White
ONI4360	60A 3 Pole Isolator White
ONI4260BK	60A 2 Pole Isolator Graphite Black
ONI4360BK	60A 3 Pole Isolator Graphite Black

5 Per Box - 80 Per Carton

Switched Sockets

Switch2Slim



4x4 Switched Socket

ONP4001	Single RSASwitched Socket White
ONP4001BK	Single RSA Switched Socket Graphite Black



4x4 Switched Socket

ONP4002	Double RSA Switched Socket White
ONP4002BK	Double RSA Switched Socket Graphite Black



4x4 Switched Socket

ONP4011	X1 RSA Switched Socket + x1 New ZA Switched Socket White
ONP4011BK	X1 RSA Switched Socket + x1 New ZA Switched Socket Graphite Black

5 Per Box - 80 Per Carton

Switched Sockets

Switch2Slim




4X4 Switched Socket

ONP4012	X1 RSA Switched Socket + x2 New ZA Switched Socket White
ONP4012BK	X1 RSA Switched Socket + x2 New ZA Switched Socket Graphite Black




4x4 Switched Socket

ONP4013	X1 RSA Switched Socket + x3 New ZA Switched Socket White
ONP4013BK	X1 RSA Switched Socket + x3 New ZA Switched Socket Graphite Black




4x4 Lever Switch

ONP4111	X1 RSA Switched Socket + X1 New ZA Switched Socket + X1 Schuko Socket White
ONP4111BK	X1 RSA Switched Socket + X1 New ZA Switched Socket + X1 Schuko Socket Graphite Black

5 Per Box - 80 Per Carton

Switched Sockets

Switch2Slim





4x4 Switched Socket

ONP4012AC	x1 RSA Switched Socket x1 New ZA Switched Socket + x1 Type A + x1 Type USB (5VDC 3400MA Max 18W) White
ONP4012ACBK	x1 RSA Switched Socket x1 New ZA Switched Socket + x1 Type A + x1 Type USB (5VDC 3400MA Max 18W) Graphite Black





4x4 Switched Socket

ONP4112AC	x1 RSA Switched Socket + x1 New ZA Switched Socket + x1 Type A + x1 Type USB (5VDC 3400MA Max 18W) White
ONP4112ACBK	x1 RSA Switched Socket + x1 New ZA Switched Socket + x1 Type A + x1 Type USB (5VDC 3400MA Max 18W) Graphite Black









Thermostat Switches

Switch2Slim



4x4 Thermostat

ONT4009

16A Thermostat - Underfloor
Heating 10°-40°C LED Indication
White



NEW!

ONT4009BK

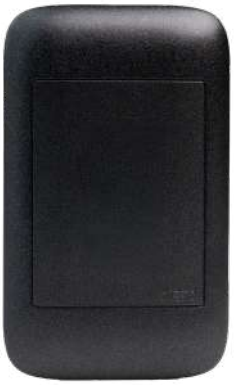
16A Thermostat - Underfloor
Heating 10°-40°C LED Indication
Graphite Black



Blank Covers

Switch2Slim









Blank Cover

ONB4002	Blank Cover White
ONB4002BK	Blank Cover Graphite Black

Blank Cover

ONB4001	Blank Cover White
ONB4001BK	Blank Cover Graphite Black



Surrounds

Switch2Slim





4x2 Surrounds

ON2011Y	1 Lever White Surround Only
ON2011YBK	1 Lever Graphite Black Surround Only





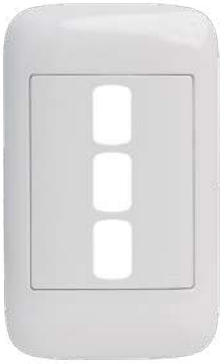
4x2 Surrounds

ON2021Y	2 Lever White Surround Only
ON2021YBK	2 Lever Graphite Black Surround Only



Surrounds

Switch2Slim





4x2 Surrounds

ON2031Y	3 Lever White Surround Only
ON2031YBK	3 Lever Graphite Black Surround Only





4x2 Surrounds

ON2041Y	4 Lever White Surround Only
ON2041YBK	4 Lever Graphite Black Surround Only



Surrounds

Switch2Slim



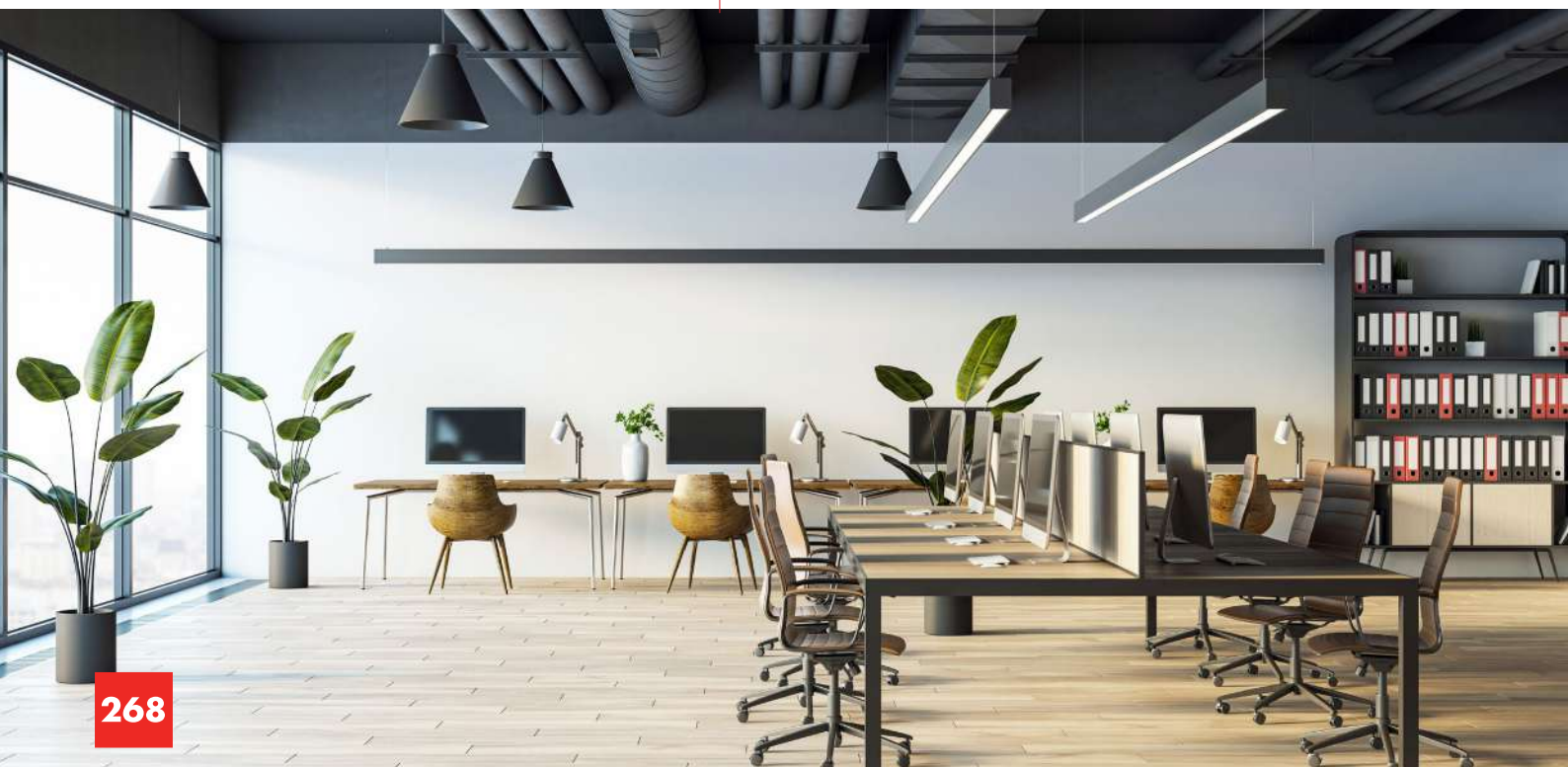
4x2 Surrounds

ON2051Y	5 Lever White Surround Only
ON2051YBK	5 Lever Graphite Black Surround Only



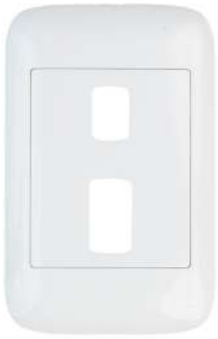
4x2 Surrounds

ON2061Y	6 Lever White Surround Only
ON2061YBK	6 Lever Graphite Black Surround Only



Surrounds

Switch2Slim





4x2 Surrounds

ON20ISY	Intermediate Or 20A 2P + 1 lever 1 Way White Surround Only
ON20ISYBK	Intermediate Or 20A 2P + 1 lever 1 Way Graphite Black Surround Only





4x2 Surrounds

ON2220Y	Intermediate or 20A 2P White Surround Only
ON2220YBK	Intermediate or 20A 2P Graphite Black Surround Only





4x4 Surrounds

ON4011Y	1 Lever Switch White Surround Only
ON4011YBK	1 Lever Switch Graphite Black Surround

Surrounds

Switch2Slim





4x4 Yokes

ON4021Y	2 Lever White Surround Only
ON4021YBK	2 Lever Graphite Black Surround Only





4x4 Yokes

ON4031Y	3 Lever White Surround Only
ON4031YBK	3 Lever Graphite Black Surround Only





4x4 Yokes

ON4041Y	4 Lever White Surround Only
ON4041YBK	4 Lever Graphite Black Surround Only

Surrounds

Switch2Slim





4X4 Yoke

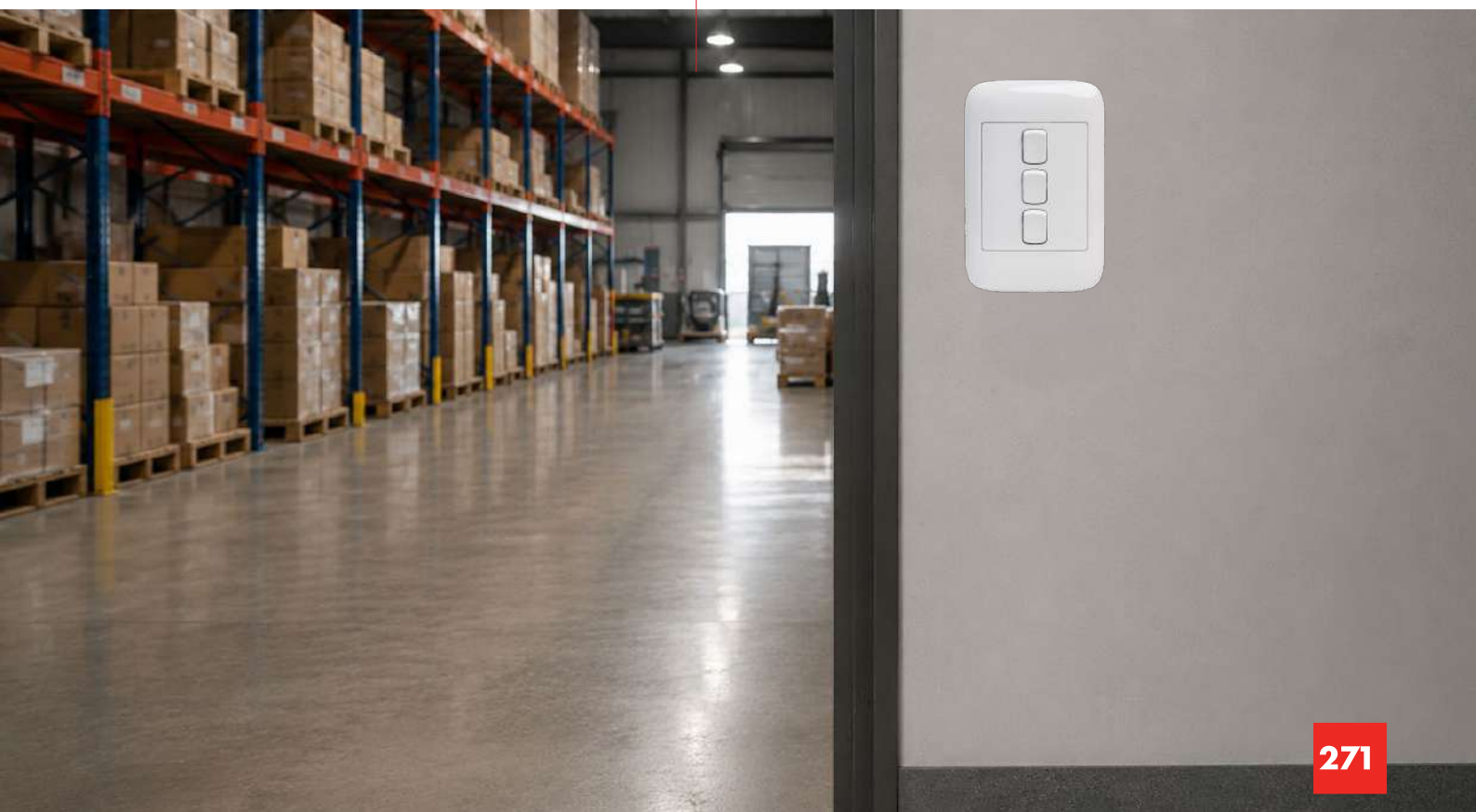
ON4051Y	5 Lever White Surround Only
ON4051YBK	5 Lever Graphite Black Surround Only





4x4 Yoke

ON4061Y	6 Lever White Surround Only
ON4061YBK	6 Lever Graphite Black Surround Only



ONESTO®

SURROUNDS

FOR ALL ORACLE

4x2 & 4x4 SOCKETS

Add the perfect finish touch with our premium range of colour surrounds.

Designed to complement any space and style, our surrounds bring versality, elegance and a refined look to every Oracle socket.







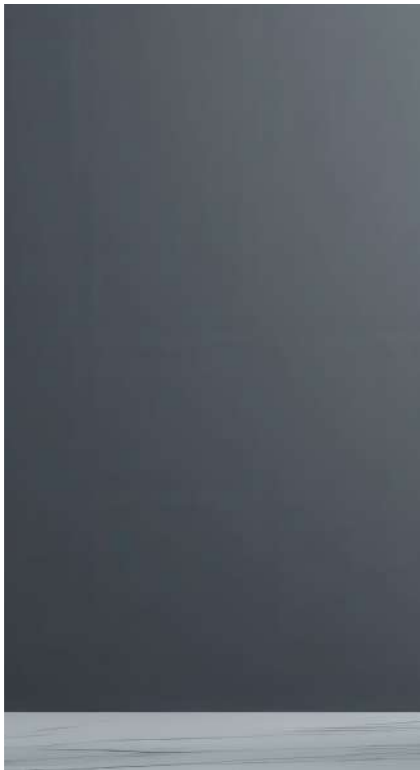


4x2 Surrounds



4x4 Surrounds





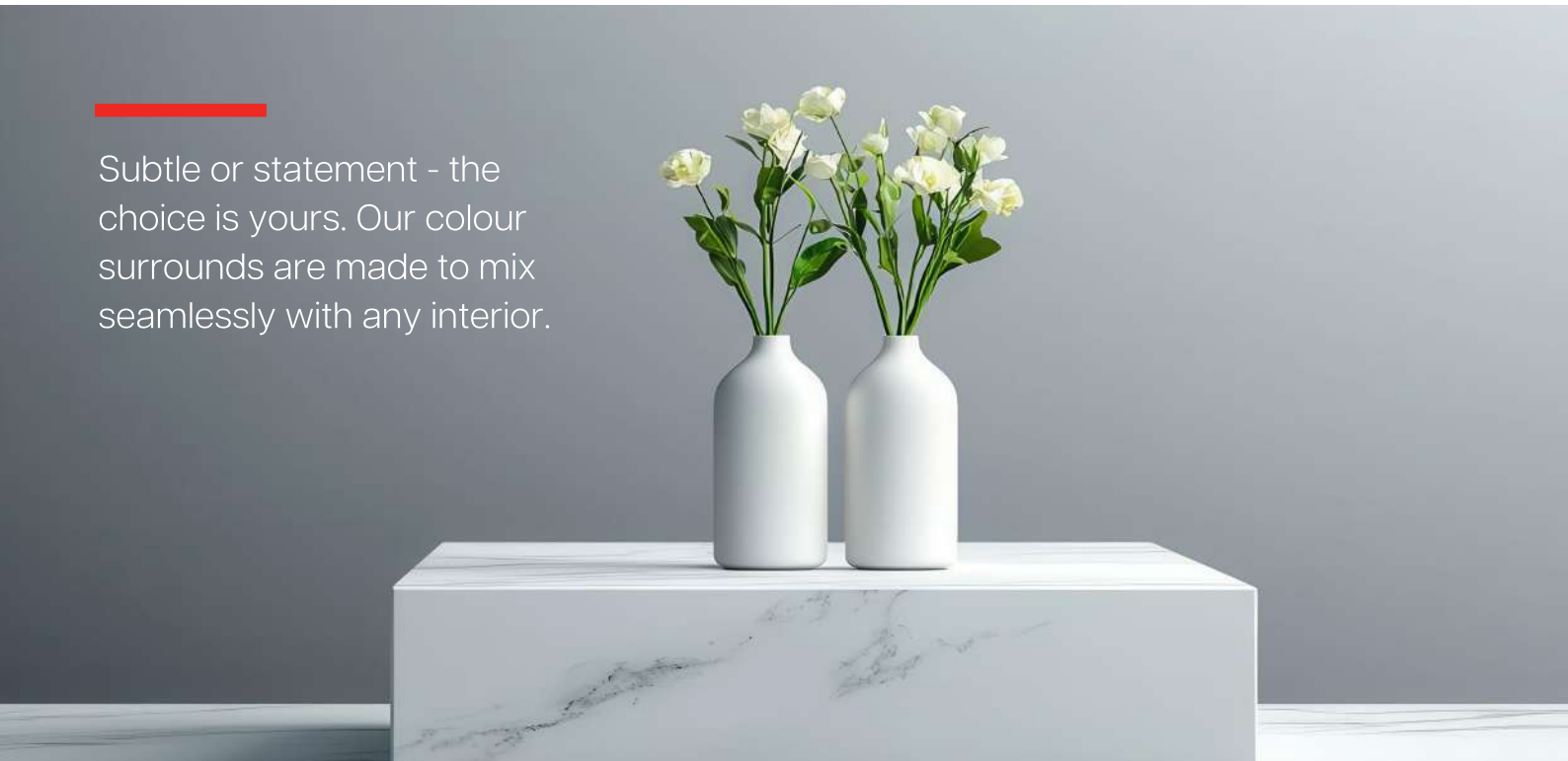
ORACLE **RANGE**







Subtle or statement - the choice is yours. Our colour surrounds are made to mix seamlessly with any interior.



Surrounds



4x2 Surrounds

	ON2000S-B	Black 4x2 Surround
	ON2000S-CH	Champagne 4x2 Surround
	ON2000S-C	Copper 4x2 Surround
	ON2000S-T	Titanium 4x2 Surround
	ON2000S-P	Pearl 4x2 Surround



4x4 Surrounds

	ON4000S-B	Black 4x4 Surround
	ON4000S-CH	Champagne 4x4 Surround
	ON4000S-C	Copper 4x4 Surround
	ON4000S-T	Titanium 4x4 Surround
	ON4000S-P	Pearl 4x4 Surround



Switches

Surrounds Are Versatile, They Clip On And Off Easily



ON2011

ON2000SCH
Surrounds Only

Final Product

Change The Surrounds to Suit Your Colour Scheme Needs



ON4011BK

ON4000S-P
Surrounds Only

Final Product



Dedicated Switched Sockets

Engineered for Load Intergrity



4X2 16A Dedicated Sockets

ONPD201	16A Red Dedicated Switch Socket Horizontal
ONPD201BL	16A Blue Dedicated Switch Socket Horizontal
ONPD201BK	16A Black Dedicated Switch Socket Horizontal



4x4 16A Dedicated Single Socket

ONPD401	16A Red Dedicated Switch Socket
ONPD401BL	16A Blue Dedicated Switch Socket
ONPD401BK	16A Black Dedicated Switch Socket



4x4 16A Dedicated Double Socket

ONPD402	16A Red Dedicated Switch Socket
ONPD402BL	16A Blue Dedicated Switch Socket
ONPD402BK	16A Black Dedicated Switch Socket

Modules




ONM001	16A 1 Way Switch Module White
ONM001BK	16A 1 Way Switch Module Graphite Black




ONM002	16A 2 Way Switch Module White
ONM002BK	16A 2 Way Switch Module Graphite Black





ONMDIM	Dim On-Off Module White
ONDIMBK	Dim On-Off Module Graphite Black




ONMBNK	Blank 1 Lever Module White
ONMBNKBK	Blank 1 Lever Module Graphite Black




ONMBEL	Bell Press Module White
ONMBELBK	Bell Press Module Graphite Black




ONM2220	20A DP Switch Module White
ONM2220BK	20A DP Switch Module Graphite Black

Modules




ONMTV	Television Module White
ONMTVBK	Television Module Graphite Black




ONMTEL	Telephone Module RJ11 White
ONMTELBK	Telephone Module RJ11 Graphite Black



ONMIND	Indication Module Graphite Black




ONM20IS	Intermediate Switch White
ONM20ISBK	Blank 1 Lever Module Graphite Black




ONMDAT5	Data Module RJ45 CAT 5 White
ONMDAT6	Data Module RJ45 CAT 6 White
ONMDAT5-BK	Data Module RJ45 CAT 5 Graphite Black
ONMDAT6-BK	Data Module RJ45 CAT 6 Graphite Black




ONMSAT	Satelite Module White
ONMSATBK	Satelite Module Graphite Black

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

TRINITY

WIRING ACCESSORIES

Sleek & Modern

Slim, clean lines for a contemporary finish

Effortless Switching

Smooth operation designed for everyday ease

Refined Design

A perfect balance of form and function

85mm Slim Profile

A sleek silhouette that blends seamlessly with any wall

Medium Sized Switches

Perfectly proportioned for practicality and style

Conforms To SANS

SANS 60669-1 & SANS 60884-1







Switches

Simple. Sophisticated. Elegant



4x2 16A 1 Lever Switch

TS2011	16A 1 Lever 1 Way Switch White
TS2012	16A 1 Lever 2 Way Switch White
BK-TS2011	16A 1 Lever 1 Way Switch Graphite Black
BK-TS2012	16A 1 Lever 2 Way Switch Graphite Black



4x2 16A 2 Lever Switch

TS2021	16A 2 Lever 1 Way Switch White
TS2022	16A 2 Lever 2 Way Switch White
BK-TS2021	16A 2 Lever 1 Way Switch Graphite Black
BK-TS2022	16A 2 Lever 2 Way Switch Graphite Black



4x2 16A 3 Lever Switch

TS2031	16A 3 Lever 1 Way Switch White
TS2032	16A 3 Lever 2 Way Switch White
BK-TS2031	16A 3 Lever 1 Way Switch Graphite Black
BK-TS2032	16A 3 Lever 2 Way Switch Graphite Black

Switches

Simple. Sophisticated. Elegant



4X2 16A 1 Lever Bell Switch

TS2011B	16A 1 Lever Bell Press White
BK-TS2011B	16A 1 Lever Bell Press Graphite Black



4x4 16A 4 Lever Switch

TS4041	16A 4 Lever 1 Way Switch White
TS4042	16A 4 Lever 2 Way Switch White
BK-TS4041	16A 4 Lever 1 Way Switch Graphite Black
BK-TS4042	16A 4 Lever 2 Way Switch Graphite Black



4x4 16A 6 Lever Switch

TS4061	16A 6 Lever 1 Way Switch White
TS4062	16A 6 Lever 2 Way Switch White
BK-TS4061	16A 6 Lever 1 Way Switch Graphite Black
BK-TS4062	16A 6 Lever 2 Way Switch Graphite Black

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

Switched Sockets

Simple. Sophisticated. Elegant





4x2 16A Horizontal Switched Socket

TSP2001H	Single RSA Switched Socket Horizontal
BK-TSP2001H	Single RSA Switched Socket Horizontal





4x2 16A Horizontal Switched Socket

TSP2012	Single RSA & New ZA Plug Switched Socket White
BK-TSP2012	Single RSA & New ZA Plug Switched Socket Graphite Black





4x4 16A Horizontal Switched Socket

TSP4001	Single RSA Switched Socket White
BK-TSP4001	Single RSA Switched Socket Graphite Black

Switched Sockets

Simple. Sophisticated. Elegant





4X4 16A Switched Socket

TSP4002	Double RSA Switched Socket White
BK-TSP4002	Double RSA Switched Socket Graphite Black





4x4 16A Switched Socket

TSP4011	x1 RSA Switched Socket & x1 New ZA Plug Socket White
BK-TSP4011	x1 RSA Switched Socket & x1 New ZA Plug Socket Graphite Black





4x4 16A Switched Socket

TSP4013	X1 RSA Switched Socket + x3 New ZA Switched Socket White
BK-TSP4013	X1 RSA Switched Socket + x3 New ZA Switched Socket Graphite Black

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

Switched Sockets & Isolators

Simple. Sophisticated. Elegant





4x4 16A Switched Socket

TSP4111	X1 RSA Switched Socket + X1 New ZA Switched Socket + X1 Schuko Socket White
BK-TSP4111	X1 RSA Switched Socket + X1 New ZA Switched Socket + X1 Schuko Socket Graphite Black





4x4 16A Switched Socket

TSP4112AC	X1 RSA Switched Socket + X1 New ZA Switched Socket + X1 Type A + 1 Type C USB Switched Socket (5VDC 3400MA) White
BK-TSP4112AC	X1 RSA Switched Socket + X1 New ZA Switched Socket + X1 Type A + 1 Type C USB Switched Socket (5VDC 3400MA) Graphite Black





4x2 Isolator

TSI2230	30A 2 Pole Isolator White
TSI2330	30A 3 Pole Isolator White
BK-TSI2230	30A 2 Pole Isolator Graphite Black
BK-TSI2330	30A 3 Pole Isolator Graphite Black

Isolators

Simple. Sophisticated. Elegant





4x2 Isolator

TSI2245	45A 2 Pole Isolator White
TSI2345	45A 3 Pole Isolator White
BK-TSI2245	45A 2 Pole Isolator Graphite Black
BK-TSI2345	45A 3 Pole Isolator Graphite Black





4x4 Isolator

TSI4245	45A 2 Pole Isolator White
TSI4345	45A 3 Pole Isolator White
BK-TSI4245	45A 2 Pole Isolator Graphite Black
BK-TSI4345	45A 3 Pole Isolator Graphite Black





4x4 Isolator

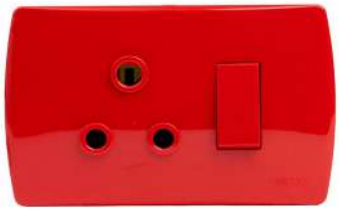
TSI4260	60A 2 Pole Isolator White
TSI4360	60A 3 Pole Isolator White
BK-TSI4260	60A 2 Pole Isolator Graphite Black
BK-TSI4360	60A 3 Pole Isolator Graphite Black

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

Dedicated Switched Sockets

Simple. Sophisticated. Elegant

4x2 16A Dedicated Socket



TSPD2001H	Single Dedicated Switched Socket Horizontal

4x4 16A Dedicated Single Socket



TSPD4001	Single Dedicated Switched Socket

4x4 16A Dedicated Double Socket



TSPD4002	Double Dedicated Switched Socket

Surrounds

Simple. Sophisticated. Elegant



4x2 Surrounds

TS2011Y	1 Lever White Surround Only
BK-TS2011Y	1 Lever Graphite Black Surround Only



4x2 Surrounds

TS2021Y	2 Lever White Surround Only
BK-TS2021Y	2 Lever Graphite Black Lever Surround Only



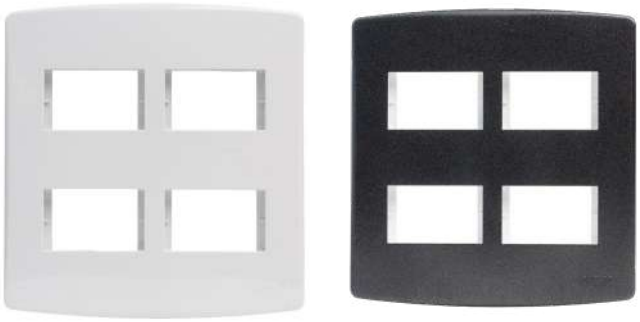
4x2 Surrounds

TS2031Y	3 Lever White Surround Only
BK-TS2031Y	3 Lever Graphite Black Surround Only

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

Surrounds

Simple. Sophisticated. Elegant



4x4 Surrounds

TS4041Y	4 Lever White Surround Only
BK-TS4041Y	4 Lever Graphite Black Surround Only



4x4 Surrounds

TS4061Y	6 Lever White Surround Only
BK-TS4061Y	6 Lever Graphite Black Surround Only



Modules




TSM001	16A 1 Gang 1 Way Switch White
BK-TSM001	16A 1 Gang 1 Way Switch Graphite Black




TSM002	16A 1 Gang 2 Way Switch White
BK-TSM002	16A 1 Gang 2 Way Switch Graphite Black




TSM2220	20A Double Pole Switch White
BK-TSM2220	20A Double Pole Switch Graphite Black




TSMDIM	Dim-On-Off Module White
BK-TSMDIM	Dim-On-Off Module Graphite Black




TSMBEL	16A Bell Press White
BK-TSMBEL	16A Bell Press Graphite Black




TSMDIMR	500W Rotary Dimmer White
BK-TSMDIMR	500W Rotary Dimmer Graphite Black

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.

Modules




TSMF401W	Rotary Fan White
BK-TSMF401W	Rotary Fan Graphite Black




TSMUSB	2 Amp USB Socket White
BK-TSMUSB	2 Amp USB Socket Graphite Black




TSMTEL	Telephone Module White
BK-TSMTEL	Telephone Module Graphite Black




TSMDAT	Data Module (Cat 5) White
BK-TSMDAT	Data Module (Cat 5) Graphite Black




TSMTV	Television Module White
BK-TSMTV	Television Module Graphite Black




TSMSAT	Satelite Module White
BK-TSMSAT	Satelite Module Graphite Black

Modules




TSMITV	16A 1 Gang Switch White
BK-TSMITV	16A 1 Gang Switch Graphite Black




TSM001EU	16A 1 Gang Switch White
BK-TSM001EU	16A 1 Gang Switch Graphite Black



TSMBNK	1 Lever Blanking Module White
BK-TSMBNK	1 Lever Blanking Module Graphite Black



TSB2001	4X2 Blank Cover White
BK-TSB2001	4X2 Blank Cover Graphite Black




TSB4001	4X4 Blank Cover White
BK-TSB4001	4X4 Blank Cover Graphite Black

Please Ensure That The Modules Are Assembled According to SANS 10142 by a Qualified Installation Electrician.


-lite®
creating a green legacy



LIGHTING SECTION

ORION ECO

LED UFO HIGH BAY



- EXCELLENT CRI
- ANTI-GLARE
- IP66 WATER/DUST RESISTANT
- 06 IK RATING
- SURGE SHIELD
- LONG LASTING
- ULTRA SLIM FIT

Perfect For:

Warehouses | Workshops | Supermarkets | Gym Spaces

ORION ECO

LED UFO HIGH BAY

OL-UFO



5 YEAR WARRANTY

6500K
Cool White

Product Code	Wattage	Voltage	Power Factor	Lumens/ Watt	Surge Protection	IP Rating	Beam Angle	Dimensions Height LxH
OL-UFO-100W	100W	185 - 265VAC	0.9	100lm /Watt	6kV	IP66	90°	235 x 105mm
OL-UFO-150W	150W	185 - 265VAC	0.9	100lm /Watt	6kV	IP66	90°	287 x 105mm
OL-UFO-200W	200W	185 - 265VAC	0.9	100lm /Watt	6kV	IP66	90°	336 x 105mm
OL-UFO-300W	300W	185 - 265VAC	0.9	100lm /Watt	6kV	IP66	90°	372 x 105mm



ACCESSORIES

COV-UFO - Aluminium Cover Available

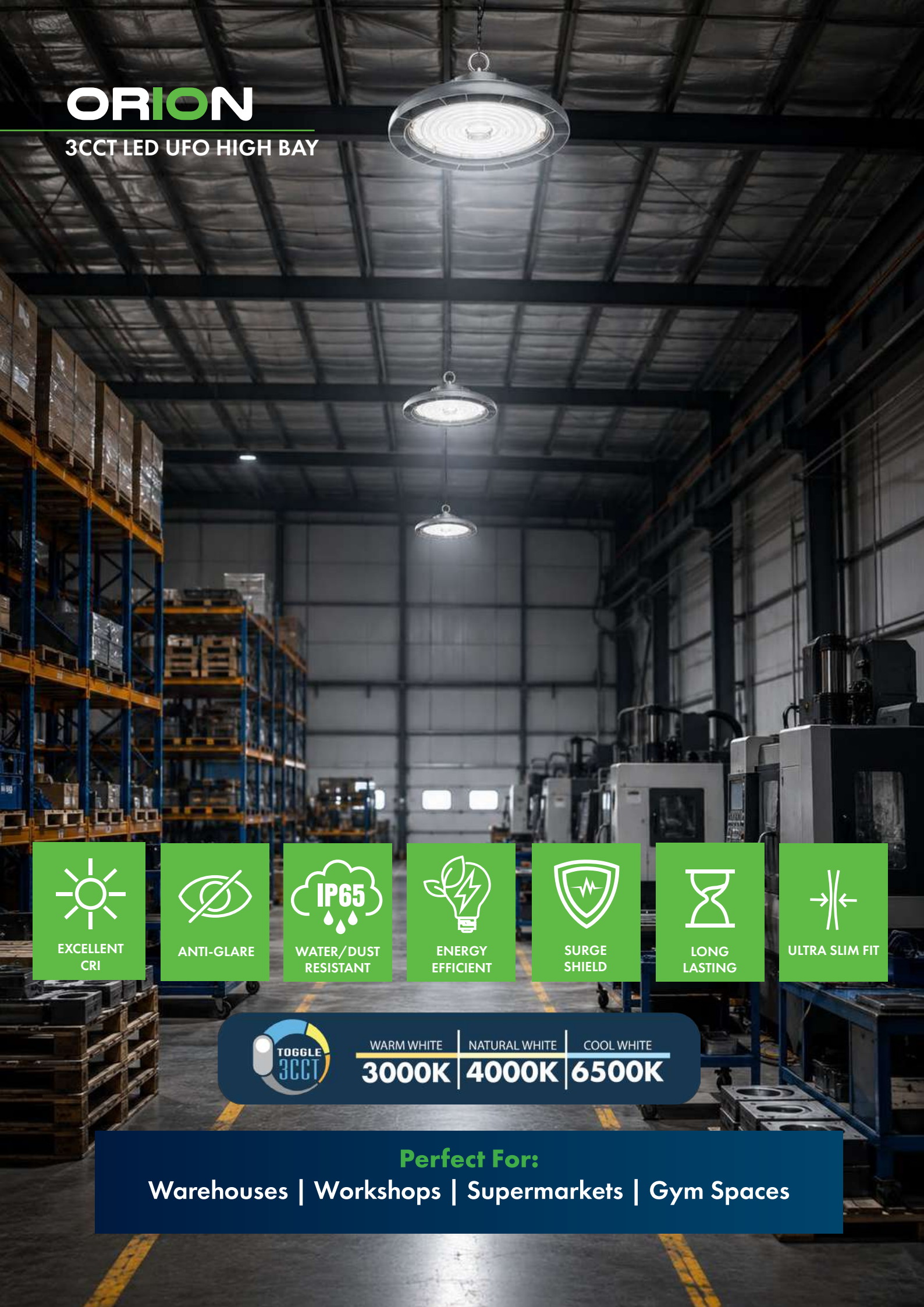
*Sold Separately. *Refer to page 290 for covers.*

Complies to SANS 60598-2-1

NRCS APPROVED

ORION

3CCT LED UFO HIGH BAY



- EXCELLENT CRI
- ANTI-GLARE
- IP65 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- SURGE SHIELD
- LONG LASTING
- ULTRA SLIM FIT

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

Warehouses | Workshops | Supermarkets | Gym Spaces

ORION

3CCT LED UFO HIGH BAY

3CCT-OL-UFO

NEW RANGE!



5 YEAR WARRANTY

TOGGLE 3CCT Selectable CCT

SUITABLE FOR COASTAL REGIONS

TOGGLE 3CCT | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

Product Code	Wattage	Voltage	Power Factor	Lumens/ Watt	Surge Protection	IP Rating	Beam Angle	Dimensions Height LxH
3CCT-OL-UFO-100W	100W	100 - 300VAC	0.9	150lm /Watt	6kV	IP65	90°	235 x 105mm
3CCT-OL-UFO-150W	150W	100 - 300VAC	0.9	150lm /Watt	6kV	IP65	90°	287 x 105mm
3CCT-OL-UFO-200W	200W	100 - 300VAC	0.9	150lm /Watt	6kV	IP65	90°	336 x 105mm
3CCT-OL-UFO-300W	300W	100 - 300VAC	0.9	150lm /Watt	6kV	IP65	90°	372 x 105mm



ACCESSORIES

COV-UFO - Aluminium Cover Available

*Sold Separately. *Refer to page 290 for covers.*

Complies to SANS 60598-2-1

NRCS APPROVED

ORION

UFO HIGH BAY COVER

COV-UFO



OPTIONAL HIGHBAY + COVER = COMPLETE UNIT



Product Code	Description	Material	Dimensions Diameter x Height
COV-UFO-100W	100W High Bay Cover	Aluminium	355 x 154mm
COV-UFO-150W	150W High Bay Cover	Aluminium	400 x 169mm
COV-UFO-200W	200W High Bay Cover	Aluminium	450 x 184mm
COV-UFO-300W	300W High Bay Cover	Aluminium	480 x 194mm

NYX & SENSORA

LED STREET LIGHTS



Perfect For:

Commercial & Residential Applications

NYX

LED STREET LIGHTS - NO SENSOR

ONSSL

NEW RANGE!



Adjustable Bracket for Horizontal & Vertical Pole Mounting



5 YEAR WARRANTY

6500K
Cool White

4kV SURGE PROTECTION

SUITABLE FOR COASTAL REGIONS

Product Code	Wattage	Voltage	Lumens / Watt	Power Factor	IP Rating	Installation Height	Dimensions L x W x H	Housing Colour
ONSSL-50W-CW	50W	100-300VAC	120lm/Watt	0.95	IP66	4m	500 x 160 x 75mm	Grey
ONSSL-100W-CW	100W	100-300VAC	120lm/Watt	0.95	IP66	6m	530 x 180 x 80mm	Grey
ONSSL-150W-CW	150W	100 - 300VAC	120lm/Watt	0.95	IP66	8m	600 x 200 x 80mm	Grey
ONSSL-200W-CW	200W	100 - 300VAC	120lm/Watt	0.95	IP66	10m	680 x 245 x 80mm	Grey

Complies to SANS 60598-2-3 & 60598-1

NRCS APPROVED

SENSORA

LED STREET LIGHTS WITH DAY-NIGHT SENSOR

S-ONSSL

NEW RANGE!



NEMA
DAY-NIGHT SENSOR
INCLUDED



Adjustable Bracket for Horizontal & Vertical Pole Mounting



5 YEAR WARRANTY

6500K
Cool White

4kV SURGE PROTECTION

SUITABLE FOR COASTAL REGIONS

Product Code	Wattage	Voltage	Lumens / Watt	Power Factor	IP Rating	Installation Height	Dimensions L x W x H	Housing Colour
S-ONSSL-50W-CW	50W	100-300VAC	120lm/Watt	0.95	IP66	6-8m	500 x 160 x 140mm	Grey
S-ONSSL-100W-CW	100W	100-300VAC	120lm/Watt	0.95	IP66	8-10m	530 x 180 x 145mm	Grey
S-ONSSL-150W-CW	150W	100 - 300VAC	120lm/Watt	0.95	IP66	10-12m	600 x 200 x 145mm	Grey
S-ONSSL-200W-CW	200W	100 - 300VAC	120lm/Watt	0.95	IP66	12-15m	680 x 245 x 145mm	Grey

Complies to SANS 60598-2-3 & 60598-1

NRCS APPROVED

LUMIRA

INTEGRATED ALL IN ONE SOLAR LED STREET LIGHTS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP66 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING

Perfect For:

Residential Areas | Courtyard | Roads & Parking Lots

LUMIRA

INTEGRATED ALL IN ONE SOLAR LED STREET LIGHTS

OLSL

5 YEAR WARRANTY

Brightness Control
Remote Control

Radar Sensor

4-5 Hour
Charge Time
Discharge Time 1-2 Days

Based on a clear & Bright Sunny Day with Correct Panel Orientation to the sun.



SUITABLE FOR COASTAL REGIONS

6500K
Cool White

IP66

Product Code	Wattage	Battery	Solar Panel	Max Lumens	Install Height	Panel Dimensions L x W x H	Dimensions L x W x H	Housing Colour
OLSL-30W-CW	30W	6Ah 3.2V	8W/6V	500lm	4-5m	300 x 203 x 4mm	442 x 255 x 54mm	Black
OLSL-60W-CW	60W	6Ah 3.2V	8W/6V	1100lm	5-6m	300 x 203 x 4mm	442 x 255 x 54mm	Black
OLSL-90W-CW	90W	12Ah 3.2V	15W/6V	1600lm	6-7m	508 x 203 x 4mm	650 x 302 x 54mm	Black
OLSL-120W-CW	120W	12Ah 3.2V	15W/6V	2200lm	7-8m	508 x 203 x 4mm	650 x 302 x 54mm	Black
OLSL-180W-CW	180W	18Ah 3.2V	20W/6V	3300lm	8-10m	608 x 203 x 4mm	758 x 316 x 54mm	Black

LUMIRA POLE

OLSL-PL

60 x 500mm Black Pole For The 30W, 60W, 90W, 120W & 180W Solar Street Light



Suitable for Wall Installation - ***Sold Separately***

SIRIUS

SOLAR LED STREET LIGHTS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP66 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING

Perfect For:

Residential Areas | Courtyard | Roads & Parking Lots

SIRIUS

SOLAR LED STREET LIGHTS

O-SSL

5 YEAR WARRANTY



6500K
Cool White

4-5 Hour
Charge Time
Discharge Time
1-2 Days

Based on a clear & Bright Sunny Day with Correct Panel Orientation to the sun.

Brightness Control
Remote Control

SUITABLE FOR COASTAL REGIONS

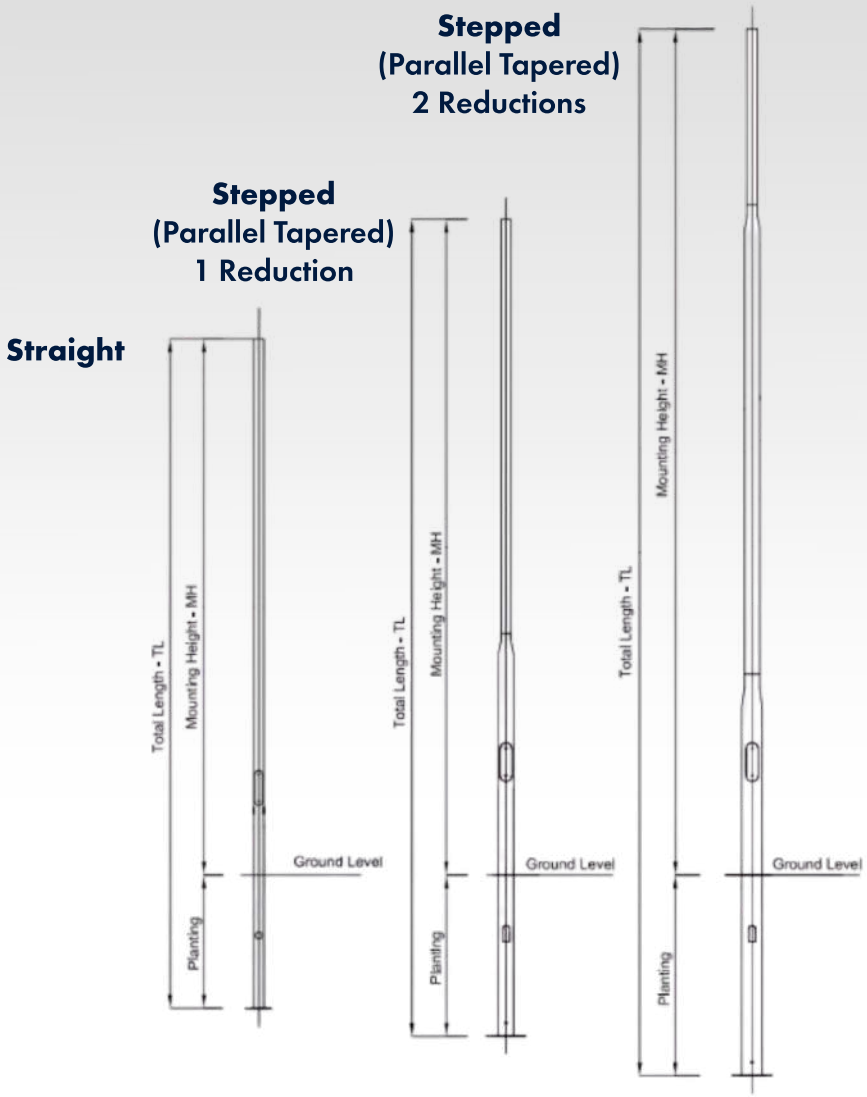
Product Code	Wattage	Battery	Solar Panel	Max Lumens	IP Rating	Installation Height	Beam Angle	Dimensions L x W x H	Housing Colour
O-SSL-120W-CW	120W	12Ah 3.2V	15W/6V	1500lm	IP66	5-7m	90°	500 x 160 x 75mm	Grey
O-SSL-180W-CW	180W	18Ah 3.2V	20W/6V	2200lm	IP66	7-8m	90°	500 x 160 x 75mm	Grey
O-SSL-240W-CW	240W	24Ah 3.2V	25W/6V	3000lm	IP66	8-9m	90°	530 x 180 x 80mm	Grey
O-SSL-300W-CW	300W	30Ah 3.2V	30W/6V	3500lm	IP66	9-10m	90°	600 x 200 x 80mm	Grey
O-SSL-480W-CW	480W	48Ah 3.2V	50W/6V	5000lm	IP66	10-12m	90°	680 x 245 x 80mm	Grey

Suitable For Wall or Pole Installation - ***Pole Excluded***

LIGHTING POLES

Manufacturing Lead Time: 3 to 4 weeks

STREETLIGHT POLES



Streetlight Pole	Toltal Length -TL	Mounting Height - MH	Planting
Straight	1-6m	0.5-5m	0.5-1m
Stepped (1 Reduction)	3-9.2m	2.5-8m	0.5-1.2m
Stepped (2 Reduction)	8.2-17.0m	7-15m	1.2-2m

Product Code	Description	Total Mounting Height	Material
LED-SSL-8M	8m Pole	9.2m	Hot Dipped Galvanized
LED-SSL-10M	10m Pole	11.5m	Hot Dipped Galvanized
LED-SSL-12M	12m Pole	13.7m	Hot Dipped Galvanized

OLIVARA

3CCT LED FLOODLIGHTS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP66 WATER/DUST RESISTANT
- 85% ENERGY SAVING
- SURGE SHIELD
- LONG LASTING

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

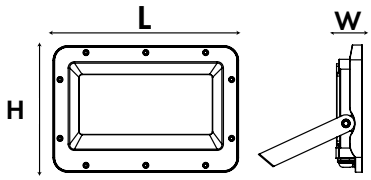
Commercial & Residential Applications

OLIVARA

3CCT LED FLOODLIGHTS

OFBN

NEW RANGE!



SUITABLE FOR COASTAL REGIONS





90° Beam Angle

08 IK RATING

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

TOGGLE 3CCT Selectable CCT

Product Code	Wattage	Voltage	Surge Protection	Lumens / Watt	Dimensions L x W x H	Housing Colour
3CCT-OFBN-10	10W	185-300VAC	2.5kV	100lm/Watt	130 x 100 x 25mm	Grey
3CCT-OFBN-20	20W	185-300VAC	2.5kV	100lm/Watt	150 x 100 x 25mm	Grey
3CCT-OFBN-30	30W	185-300VAC	2.5kV	100lm/Watt	190 x 130 x 25mm	Grey
3CCT-OFBN-50	50W	185-300VAC	4kV	100lm/Watt	210 x 150 x 25mm	Grey
3CCT-OFBN-100	100W	185-300VAC	6kV	100lm/Watt	260 x 200 x 25mm	Grey
3CCT-OFBN-150	150W	185-300VAC	6kV	100lm/Watt	310 x 230 x 25mm	Grey
3CCT-OFBN-200	200W	185-300VAC	6kV	100lm/Watt	390 x 270 x 25mm	Grey
3CCT-OFBN-300	300W	185-300VAC	6kV	100lm/Watt	450 x 305 x 30mm	Grey
3CCT-OFBN-400	400W	185-300VAC	6kV	100lm/Watt	490 x 325 x 30mm	Grey

Complies to SANS 60598-2-5

NRCS APPROVED

OLIVARA - ECO

COOL WHITE LED FLOODLIGHTS



EXCELLENT CRI

ANTI-GLARE DIFFUSER

IP66
WATER/DUST RESISTANT

85%
ENERGY SAVING

SURGE SHIELD

LONG LASTING

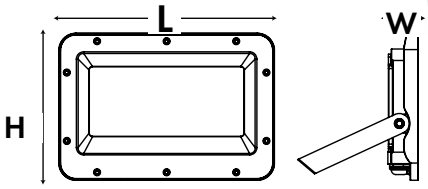
Perfect For:

Commercial & Residential Applications

OLIVARA - ECO

COOL WHITE LED FLOODLIGHTS

OFBN



6500K
Cool White











Product Code	Wattage	Voltage	Surge Protection	Lumens / Watt	Dimensions L x W x H	Housing Colour
OFBN-10-CW	10W	185-265VAC	2.5kV	100lm/Watt	130 x 100 x 25mm	Grey
OFBN-20-CW	20W	185-265VAC	2.5kV	100lm/Watt	150 x 100 x 25mm	Grey
OFBN-30-CW	30W	185-265VAC	2.5kV	100lm/Watt	190 x 130 x 25mm	Grey
OFBN-50-CW	50W	185-265VAC	4kV	100lm/Watt	210 x 150 x 25mm	Grey
OFBN-100-CW	100W	185-265VAC	6kV	100lm/Watt	260 x 200 x 25mm	Grey
OFBN-150-CW	150W	185-265VAC	6kV	100lm/Watt	310 x 230 x 25mm	Grey
OFBN-200-CW	200W	185-265VAC	6kV	100lm/Watt	390 x 270 x 25mm	Grey
OFBN-300-CW	300W	185-265VAC	6kV	100lm/Watt	450 x 305 x 30mm	Grey
OFBN-400-CW	400W	185-265VAC	6kV	100lm/Watt	490 x 325 x 30mm	Grey
OFBN-500-CW	500W	185-265VAC	6kV	100lm/Watt	510 x 350 x 40mm	Black

Complies to SANS 60598-2-5

NRCS APPROVED

OLIVARA
FLOODLIGHT ACCESSORIES

PIR SENSOR

OFBN-PIR

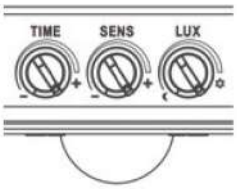
Suitable For **OFBN** and **3CCT-OFBN**
Example: Rated Load 100W







Weatherproof
Quick Connector Included





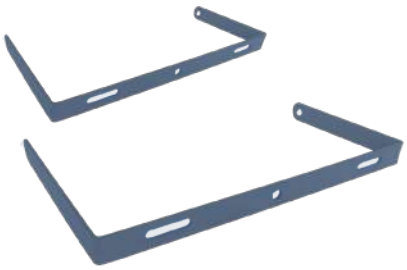
SUITABLE FOR COASTAL REGIONS



- Rated Load: 100W
- Rated Voltage: 110-240 VAC
- Detection angle: 120˚
- Time delay: 10s - 7min
- Installation Height: 1.8 - 2.5m
- Detection area Adj Max 10m
- Sensor x 1 PIR

MOUNTING BRACKET

OFBN

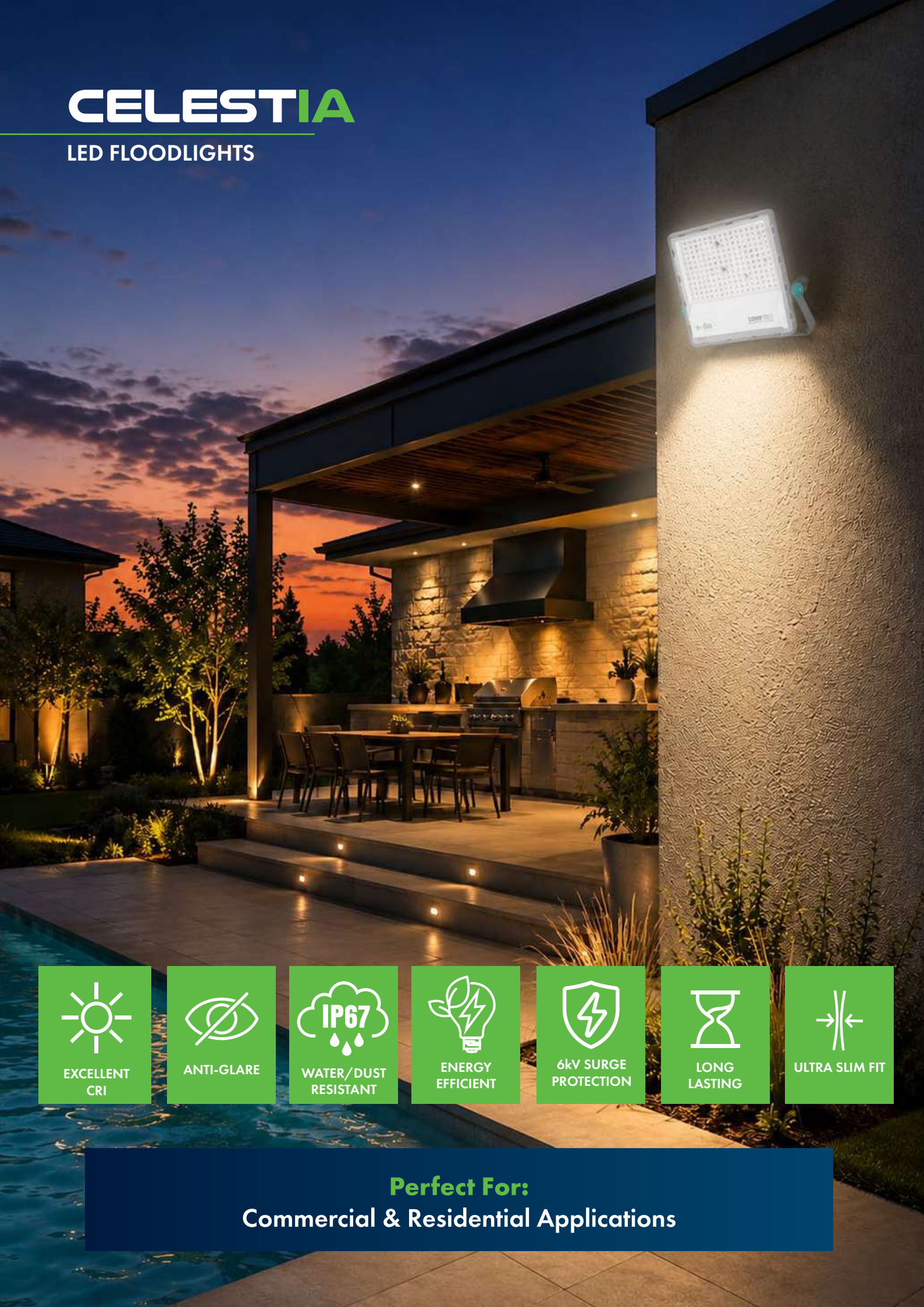


SUITABLE FOR COASTAL REGIONS

Product Code	Compatible Lights	Material
OFBN-10-B	OFBN-10-CW & 3CCT-OFBN-10	Stainless Steel - Powder Coated
OFBN-20-B	OFBN-20-CW & 3CCT-OFBN-20	Stainless Steel - Powder Coated
OFBN-30-B	OFBN-30-CW & 3CCT-OFBN-30	Stainless Steel - Powder Coated
OFBN-50-B	OFBN-50-CW & 3CCT-OFBN-50	Stainless Steel - Powder Coated
OFBN-100-B	OFBN-100-CW & 3CCT-OFBN-100	Stainless Steel - Powder Coated
OFBN-150-B	OFBN-150-CW & 3CCT-OFBN-150	Stainless Steel - Powder Coated
OFBN-200-B	OFBN-200-CW & 3CCT-OFBN-200	Stainless Steel - Powder Coated

CELESTIA

LED FLOODLIGHTS



- EXCELLENT CRI
- ANTI-GLARE
- IP67 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- 6kV SURGE PROTECTION
- LONG LASTING
- ULTRA SLIM FIT

Perfect For:

Commercial & Residential Applications

CELESTIA

LED FLOODLIGHTS

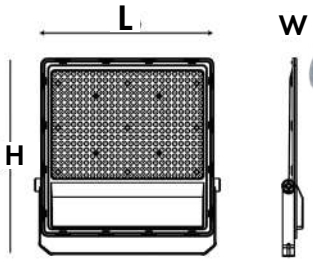
OF02

3 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS

IP67

6500K
Cool White





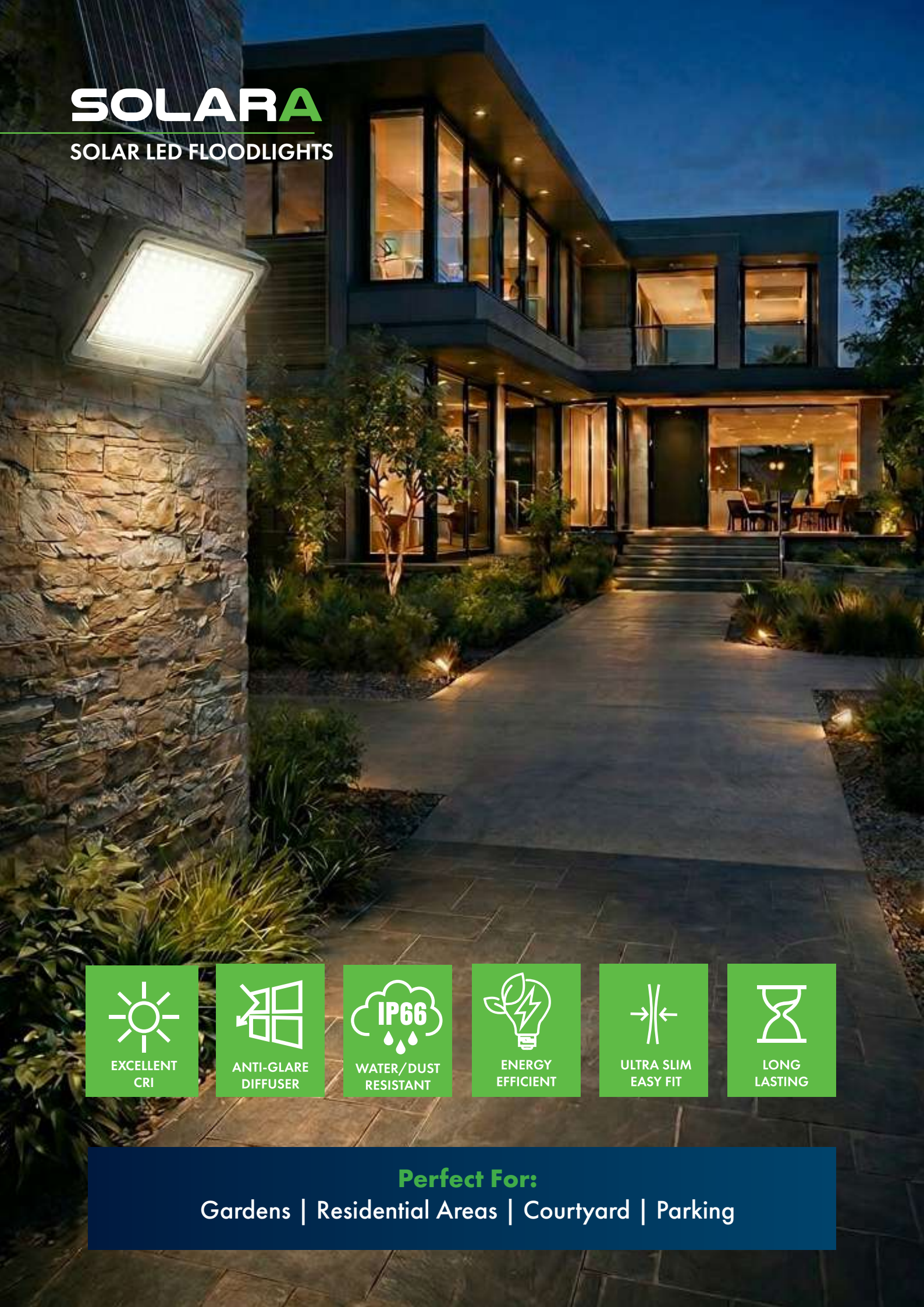
Product Code	Wattage	Voltage	Lumens/ Watt	Surge Protection	IP Rating	Beam Angle	Dimensions L X H X W	Housing Colour
OF02-200W	200W	175 - 265VAC	120lm /Watt	6kV	IP67	90°	290 x 300 x 37mm	Grey
OF02-300W	300W	175 - 265VAC	120lm /Watt	6kV	IP67	90°	370 x 380 x 37mm	Grey
OF02-400W	400W	175 - 265VAC	120lm /Watt	6kV	IP67	90°	370 x 380 x 37mm	Grey

Complies to SANS 60598-2-5

NRCS APPROVED

SOLARA

SOLAR LED FLOODLIGHTS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP66 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING

Perfect For:

Gardens | Residential Areas | Courtyard | Parking

SOLARA

SOLAR LED FLOODLIGHTS

OSFBN

Brightness Control
Remote Control

Sensor
6-8m Detection

4-5 Hour
Charge Time
Discharge Time 1-2 Days

Based on a clear & Bright Sunny Day with Correct Panel Orientation to the sun.



5 YEAR WARRANTY

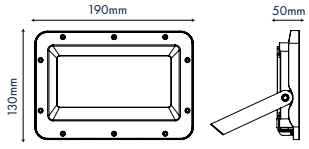
SUITABLE FOR COASTAL REGIONS

6500K Cool White

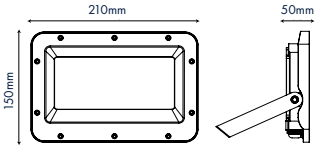
IP66

DIMENSIONS

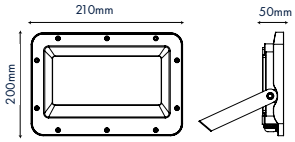
25|40|60|120



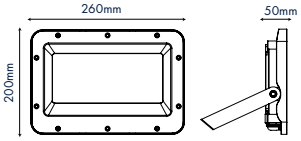
180|240



300



400



Product Code	Wattage	Battery	Solar Panel	Max Lumens	Installation Height	Housing Colour
OSFBN-25-CW	25W	Lithium Iron Phospate 3.2V/6Ah	6V/8W Photovoltaic Panel	450lm±10%	2-3m	Grey
OSFBN-40-CW	40W	Lithium Iron Phospate 3.2V/6Ah	6V/8W Photovoltaic Panel	600lm±10%	3-4m	Grey
OSFBN-60-CW	60W	Lithium Iron Phospate 3.2V/6Ah	6V/8W Photovoltaic Panel	750lm±10%	3-4m	Grey
OSFBN-120-CW	120W	Lithium Iron Phospate 3.2V/12Ah	6V/15W Photovoltaic Panel	1500lm±10%	4-5m	Grey
OSFBN-180-CW	180W	Lithium Iron Phospate 3.2V/18Ah	6V/20W Photovoltaic Panel	2200lm±10%	4-5m	Grey
OSFBN-240-CW	240W	Lithium Iron Phospate 3.2V/24Ah	6V/25W Photovoltaic Panel	3000lm±10%	5-6m	Grey
OSFBN-300-CW	300W	Lithium Iron Phospate 3.2V/30Ah	6V/30W Photovoltaic Panel	3500lm±10%	5-6m	Grey
OSFBN-400-CW	400W	Lithium Iron Phospate 3.2V/36Ah	6V/40W Photovoltaic Panel	4000lm±10%	6-8m	Grey

SOLARA ACCESSORIES

SOLAR LED FLOODLIGHT ACCESSORIES

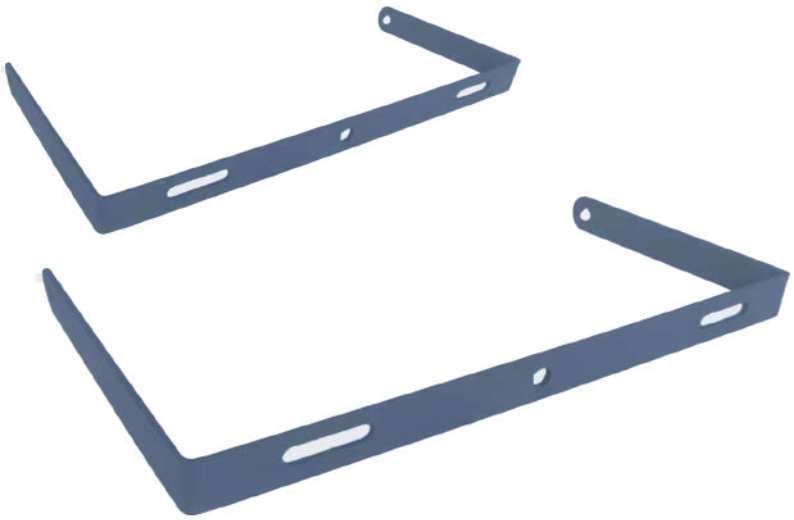


SOLARA ACCESSORIES

MOUNTING BRACKET

OSFBN

SUITABLE FOR COASTAL REGIONS



Product Code	Compatible Lights	Material
OSFBN-25/40/60-B	OSFBN-25-CW	Stainless Steel - Powder Coated
	OSFBN-40-CW	
	OSFBN-60-CW	
OSFBN-120-B	OSFBN-120-CW	Stainless Steel - Powder Coated
OSFBN-180-B	OSFBN-180-CW	Stainless Steel - Powder Coated
OSFBN-240-B	OSFBN-240-CW	Stainless Steel - Powder Coated
OSFBN-300-B	OSFBN-300-CW	Stainless Steel - Powder Coated
OSFBN-400-B	OSFBN-400-CW	Stainless Steel - Powder Coated

SOLAR

SOLAR LED LIGHTS
SSL | SGL | SLS



Perfect For:
Commercial & Residential Applications

SOLAR

SOLAR LED STRING LIGHT

SSL10-S14-WW



2200 mAh Battery
2W Poly Solar Panel
5 Meters
10 Piece
E27 3V S14 Bulbs
Straight Filament
0.5m2 Black Cable
IP44
Warm White (±3000K)

SSL10-S14-WW-SB
0,5W 3V SPARE E27 LED BULB

5W SOLAR LED MULTI-FUNCTION LIGHT

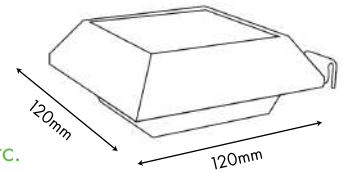
SGL-5W-BS-CW



3.7V/1200 mAh | 18650 Lithium Battery
5V/180mAh Poly Solar Panel
4 Hours Discharge Time
2.5 - 3.5 Meters Mounting Height
IP44
Cool White (±6000K)
Black Fitting

*Can be installed on balconies, gutters etc.

SIZE:



7W SOLAR LED MULTI-FUNCTION LIGHT WITH SENSOR

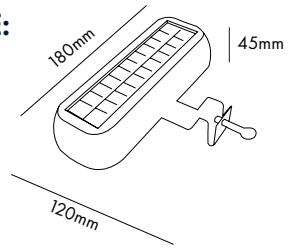
SLS-7W-CW-S



3.7V/1200 mAh | 18650 Lithium Battery 5.5V/140mAh Poly Solar Panel
4 Hours Discharge Time
2.5 - 3.5 Meters Mounting Height
Cool White (±6000K)
Mounting Bracket
Black Fitting
IP44

*Can be installed on balconies, gutters etc.

SIZE:



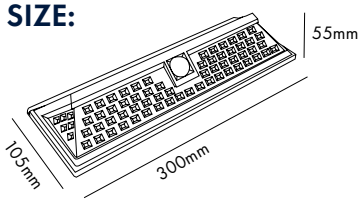
10W SOLAR LED WALL LIGHT WITH SENSOR

SLS-10W-CW-S



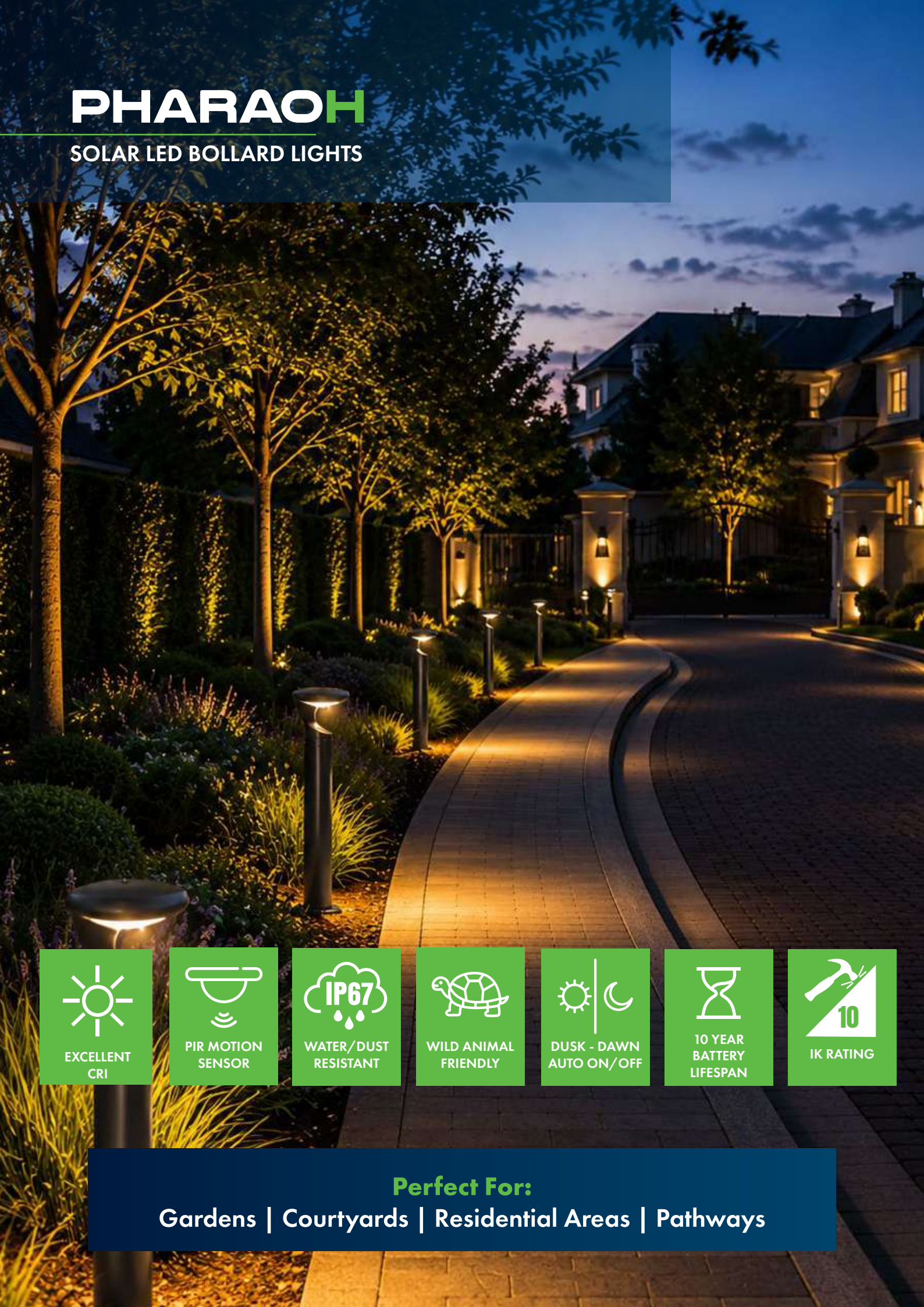
3.7V/2400 mAh | 18650 Lithium Battery 5.5V/240mAh Poly Solar Panel
4 Hours Discharge Time
2.5 - 3.5 Meters Mounting Height
Cool White (±6000K)
Black Fitting

SIZE:



PHARAOH

SOLAR LED BOLLARD LIGHTS



Perfect For:

Gardens | Courtyards | Residential Areas | Pathways

PHARAOH

SOLAR LED BOLLARD LIGHTS

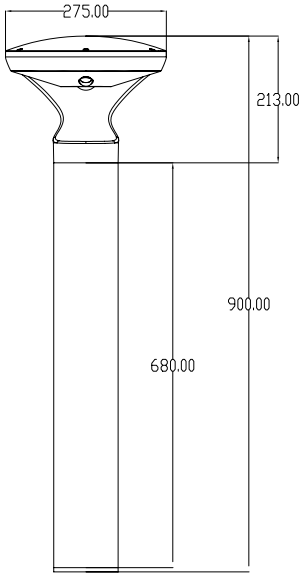


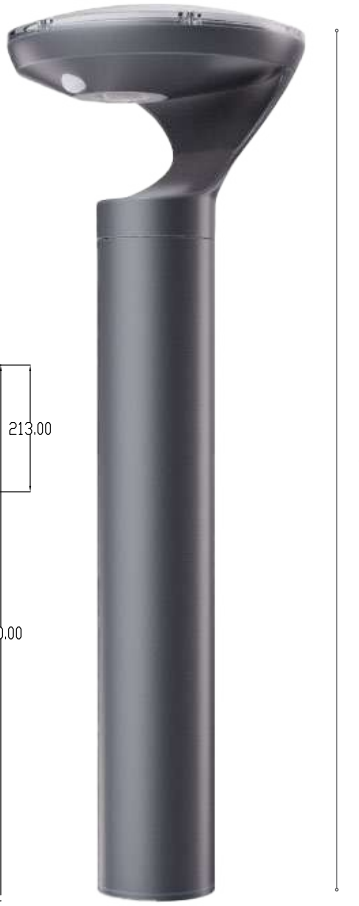


PIR
Motion Sensor

Battery
Reserve Feature
4-5 hr Charge Time
36 hr Discharge Time

4h at 100% + 13h at 75%
Once sensor is triggered the light operates at 100%
Helping to reserve battery power

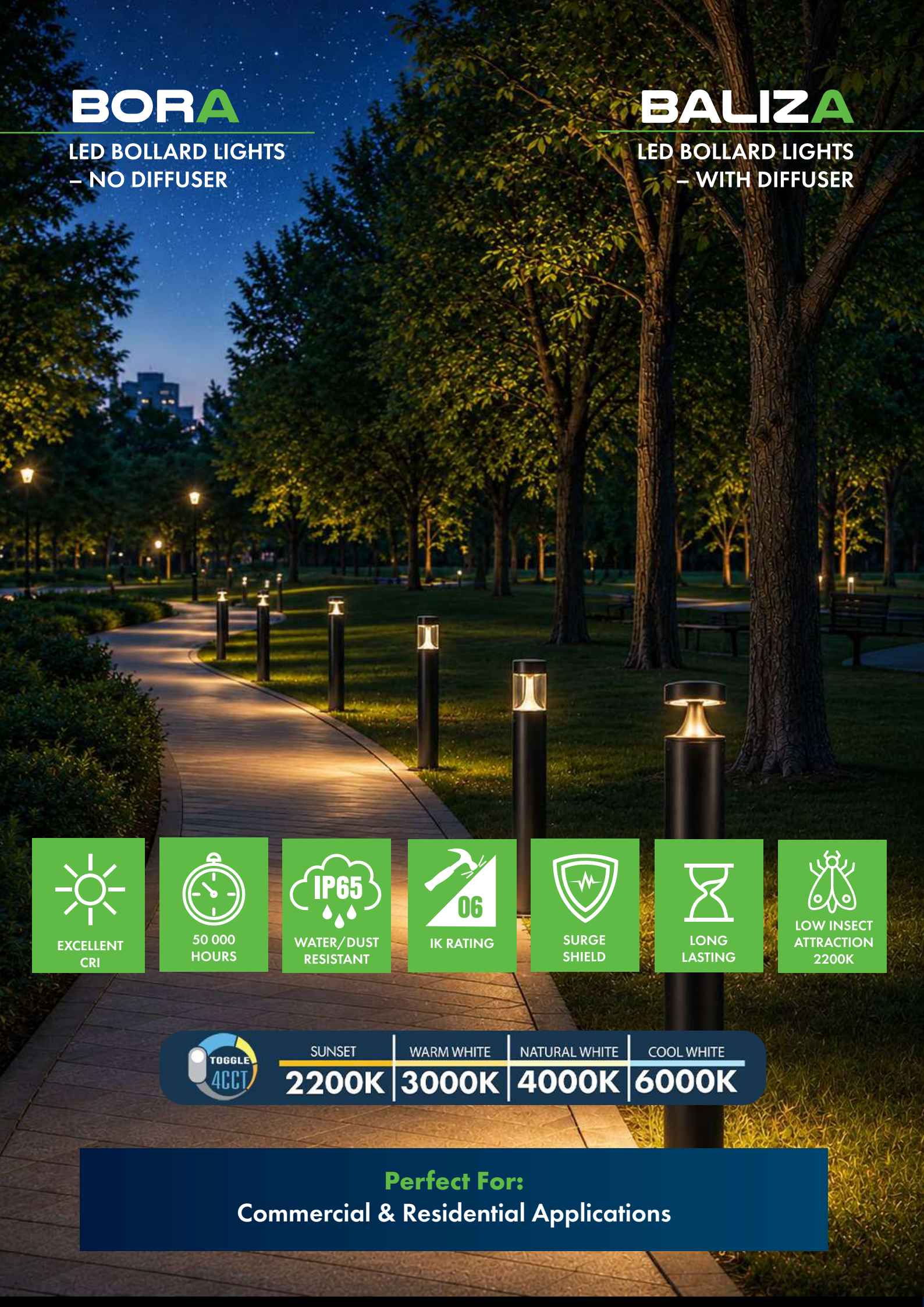




SUITABLE FOR COASTAL REGIONS

2000-3000K
WarmWhite

Product Code	LED	Battery	Solar Panel	Charge Time	IK Rating	Beam Angle	Material	IP Rating	Detection	Sensor
PHARAOH	1.5W	38.4WH/3.2V	6.2W/5V Mono	4.5 Hours	IK10	120°	Aluminium + PC Lens + Tempered Glass	IP67	1.2m Detection Distance	PIR Motion Sensor



BORA

LED BOLLARD LIGHTS
– NO DIFFUSER

BALIZA

LED BOLLARD LIGHTS
– WITH DIFFUSER

EXCELLENT CRI

50 000 HOURS

IP65
WATER/DUST RESISTANT

06
IK RATING

SURGE SHIELD

LONG LASTING

LOW INSECT ATTRACTION 2200K

TOGGLE 4CCT

SUNSET	WARM WHITE	NATURAL WHITE	COOL WHITE
2200K	3000K	4000K	6000K

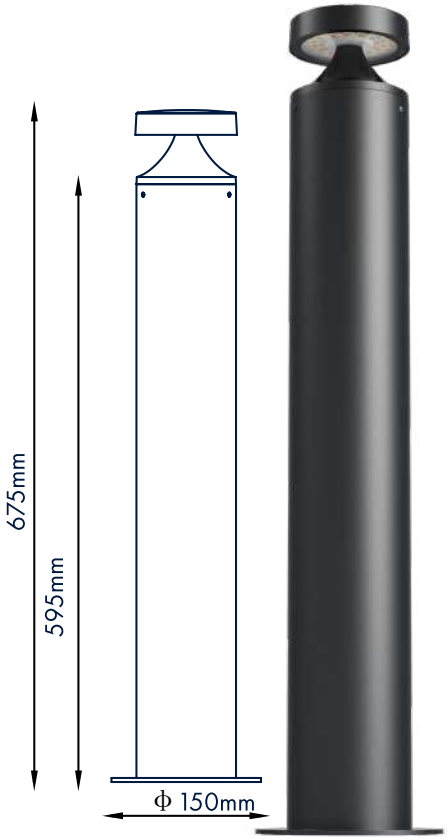
Perfect For:
Commercial & Residential Applications

BORA
LED BOLLARD LIGHTS

BALIZA
LED BOLLARD LIGHTS

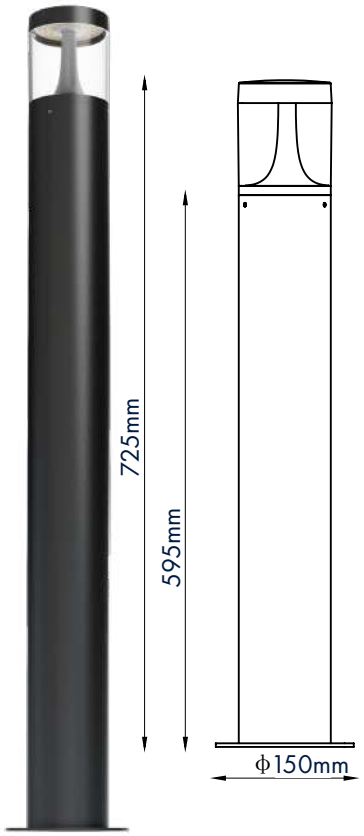
NEW RANGE!

5 YEAR WARRANTY



TOGGLE 4CCT selectable CCT





SUITABLE FOR COASTAL REGIONS

TOGGLE 4CCT | SUNSET 2200K | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6000K

Product Code	Wattage	Voltage	Lumens /Watt	Power Factor	Surge Protection	IP Rating	Beam Angle	Dimensions Height
4CCT-12W-BLD-O	12W	100-240VAC	90lm/Watt	0.9	2kV	IP65	360°	675mm
4CCT-12W-BLD-C	12W	100-240VAC	90lm/Watt	0.9	2kV	IP65	360°	725mm

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

CHRONUS

SOLAR LED GARDEN LIGHTS



GO GREEN

FOR A CLEAN & RELIABLE FUTURE

- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP65 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- LONG LASTING

Perfect For:

Gardens | Residential Areas | Courtyard | Parking

CHRONUS

SOLAR LED GARDEN LIGHTS

This product is made up of integrated parts
(solar panel, lithium battery, LED, MPPT controller)

5 YEAR WARRANTY



scan for tutorial

Installation Height 4m

Control

Intelligent Optical
+ Remote Control

IOS & Android App Available

4-6 Hour Charge Time



CHRONUS-4PL

*POLE SOLD SEPARATELY

Black Spliced Galvanized
4 Meter Pole Consisting Of 4 x 1 Meter Interlocking Sections To Be Fastened With Supplied Screws
Pole Size: 76mm

*SPARE REMOTE AVAILABLE
CHRONUS-RMT

SUITABLE FOR COASTAL REGIONS

3500K - 6000K Colour Selectable Warm White | Cool White | Red | Green | Blue

Bluetooth Music Rhythm

Product Code	LED	Battery	Solar Panel	Max Lumens	Discharge Time	Material	IP Rating	Dimensions L x W x H
CHRONUS	40W	48Ah	40W/4V	2600lm	2-3 Days	Aluminium + PC Lens	IP65	467 x 160 x 73mm

SECURITY LIGHTS

SECURITY LIGHTS WITH SENSORS



Perfect For:

Commercial & Residential Applications

SECURITY LIGHTS

SECURITY LIGHTS WITH SENSORS



OL65
INFRARED SECURITY LIGHT

- 2 X PAR38 (Max 150W)
- Detection Area Max 5m-12m
- 180° angle
- IP44
- 220-240 VAC
- Installation height: 1.8- 2.5m
- Time Delay: 10seconds - 5minutes
- Black Fitting

5 YEAR WARRANTY

PIR



OL65-W
INFRARED LED SECURITY LIGHT

- 2 X 10W LED (75lm per Watt)
- Detection Area Max 5-12m Adjustable
- 180° angle
- IP65
- 230VAC
- Installation Height: 1,8 - 2,5m
- Time Delay: 10seconds - 5minutes
- Sensor x 1
- Colour Temperature: 6500K
- White Fitting
- Wall Mount

5 YEAR WARRANTY

PIR



OL65-B
INFRARED SECURITY LIGHT

- 2 X 10W LED (75lm per Watt)
- Detection Area : Max 5-12m Adjustable
- 180° angle
- IP65
- 230VAC
- Installation Height: 1,8 - 2,5m
- Time Delay: 10seconds - 5minutes
- Sensor x 1
- Colour Temperature: 6500K
- Black Fitting
- Wall Mount

5 YEAR WARRANTY

PIR

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

LUMIO

WALL MOUNT LIGHT FITTINGS



EXCELLENT CRI

ANTI-GLARE DIFFUSER

IP54

WATER/DUST RESISTANT

ENERGY EFFICIENT

UV

RESISTANT

LONG LASTING

Perfect For:

Gardens | Residential Areas | Courtyard | Parking

LUMIO

WALL MOUNT LIGHT FITTINGS

NEW RANGE!



OL-RD001-B

GU10 SPOTLIGHT WALL FITTING

*Bulb excluded

*Bulb available to purchase

1 x GU10DIM-7W-3CCT



OL-RD002-B

GU10 UP & DOWN WALL FITTING

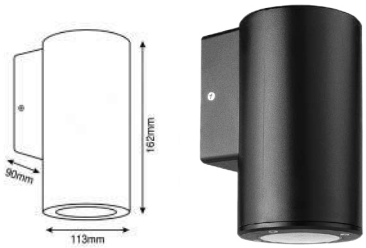
*Bulbs excluded

*Bulbs available to purchase

2 x GU10DIM-7W-3CCT

5 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS



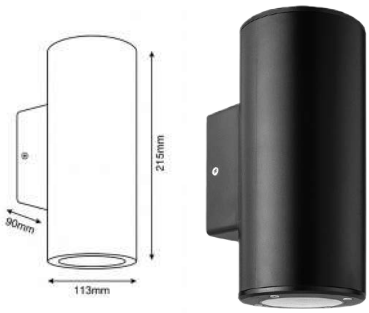
OL-RD003-B

EXTENDED GU10 SPOTLIGHT WALL FITTING

*Bulb excluded

*Bulb available to purchase

1 x GU10DIM-9W-3CCT



OL-RD004-B

EXTENDED GU10 UP & DOWN WALL FITTING

*Bulbs excluded

*Bulbs available to purchase

2 x GU10DIM-9W-3CCT

08 IK RATING

Product Code	Voltage	Max Power	Material	IP Rating	IK Rating	Dimensions L x W x H
OL-RD001-B	220-240VAC	1 x 7W	ABS, PC Diffuser	IP54	IK 08	70 x 92 x 90mm
OL-RD002-B	220-240VAC	2 x 7W	ABS, PC Diffuser	IP54	IK 08	70 x 92 x 160mm
OL-RD003-B	220-240VAC	1 x 9W	ABS, PC Diffuser	IP54	IK 08	90 x 113 x 162mm
OL-RD004-B	220-240VAC	2 x 9W	ABS, PC Diffuser	IP54	IK 08	90 x 113 x 215mm

*Bulbs sold separately refer to GU10DIM on page 318.

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

LUMIO

WALL MOUNT LIGHT FITTINGS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP54 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- LONG LASTING
- UV RESISTANT

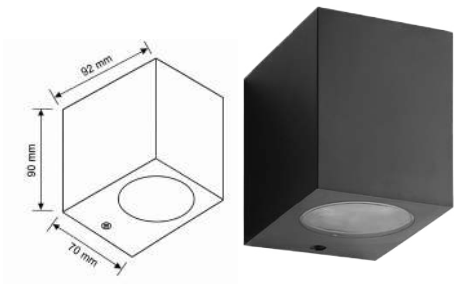
Perfect For:

Gardens | Residential Areas | Courtyard

LUMIO

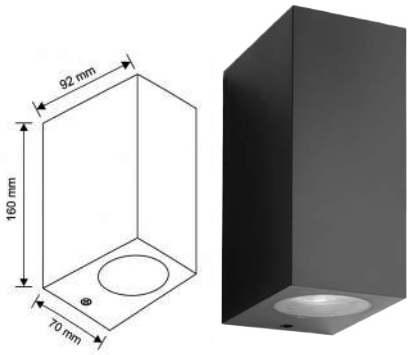
WALL MOUNT LIGHT FITTINGS

NEW RANGE!



OL-SQ001-B
GU10 SPOTLIGHT WALL FITTING

*Bulb excluded
*Bulb available to purchase
1 x GU10DIM-7W-3CCT

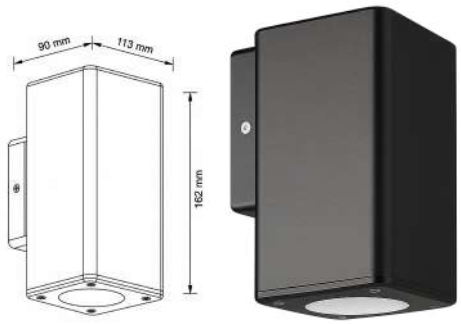


OL-SQ002-B
GU10 UP & DOWN WALL FITTING

*Bulbs excluded
*Bulbs available to purchase
2 x GU10DIM-7W-3CCT

5 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS



OL-SQ003-B
EXTENDED GU10 SPOTLIGHT WALL FITTING

*Bulb excluded
*Bulb available to purchase
1 x GU10DIM-9W-3CCT



OL-SQ004-B
EXTENDED GU10 UP & DOWN WALL FITTING

*Bulbs excluded
*Bulbs available to purchase
2 x GU10DIM-9W-3CCT

IK 08 IK RATING

Product Code	Voltage	Max Power	Material	IP Rating	IK Rating	Dimensions L x W x H
OL-SQ001-B	220-240VAC	1 x 7W	ABS, PC Diffuser	IP54	IK 08	90 x 70 x 92mm
OL-SQ002-B	220-240VAC	2 x 7W	ABS, PC Diffuser	IP54	IK 08	90 x 70 x 160mm
OL-SQ003-B	220-240VAC	1 x 9W	ABS, PC Diffuser	IP54	IK 08	90 x 113 x 162mm
OL-SQ004-B	220-240VAC	2 x 9W	ABS, PC Diffuser	IP54	IK 08	90 x 113 x 215mm

*Bulbs sold separately refer to GU10DIM on page 318.

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

LYNX

WALL MOUNT LIGHT FITTINGS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP65 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- 08 IK RATING
- LONG LASTING

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

Gardens | Residential Areas | Courtyard

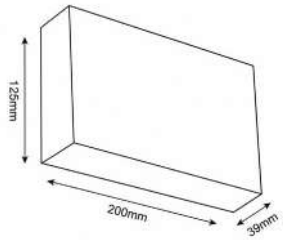
LYNX

WALL MOUNT LIGHT FITTINGS

NEW RANGE!

3 YEAR WARRANTY

ON-6W-3CCT
6W DOWN WALL LIGHT FITTING

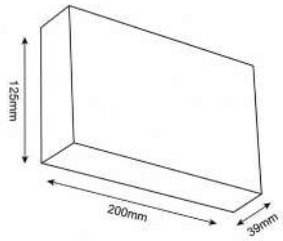




SUITABLE FOR COASTAL REGIONS



ON-12W-3CCT
12W UP & DOWN WALL LIGHT FITTING





TOGGLE 3CCT
Selectable CCT

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Product Code	Wattage	Voltage	Lumens/ Watt	Material	IP Rating	IK Rating	Dimensions L x W x H
ON-6W-3CCT	6W	220-240VAC	400lm/Watt	ABS, PC Diffuser	IP65	IK 08	200 x 39 x 125mm
ON-12W-3CCT	12W	220-240VAC	700lm/Watt	ABS, PC Diffuser	IP65	IK 08	200 x 39 x 125mm

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

LUMIO

SURFACE-MOUNTED CEILING LIGHT FITTINGS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP54 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- 08 IK RATING
- LONG LASTING

Perfect For:

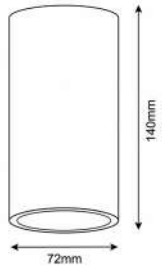
Gardens | Residential Areas | Courtyards

LUMIO

SURFACE-MOUNTED CEILING LIGHT FITTINGS

NEW RANGE!





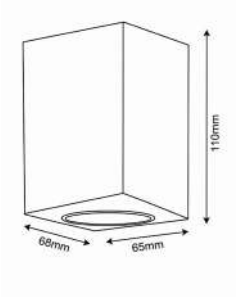
OL-RDS001-B
GU10 SPOTLIGHT SURFACE FITTING

*Bulb excluded
*Bulb available to purchase
1 x GU10DIM-7W-3CCT

5 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS





OL-SQS001-B
GU10 SPOTLIGHT SURFACE FITTING

*Bulb excluded
*Bulb available to purchase
1 x GU10DIM-7W-3CCT

08 IK RATING

Product Code	Voltage	Lamp Fitting	Material	IP Rating	IK Rating	Dimensions L x W x H
OL-RDS001-B	220-240VAC	1 x 7W	ABS, PC Diffuser	IP54	IK 08	72 x 140mm
OL-SQS001-B	220-240VAC	1 x 7W	ABS, PC Diffuser	IP54	IK 08	68 x 65 x 110mm

*Bulbs sold separately, refer to GU10DIM on page 318.

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

LUMIO

OUTDOOR SURFACE-MOUNTED LIGHT FITTINGS



Perfect For:

Gardens | Residential Areas | Courtyards

LUMIO

OUTDOOR SURFACE-MOUNTED LIGHT FITTINGS

NEW RANGE!



OL-WL001-B
E27 WALL LIGHT FITTING

- Surface Mounting
- Clear PC Diffuser
- 1 x E27 (Max 60W)
- IK Rating: 08
- 220-240VAC
- Dimensions: 226.5 x 218.5 x 408mm
- IP44

*Bulb excluded refer to:
LED2E27-9W-CW on page 316.

5 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS

5 YEAR WARRANTY

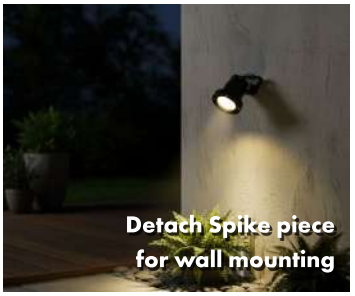
SUITABLE FOR COASTAL REGIONS



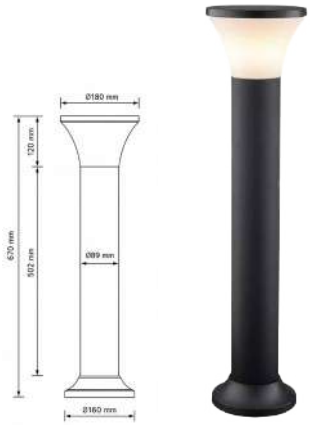
OL-SG001-B
BLACK SPIKE/WALL MOUNT GARDEN LIGHT

- Clear Glass Diffuser
- 1 x GU10 (Max 7W)
- IK Rating: 08
- 220-240VAC
- Dimensions: 98 x 100 x 62mm
- Spike: 162mm
- IP65

*Bulb excluded refer to:
GU10DIM-7W-3CCT on page 318.







OL-BLD001-B
BOLLARD OUTDOOR LIGHT FITTING

- Frosted PC Diffuser
- 1 x E27 (Max 18W)
- IK Rating: 08
- 220-240VAC
- Dimensions: 670 x 160 x 180mm
- IP44

*Bulb excluded refer to:
LED2E27-9W-CW on page 316.

5 YEAR WARRANTY

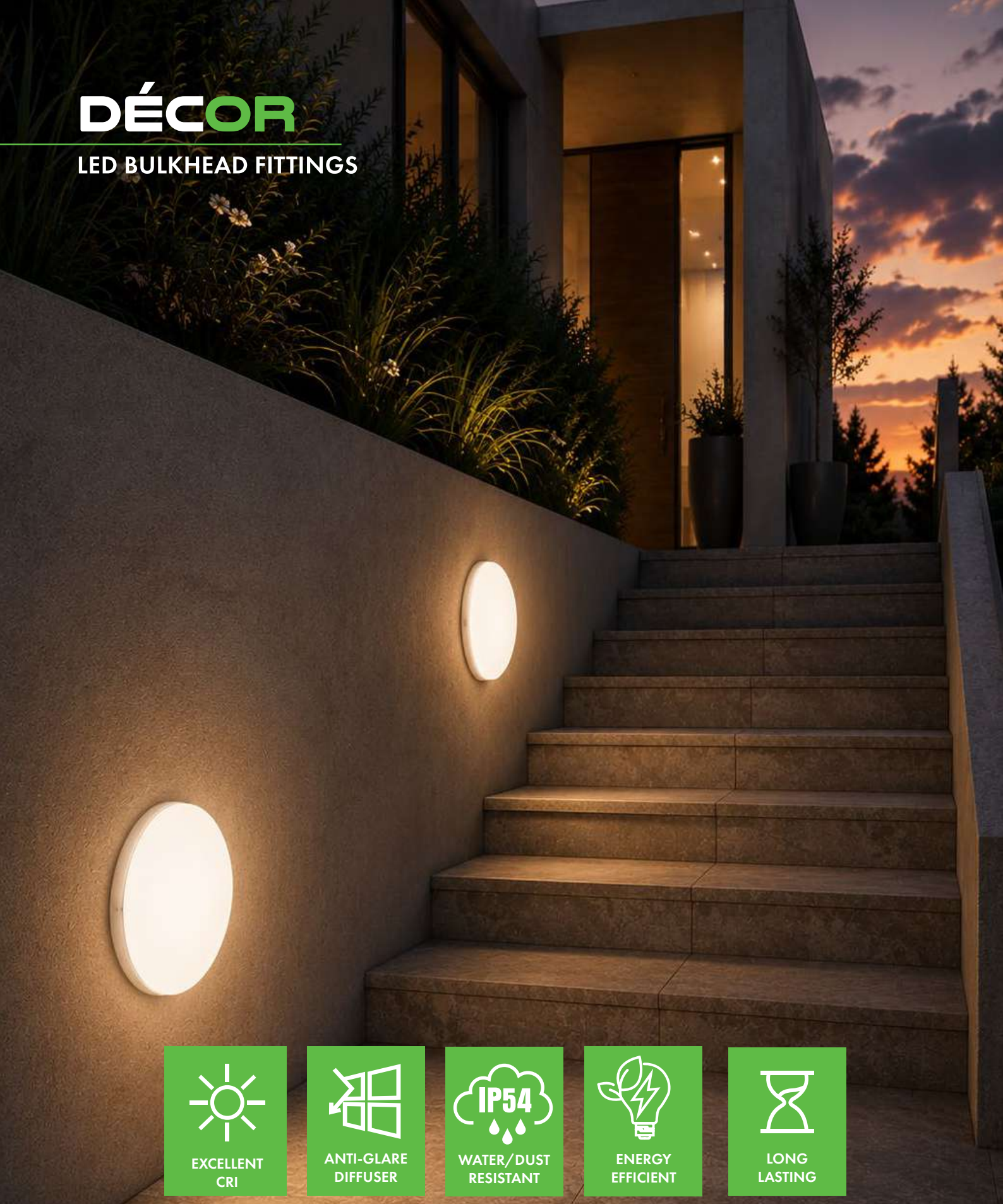
SUITABLE FOR COASTAL REGIONS

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

DÉCOR

LED BULKHEAD FITTINGS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP54 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- LONG LASTING

Perfect For:

Gardens | Residential Areas | Courtyard | Pathways

DÉCOR

LED BULKHEAD FITTINGS

6500K
Cool White

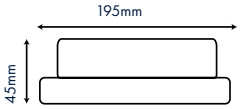
SUITABLE FOR COASTAL REGIONS

2 YEAR WARRANTY



OL-WR-F12W

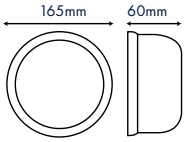
12W LED FLAT ROUND BULKHEAD FITTING





OL-WRBU-12W

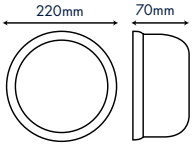
12W LED ROUND BULKHEAD FITTING



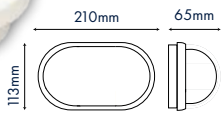


OL-WRBU-20W

20W LED ROUND BULKHEAD FITTING



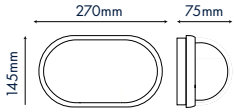




OL-WHO-12W

12W LED OVAL BULKHEAD FITTING





OL-WHO-20W

20W LED OVAL BULKHEAD FITTING

Product Code	Voltage	Wattage	Max Lumens	Material	IP Rating	Beam Angle	Dimensions L x W x H
OL-WR-F12W	85-265VAC	12W	960 lm	ABS Body, HIPS Diffuser	IP54	120°	195 x 45mm
OL-WRBU-12W	85-265VAC	12W	1200 lm	ABS Body, HIPS Diffuser	IP54	120°	165 x 60mm
OL-WRBU-20W	85-265VAC	20W	2250 lm	ABS Body, HIPS Diffuser	IP54	120°	220 x 70mm
OL-WHO-12W	85-265VAC	12W	1200lm	ABS Body, HIPS Diffuser	IP54	120°	210 x 65 x 113mm
OL-WHO-20W	85-265VAC	20W	2250lm	ABS Body, HIPS Diffuser	IP54	120°	270 x 75 x 145mm

Complies to SANS 60598-2-1

NRCS APPROVED



OLIVIA

LED ROUND BULKHEADS

LUCY

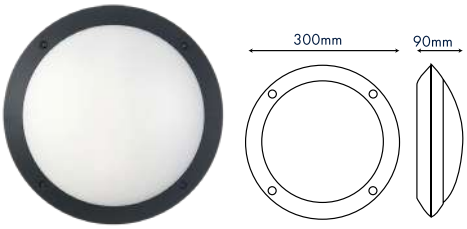
LED SQUARE BULKHEADS

- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- IP66 WATER/DUST RESISTANT
- ENERGY EFFICIENT
- LONG LASTING
- 10 IK RATING

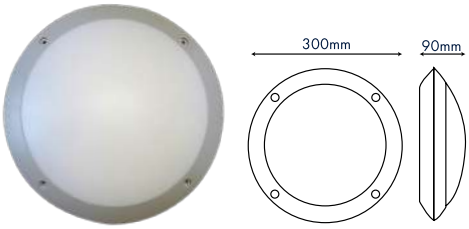
Perfect For:

Gardens | Residential Areas | Courtyard | Pathways

OLIVIA
LED ROUND BULKHEADS



OL-BR-LED
12W Black LED Round Bulkhead Fitting

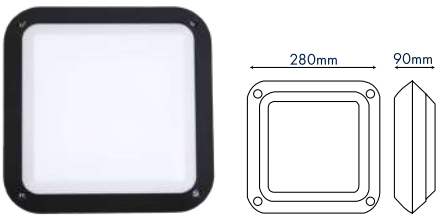


OL-GR-LED
12W Grey LED Round Bulkhead Fitting

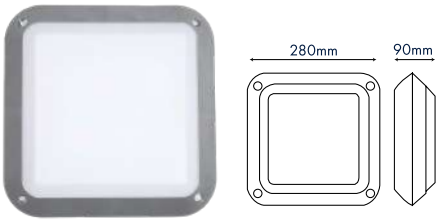


OL-WR-LED
12W White LED Round Bulkhead Fitting

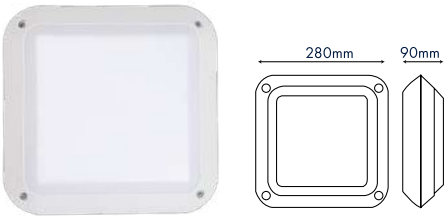
LUCY
LED SQUARE BULKHEADS



OL-BS-LED
12W Black LED Square Bulkhead Fitting



OL-GS-LED
12W Grey LED Square Bulkhead Fitting



OL-WS-LED
12W White LED Square Bulkhead Fitting



SUITABLE FOR COASTAL REGIONS

6000K Cool White

Product Code	Wattage	Voltage	Lumens/ Watt	Material	IP Rating	IK Rating	Beam Angle	Colour
OL-BR-LED	12W	220-240VAC	100lm/Watt	UV Stabilised Flame Retardant Polycarbonate Opal PC Diffuser	IP66	IK 10	120°	Black
OL-GR-LED	12W	220-240VAC	100lm/Watt	UV Stabilised Flame Retardant Polycarbonate Opal PC Diffuser	IP66	IK 10	120°	Grey
OL-WR-LED	12W	220-240VAC	100lm/Watt	UV Stabilised Flame Retardant Polycarbonate Opal PC Diffuser	IP66	IK 10	120°	White
OL-BS-LED	12W	220-240VAC	100lm/Watt	UV Stabilised Flame Retardant Polycarbonate Opal PC Diffuser	IP66	IK 10	120°	Black
OL-GS-LED	12W	220-240VAC	100lm/Watt	UV Stabilised Flame Retardant Polycarbonate Opal PC Diffuser	IP66	IK 10	120°	Grey
OL-WS-LED	12W	220-240VAC	100lm/Watt	UV Stabilised Flame Retardant Polycarbonate Opal PC Diffuser	IP66	IK 10	120°	White

Complies to SANS 60598-2-1

NRCS APPROVED

EXCELLENT CRI

ANTI-GLARE DIFFUSER

IP66
WATER/DUST RESISTANT

ENERGY EFFICIENT

LONG LASTING

10
IK RATING



OLIVIA

E27 ROUND BULKHEADS



LUCY

E27 SQUARE BULKHEADS



ZOE

E27 OVAL BULKHEADS

Perfect For:

Gardens | Residential Areas | Courtyard | Parking Lots

OLIVIA

E27 ROUND BULKHEADS



OL-BR
12W BLACK LED ROUND BULKHEAD FITTING

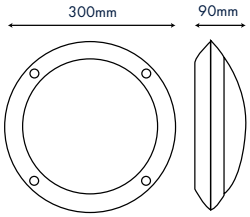


OL-GR
12W GREY LED ROUND BULKHEAD FITTING



OL-WR
12W WHITE LED ROUND BULKHEAD FITTING

- UV Stabilized Flame Retardant Polycarbonate, Opal PC Diffuser
- 1 x E27 (CFL Max 23W)
- Voltage 220-240 VAC
- IP66
- IK10



LUCY

E27 SQUARE BULKHEADS



OL-BS
12W BLACK LED SQUARE BULKHEAD FITTING

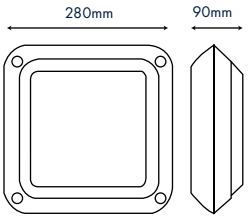


OL-GS
12W GREY LED SQUARE BULKHEAD FITTING



OL-WS
12W WHITE LED SQUARE BULKHEAD FITTING

UV Stabilized Flame Retardant Polycarbonate, Opal PC Diffuser
1 x E27 (CFL Max 23W)
Voltage 220-240 VAC
IP66
IK10



ZOE

E27 OVAL BULKHEADS



OL-BHO
12W BLACK LED OVAL BULKHEAD FITTING

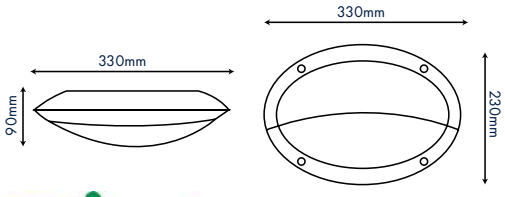


OL-GHO
12W GREY LED OVAL BULKHEAD FITTING



OL-WHO
12W WHITE LED OVAL BULKHEAD FITTING

- UV Stabilized Flame Retardant Polycarbonate, Opal PC Diffuser
- 1 x E27 (CFL Max 23W)
- Voltage 220-240 VAC
- IP66
- IK10



Complies to SANS 60598-2-1

FLUXA

FLICKER FREE LED CONVERSION KITS

Upgrade

your existing fitting to flicker-free LED

without replacing the fitting.

- Flicker-Free Illumination
- Energy Efficient
- Easy Retrofit Installation
- Long Lifespan



Remove old lamp & ballast



Install Flicker-Free LED Conversion Kit



Enjoy flicker-free LED lighting

COOL WHITE LIGHT OUTPUT | BRIGHTER. CLEANER. BETTER.

FLUXA

FLICKER FREE LED CONVERSION KITS



OL-FFCK-12W
12W LED FLICKER FREE CONVERSION KIT
Non Dimmable



OL-FFCK-18W
18W LED FLICKER FREE CONVERSION KIT
Non Dimmable



OL-FFCK-24W
24W LED FLICKER FREE CONVERSION KIT
Non Dimmable



OL-FFCK-36W
36W LED FLICKER FREE CONVERSION KIT
Non Dimmable

Product Code	Wattage	Voltage	Lumens/Watt	Beam Angle	Colour Temp
OL-FFCK-12W	12W	220 VAC	90lm/Watt	240°	6000K Cool White
OL-FFCK-18W	18W	220 VAC	90lm/Watt	240°	6000K Cool White
OL-FFCK-24W	24W	220 VAC	90lm/Watt	240°	6000K Cool White
OL-FFCK-36W	36W	220 VAC	90lm/Watt	240°	6000K Cool White

Complies to SANS 62031 & VC9012

NRCS APPROVED

LYRA

E27, B22 & GU10 LED LIGHT BULBS



EXCELLENT CRI

ENERGY EFFICIENT

LONG LASTING

Perfect For:

Residential Areas

LYRA

E27, B22 & GU10 LED LIGHT BULBS





LED2E27-5W-CW

E27 5W COOL WHITE BULB

Non Dimmable



LED3B22-5W-CW

B22 5W COOL WHITE BULB

Non Dimmable



LEDGU10-5W-CW

GU10 5W COOL WHITE BULB

Non Dimmable



LED2E27-9W-CW

E27 9W COOL WHITE BULB

Non Dimmable



LED3B22-9W-CW

B22 9W COOL WHITE BULB

Non Dimmable



LEDGU10-5W-WW

GU10 5W WARM WHITE BULB

Non Dimmable

Product Code	Wattage	Voltage	Lumens/ Watt	Base Type	Beam Angle	Colour Temp	Dimensions LxH
LED2E27-5W-CW	5W	165 - 300 VAC	90lm/Watt	E27	270°	6000K Cool White	60 x 110mm
LED2E27-9W-CW	9W	165 - 300 VAC	90lm/Watt	E27	270°	6000K Cool White	60 x 110mm
LED3B22-5W-CW	5W	165 - 300 VAC	90lm/Watt	B22	270°	6000K Cool White	60 x 113mm
LED3B22-9W-CW	9W	165 - 300 VAC	90lm/Watt	B22	270°	6000K Cool White	60 x 113mm
LEDGU10-5W-CW	5W	100 - 300 VAC	90lm/Watt	GU10	150°	6500K Cool White	50 x 62 mm
LEDGU10-5W-WW	5W	100 - 300 VAC	90lm/Watt	GU10	150°	2800K Warm White	50 x 62mm

Complies to SANS 62560 & 62087-1

NRCS APPROVED

AETHER

G95, G120 - E27 LED LIGHT BULBS



Perfect For:

Residential Areas

AETHER

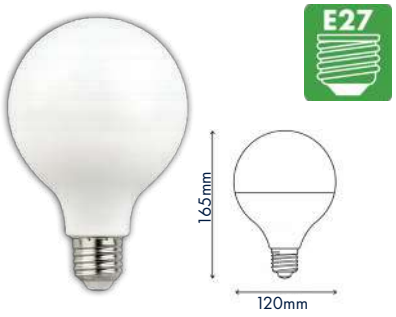
G95, G120 - E27 LED LIGHT BULBS





LEDG95-11W-CW

G95 11W E27 COOL WHITE BULB
Non Dimmable



LEDG120-18W-CW

G120 18W E27 COOL WHITE BULB
Non Dimmable



LEDG95-11W-WW

G95 11W E27 WARM WHITE BULB
Non Dimmable



LEDG120-18W-WW

G120 18W E27 WARM WHITE BULB
Non Dimmable

Product Code	Wattage	Voltage	Max Lumens	Beam Angle	Colour Temp	Dimensions LxH
LEDG95-11W-CW	11W	185 - 265 VAC	1000lm	270°	6000K Cool White	95 x 135mm
LEDG95-11W-WW	11W	185 - 265 VAC	1000lm	270°	3000K Warm White	95 x 135mm
LEDG120-18W-CW	18W	185 - 265 VAC	1550lm	270°	6000K Cool White	120 x 165mm
LEDG120-18W-WW	18W	185 - 265 VAC	1550lm	270°	3000K Warm White	120 x 165mm

Complies to SANS 62560 & 62087-1

NRCS APPROVED

LUMINOSA

3CCT GU10 SPOTLIGHTS - DIMMABLE



Perfect For:

Residential Areas

LUMINOSA

3CCT GU10 SPOTLIGHTS - DIMMABLE

NEW RANGE!

3 YEAR WARRANTY



GU10DIM-5W-3CCT

GU10 5W 3CCT DIMMABLE PLASTIC SPOTLIGHT



GU10DIM-7W-3CCT

GU10 7W 3CCT DIMMABLE PLASTIC SPOTLIGHT



GU10DIM-9W-3CCT

GU10 9W DIMMABLE PLASTIC SPOTLIGHT

TOGGLE 3CCT
Selectable CCT

TOGGLE 3CCT | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

Product Code	Wattage	Voltage	Surge Protection	Beam Angle	Lumens/Watt	Colour Temp	Dimensions LxH
GU10DIM-5W-3CCT	5W	185 - 265 VAC	1kV	60°	105lm/Watt	3CCT	50 x 55mn
GU10DIM-7W-3CCT	7W	185 - 265 VAC	1kV	60°	105lm/Watt	3CCT	50 x 55mm
GU10DIM-9W-3CCT	9W	185 - 265 VAC	1kV	60°	105lm/Watt	3CCT	50 x 64mm

Complies to SANS 62560

NRCS APPROVED

LUSTRA

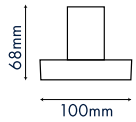
E27 LAMP HOLDERS



Perfect For:
Residential Areas

LUSTRA

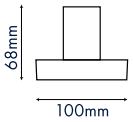
E27 LAMP HOLDERS





OL-E27-HB-W
E27 BASE MOUNT LAMP HOLDER

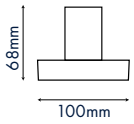
White E27 Base Mount
Lamp Holder
100-250 VAC
Mild Steel
*Sold in boxes of 10





OL-E27-HB-B
E27 BASE MOUNT LAMP HOLDER

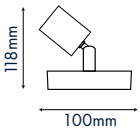
Black E27 Base Mount
Lamp Holder
100-250 VAC
Mild Steel
*Sold in boxes of 10





OL-E27-HB-S
E27 BASE MOUNT LAMP HOLDER

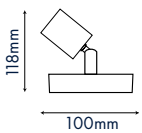
Silver E27 Base Mount
Lamp Holder
100-250 VAC
Mild Steel
*Sold in boxes of 10





OL-E27-HB-Z-W
E27 ADJUSTABLE BASE MOUNT LAMP HOLDER

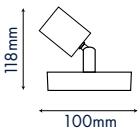
White E27 Adjustable Base Mount
Lamp Holder
100-250 VAC
Mild Steel
Adjustable to 180°
*Sold in boxes of 10





OL-E27-HB-Z-B
E27 ADJUSTABLE BASE MOUNT LAMP HOLDER

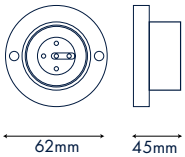
Black E27 Adjustable Base Mount
Lamp Holder
100-250 VAC
Mild Steel
Adjustable to 180°
*Sold in boxes of 10





OL-E27-HB-Z-S
E27 ADJUSTABLE BASE MOUNT LAMP HOLDER

Silver E27 Adjustable Base Mount
Lamp Holder
100-250 VAC
Mild Steel
Adjustable to 180°
*Sold in boxes of 10

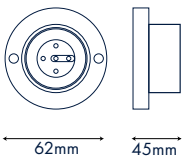




OL-E27-90-W
E27 PLASTIC BASE MOUNT LAMP HOLDER

- White E27 Base Mount
- Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 10





OL-E27-90-B
E27 PLASTIC BASE MOUNT LAMP HOLDER

- Black E27 Base Mount
- Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 10

Complies to SANS 60598-2-1 & 60238

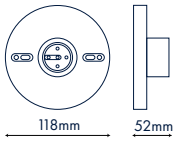
NRCS APPROVED

LUSTRA

E27 & B22 LAMP HOLDERS & SWITCHES

E27





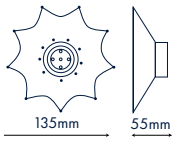
OL-E27-110-W
E27 BASE MOUNT LAMP HOLDER

- White E27 Base Mount Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 10

E27





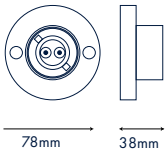
OL-E27-120-W
E27 BASE MOUNT LAMP HOLDER

- White E27 Base Mount Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 10

B22





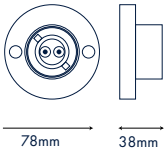
OL-B22-PB-W
B22 MOUNT LAMP HOLDER

- White B22 Base Mount Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 10

B22





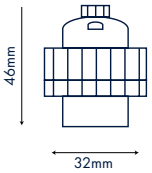
OL-B22-PB-B
B22 BASE MOUNT LAMP HOLDER

- Black B22 Base Mount Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 10

B22





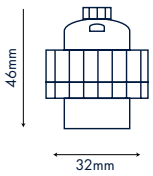
OL-B22-HL-W
B22 LAMP HOLDER

- White B22 Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 20

B22



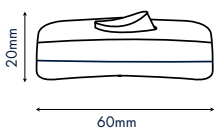


OL-B22-HL-B
B22 LAMP HOLDER

- Black B22 Lamp Holder
- 100-250 VAC
- Plastic

*Sold in boxes of 20



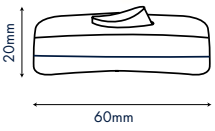


OL-305-SW-W
INLINE LIGHT SWITCH

- White Light Switch
- 100-250 VAC
- Plastic

*Sold in boxes of 50





OL-305-SW-B
INLINE LIGHT SWITCH

- Black Light Switch
- 100-250 VAC
- Plastic

*Sold in boxes of 50

Complies to SANS 61058-2-1 & 60238

NRCS APPROVED

VELORA

PENDANT LAMP HOLDERS



Perfect For:
Residential Areas

VELORA

PENDANT LAMP HOLDERS

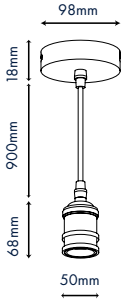
1 YEAR WARRANTY





OL-PEND-BK
E27 BLACK PENDANT LAMP HOLDER

Colour: Black Aluminium
1 Meter Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC

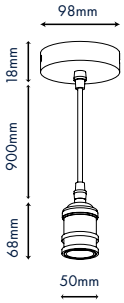






OL-PEND-DN
E27 GUN METAL PENDANT LAMP HOLDER

Colour: Gun Metal Aluminium
1 Meter Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC

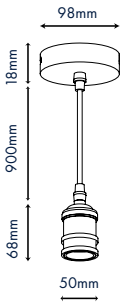






OL-PEND-GC
E27 GOLD COPPER PENDANT LAMP HOLDER

Colour: Gold Copper Aluminium
1 Meter Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC

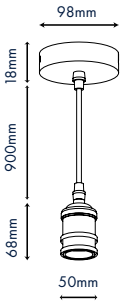






OL-PEND-RG
E27 ROSE GOLD PENDANT LAMP HOLDER

Colour: Rose Gold Aluminium
1 Meter Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC



Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

VELORA

PENDANT LAMP HOLDERS

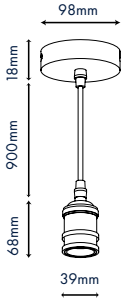
1 YEAR WARRANTY





OL-PEND-BK-TF
E27 FLAT BLACK PENDANT LAMP HOLDER

Colour: Black Aluminium
1Meter Twisted Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC

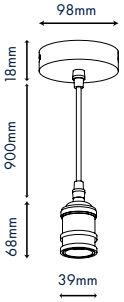






OL-PEND-DN-TF
E27 FLAT GUN METAL PENDANT LAMP HOLDER

Colour: Gun Metal Aluminium
1Meter Twisted Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC

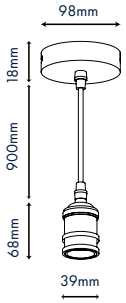






OL-PEND-GC-TF
E27 FLAT GOLD COPPER PENDANT LAMP HOLDER

Colour: Gold Copper Aluminium
1Meter Twisted Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC

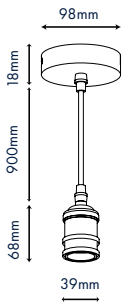






OL-PEND-RG-TF
E27 FLAT ROSE GOLD PENDANT LAMP HOLDER

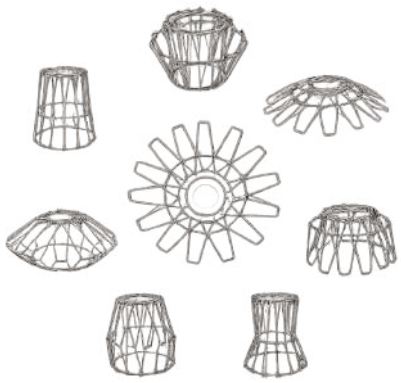
Colour: Rose Gold Aluminium
1Meter Twisted Cable (2 x 0.75m²)
E27 (100W Max),
250 VAC



Complies to SANS 60598-2-1 & 60598-1

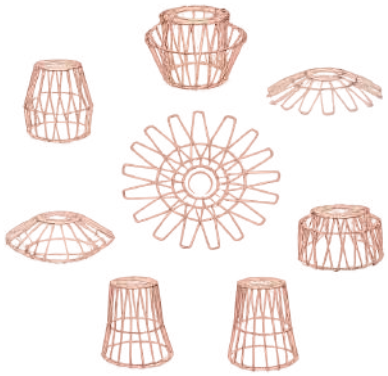
NRCS APPROVED

VELORA
PENDANT LAMP HOLDERS



OL-PEND-PCS-B SIZE: Ø250MM
OL-PEND-PCM-B SIZE: Ø310MM
OL-PEND-PCL-B SIZE: Ø370MM

Colour: Electroplated Black Steel
Adjustable to 8 Different Shapes



OL-PEND-PCS-RG SIZE: Ø250MM
OL-PEND-PCM-RG SIZE: Ø310MM
OL-PEND-PCL-RG SIZE: Ø370MM

Colour: Electroplated Rose Gold Steel
Adjustable to 8 Different Shapes



OL-PEND-RND-BK
E27 ROUND 3 PIECE PENDANT LAMP HOLDER

Colour: Black Aluminium
250x50mm Round Aron Ceiling Plate
3 x 1000mm Cable (2 x 0.75m²)
3 x E27 (100W Max),
220-240 VAC



OL-PEND-RECT-BK
E27 RECTANGULAR 3 PIECE PENDANT LAMP HOLDER

Colour: Black Aliminium
500x50mm Rectangular Aron Ceiling Plate
3 x 1000mm Cable (2 x 0.75m²)
3 x E27 (100W Max),
220-240 VAC

Complies to SANS 60598-2-1 & 60598-1

NRCS APPROVED

VEGA

LED FILAMENT BULBS - DIMMABLE



EXCELLENT CRI

ENERGY EFFICIENT

LONG LASTING

Perfect For:

Residential Areas

VEGA

LED FILAMENT BULBS - DIMMABLE



OL-A60-4W-D-T

4W LED E27 FILAMENT BULB

Transparent & Dimmable



OL-ST64-8W-D-

8W LED E27 FILAMENT BULB

Transparent/Gold/Grey & Dimmable



OL-A60-8W-D-T

8W LED E27 FILAMENT BULB

Transparent & Dimmable



OL-G80-5W-D-

5W LED E27 FILAMENT BULB

Transparent/Gold/Grey & Dimmable



OL-G95-5W-D-

5W LED E27 FILAMENT BULB

Transparent/Gold/Grey & Dimmable



OL-G125-5W-D-

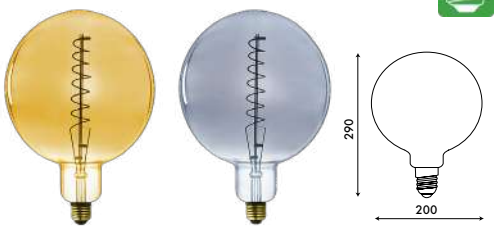
5W LED E27 FILAMENT BULB

Transparent/Gold/Grey & Dimmable

Product Code	Wattage	Voltage	Colour	Colour Temp	Filament Type	Dimensions LxH
OL-A60-4W-D-T	4W	220 - 240 VAC	Transparent	2800K Warm White	Spiral	60 x 105mm
OL-A60-8W-D-T	8W	220 - 240 VAC	Transparent	2800K Warm White	Straight	60 x 105mm
OL-ST64-8W-D-T	8W	220 - 240 VAC	Transparent	2800K Warm White	Straight	65 x 145mm
OL-ST64-8W-D-GD	8W	220 - 240 VAC	Gold	2800K Warm White	Straight	65 x 145mm
OL-ST64-8W-D-GY	8W	220 - 240 VAC	Grey	2800K Warm White	Straight	65 x 145mm
OL-G80-5W-D-T	5W	220 - 240 VAC	Transparent	2800K Warm White	Spiral	80 x 130mm
OL-G80-5W-D-GD	5W	220 - 240 VAC	Gold	2800K Warm White	Spiral	80 x 130mm
OL-G80-5W-D-GY	5W	220 - 240 VAC	Grey	2800K Warm White	Spiral	80 x 130mm
OL-G95-5W-D-T	5W	220 - 240 VAC	Transparent	2800K Warm White	Straight	95 x 135mm
OL-G95-5W-D-GD	5W	220 - 240 VAC	Gold	2800K Warm White	Straight	95 x 135mm
OL-G95-5W-D-GY	5W	220 - 240 VAC	Grey	2800K Warm White	Straight	95 x 135mm
OL-G125-5W-D-T	5W	220 - 240 VAC	Transparent	2800K Warm White	Spiral	125 x 175mm
OL-G125-5W-D-GD	5W	220 - 240 VAC	Gold	2800K Warm White	Spiral	125 x 175mm
OL-G125-5W-D-GY	5W	220 - 240 VAC	Grey	2800K Warm White	Spiral	125 x 175mm

VEGA

LED FILAMENT BULBS - DIMMABLE



OL-G200-4W-D-

4W LED E27 FILAMENT BULB

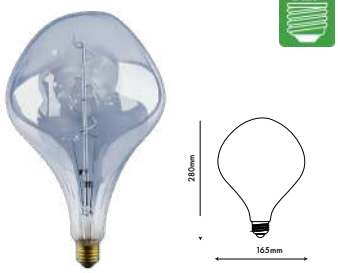
Gold/Grey & Dimmable



OL-PS40-4W-D-

4W LED E27 FILAMENT BULB

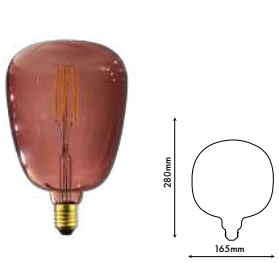
Gold/Grey & Dimmable



CL-PS165-4W-D-GY

4W LED E27 FILAMENT BULB

Grey & Dimmable



OL-DT140-CR

4W LED E27 FILAMENT BULB

Classic Rose & Dimmable



OL-DT200-

4W LED E27 FILAMENT BULB

Gradient Black/Olive/Classic Rose & Dimmable



OL-DT170-

4W LED E27 FILAMENT BULB

Gradient Black/Olive/ Classic Rose & Dimmable

Product Code	Wattage	Voltage	Colour	Colour Temp	Filament Type	Dimensions LxH
OL-G200-4W-D-GD	4W	220 - 240 VAC	Gold	2500K Warm White	Spiral	200 x 290mm
OL-G200-4W-D-GY	4W	220 - 240 VAC	Grey	2500K Warm White	Spiral	200 x 290mm
OL-PS40-4W-D-GD	4W	220 - 240 VAC	Gold	2500K Warm White	Spiral	120 x 230mm
OL-PS40-4W-D-GD	4W	220 - 240 VAC	Gold	2500K Warm White	Spiral	120 x 230mm
OL-PS165-4W-D-GY	4W	220 - 240 VAC	Grey	2500K Warm White	Straight	165 x 280mm
OL-DT140-CR	4W	220 - 240 VAC	Classic Rose	2300K Warm White	Spiral	165 x 280mm
OL-DT170-GB	4W	220 - 240 VAC	Gradient Black	2300K Warm White	Spiral	165 x 280mm
OL-DT170-O	4W	220 - 240 VAC	Olive	2300K Warm White	Spiral	165 x 280mm
OL-DT170-CR	4W	220 - 240 VAC	Classic Rose	2300K Warm White	Spiral	165 x 280mm
OL-DT200-GB	4W	220 - 240 VAC	Gradient Black	2300K Warm White	Spiral	120 x 280mm
OL-DT200-O	4W	220 - 240 VAC	Olive	2300K Warm White	Spiral	120 x 280mm
OL-DT200-CR	4W	220 - 240 VAC	Classic Rose	2200K Warm White	Spiral	120 x 280mm

CYCLO

LED ROUND FLUSH DOWNLIGHTS
NON - DIMMABLE



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING
- IP20 WATER/DUST RESISTANT

Perfect For:

Residential Areas | Mood Lighting

CYCLO

LED ROUND FLUSH DOWNLIGHTS
NON - DIMMABLE

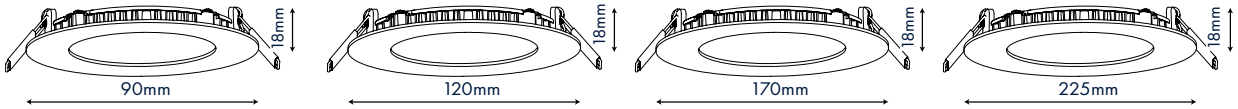


2 YEAR WARRANTY

IP20

*Complete with Electronic Driver

DIMENSIONS



Product Code	Wattage	Voltage	Beam Angle	Colour Temp	Surround Colour	Cut-Out Size
OL-CY03W-CW-N	3W	85 - 265 VAC	120°	6500K - Cool White	White	75mm
OL-CY03W-WW-N	3W	85 - 265 VAC	120°	3000K - Warm White	White	75mm
OL-CY03S-CW-N	3W	85 - 265 VAC	120°	6500K - Cool White	Silver	75mm
OL-CY03S-WW-N	3W	85 - 265 VAC	120°	3000K - Warm White	Silver	75mm
OL-CY03B-CW-N	3W	85 - 265 VAC	120°	6500K - Cool White	Black	75mm
OL-CY03B-WW-N	3W	85 - 265 VAC	120°	3000K - Warm White	Black	75mm
OL-CY06W-CW-N	6W	85 - 265 VAC	120°	6500K - Cool White	White	105mm
OL-CY06W-WW-N	6W	85 - 265 VAC	120°	3000K - Warm White	White	105mm
OL-CY06S-CW-N	6W	85 - 265 VAC	120°	6500K - Cool White	Silver	105mm
OL-CY06S-WW-N	6W	85 - 265 VAC	120°	3000K - Warm White	Silver	105mm
OL-CY06B-CW-N	6W	85 - 265 VAC	120°	6500K - Cool White	Black	105mm
OL-CY06B-WW-N	6W	85 - 265 VAC	120°	3000K - Warm White	Black	105mm
OL-CY12W-CW-N	12W	85 - 265 VAC	120°	6500K - Cool White	White	155mm
OL-CY12W-WW-N	12W	85 - 265 VAC	120°	3000K - Warm White	White	155mm
OL-CY12S-CW-N	12W	85 - 265 VAC	120°	6500K - Cool White	Silver	155mm
OL-CY12S-WW-N	12W	85 - 265 VAC	120°	3000K - Warm White	Silver	155mm
OL-CY12B-CW-N	12W	85 - 265 VAC	120°	6500K - Cool White	Black	155mm
OL-CY12B-WW-N	12W	85 - 265 VAC	120°	3000K - Warm White	Black	155mm
OL-CY18W-CW-N	18W	85 - 265 VAC	120°	6500K - Cool White	White	210mm
OL-CY18W-WW-N	18W	85 - 265 VAC	120°	3000K - Warm White	White	210mm
OL-CY18S-CW-N	18W	85 - 265 VAC	120°	6500K - Cool White	Silver	210mm
OL-CY18S-WW-N	18W	85 - 265 VAC	120°	3000K - Warm White	Silver	210mm
OL-CY18B-CW-N	18W	85 - 265 VAC	120°	6500K - Cool White	Black	210mm
OL-CY18B-WW-N	18W	85 - 265 VAC	120°	3000K - Warm White	Black	210mm

*Refer to page 364 for spare drivers.

Complies to SANS 60598-2-2

NRCS APPROVED

CYCLO

3CCT SLIMLINE LED DOWNLIGHTS
DIMMABLE



EXCELLENT CRI

ANTI-GLARE DIFFUSER

ENERGY EFFICIENT

ULTRA SLIM EASY FIT

LONG LASTING

IP20
WATER/DUST RESISTANT

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

Residential Areas | Mood Lighting

CYCLO

3CCT SLIMLINE LED DOWNLIGHTS DIMMABLE



2 YEAR WARRANTY

TOGGLE 3CCT Selectable CCT

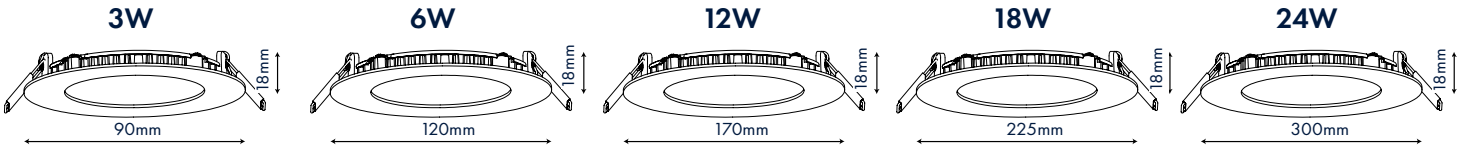
1kV SURGE PROTECTION

IP20

*Complete with Dimmable Driver & Dip Switch

TOGGLE 3CCT | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

DIMENSIONS



Product Code	Wattage	Voltage	Beam Angle	Colour Temp	Surround Colour	Cut-Out Size
3CCT-OL-CY03WD	3W	85 - 265 VAC	120°	3CCT	White	75mm
3CCT-OL-CY03SD	3W	85 - 265 VAC	120°	3CCT	Silver	75mm
3CCT-OL-CY03BD	3W	85 - 265 VAC	120°	3CCT	Black	75mm
3CCT-OL-CY06WD	6W	85 - 265 VAC	120°	3CCT	White	105mm
3CCT-OL-CY06SD	6W	85 - 265 VAC	120°	3CCT	Silver	105mm
3CCT-OL-CY06BD	6W	85 - 265 VAC	120°	3CCT	Black	105mm
3CCT-OL-CY12WD	12W	85 - 265 VAC	120°	3CCT	White	155mm
3CCT-OL-CY12SD	12W	85 - 265 VAC	120°	3CCT	Silver	155mm
3CCT-OL-CY12BD	12W	85 - 265 VAC	120°	3CCT	Black	155mm
3CCT-OL-CY18WD	18W	85 - 265 VAC	120°	3CCT	White	205mm
3CCT-OL-CY18SD	18W	85 - 265 VAC	120°	3CCT	Silver	205mm
3CCT-OL-CY18BD	18W	85 - 265 VAC	120°	3CCT	Black	205mm
3CCT-OL-CY24WD	24W	85 - 265 VAC	120°	3CCT	White	280mm
3CCT-OL-CY24SD	24W	85 - 265 VAC	120°	3CCT	Silver	280mm
3CCT-OL-CY24BD	24W	85 - 265 VAC	120°	3CCT	Black	280mm

*Refer to page 364 for spare drivers.

Complies to SANS 60598-2-2

NRCS APPROVED

ATHENA

LED SURFACE DOWNLIGHTS WITH MAGNETIC RINGS – NON-DIMMABLE



Perfect For:

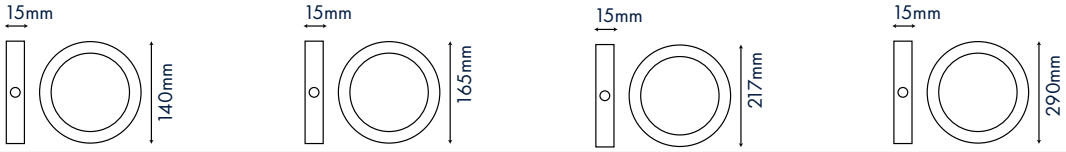
Residential Areas | Mood Lighting

ATHENA

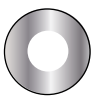
LED SURFACE DOWNLIGHTS WITH MAGNETIC COLOUR RING OPTIONS – NON-DIMMABLE



DIMENSIONS



Product Code	Wattage	Voltage	Beam Angle	Lumens/ Watt	Colour Temp	Cut-Out Size
OL-CY06W-CW-M	6W	85 - 265 VAC	160°	480lm/Watt	6000K - Cool White	55-100mm
OL-CY06W-WW-M	6W	85 - 265 VAC	160°	480lm/Watt	3000K - Warm White	55-100mm
OL-CY12W-CW-M	12W	85 - 265 VAC	160°	960lm/Watt	6000K - Cool White	55-125mm
OL-CY12W-WW-M	12W	85 - 265 VAC	160°	960lm/Watt	3000K - Warm White	55-125mm
OL-CY18W-CW-M	18W	85 - 265 VAC	160°	1530lm/Watt	6000K - Cool White	55-175mm
OL-CY18W-WW-M	18W	85 - 265 VAC	160°	1530lm/Watt	3000K - Warm White	55-175mm
OL-CY24W-CW-M	24W	85 - 265 VAC	160°	2000lm/Watt	6000K - Cool White	60-250mm
OL-CY24W-WW-M	24W	85 - 265 VAC	160°	2000lm/Watt	2800K - Warm White	60-250mm

Magnetic Colour Ring Options				
Lighting Product Code	Black Colour Ring	Bronze Colour Ring	Nickel Colour Ring	Rose Gold Colour Ring
				
OL-CY06W-CW-M	OL-CR6-BK	OL-CR6-BR	OL-CR6-NI	OL-CR6-RG
OL-CY06W-WW-M	OL-CR6-BK	OL-CR6-BR	OL-CR6-NI	OL-CR6-RG
OL-CY12W-CW-M	OL-CR12-BK	OL-CR12-BR	OL-CR12-NI	OL-CR12-RG
OL-CY12W-WW-M	OL-CR12-BK	OL-CR12-BR	OL-CR12-NI	OL-CR12-RG
OL-CY18W-CW-M	OL-CR18-BK	OL-CR18-BR	OL-CR18-NI	OL-CR18-RG
OL-CY18W-WW-M	OL-CR18-BK	OL-CR18-BR	OL-CR18-NI	OL-CR18-RG
OL-CY24W-CW-M	OL-CR24-BK	OL-CR24-BR	OL-CR24-NI	OL-CR24-RG
OL-CY24W-WW-M	OL-CR24-BK	OL-CR24-BR	OL-CR24-NI	OL-CR24-RG

EOS

LED DOWNLIGHTS
NON-DIMMABLE



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING
- IP20 WATER/DUST RESISTANT

Perfect For:

Residential Areas | Mood Lighting

EOS

LED DOWNLIGHTS
NON - DIMMABLE - WHITE PLASTIC

OL-PDL-



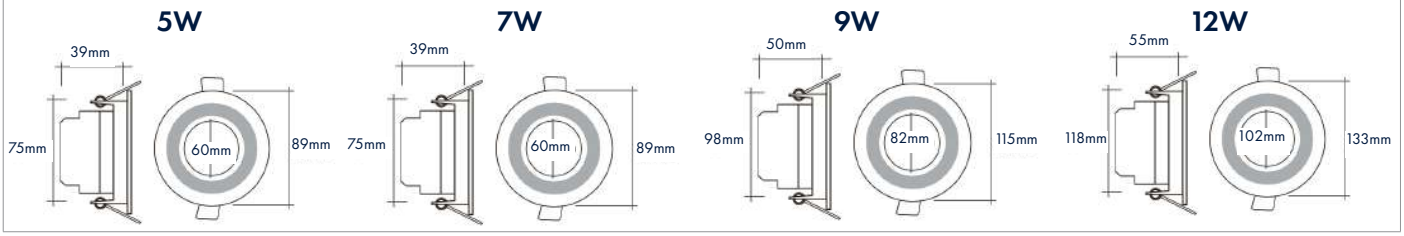
WARRANTY 2 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS

IP20

*Complete with Electronic Driver

DIMENSIONS



Product Code	Wattage	Voltage	Beam Angle	Lumens/ Watt	Colour Temp	Cut-Out Size
OL-PDL-R5-CW	5W	100 - 240 VAC	100°	80lm/Watt	6000K - Cool White	75mm
OL-PDL-R5-WW	5W	100 - 240 VAC	100°	80lm/Watt	2800K - Warm White	75mm
OL-PDL-R7-CW	7W	100 - 240 VAC	100°	80lm/Watt	6000K - Cool White	75mm
OL-PDL-R7-WW	7W	100 - 240 VAC	100°	80lm/Watt	2800K - Warm White	75mm
OL-PDL-R9-CW	9W	100 - 240 VAC	100°	80lm/Watt	6000K - Cool White	98mm
OL-PDL-R9-WW	9W	100 - 240 VAC	100°	80lm/Watt	2800K - Warm White	98mm
OL-PDL-R12-CW	12W	100 - 240 VAC	100°	80lm/Watt	6000K - Cool White	118mm
OL-PDL-R12-WW	12W	100 - 240 VAC	100°	80lm/Watt	2800K - Warm White	118mm

Complies to SANS 60598-2-2

NRCS APPROVED

EOS

LED DOWNLIGHTS
NON-DIMMABLE



EXCELLENT CRI

ANTI-GLARE DIFFUSER

ENERGY EFFICIENT

ULTRA SLIM EASY FIT

LONG LASTING

IP20
WATER/DUST RESISTANT

Perfect For:

Residential Areas | Mood Lighting

EOS

LED DOWNLIGHTS
NON - DIMMABLE - BLACK PLASTIC

OL-SPDL-



2 YEAR WARRANTY

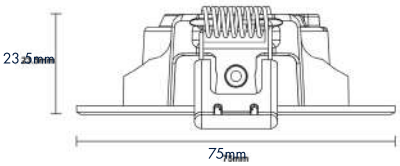
SUITABLE FOR COASTAL REGIONS

IP20

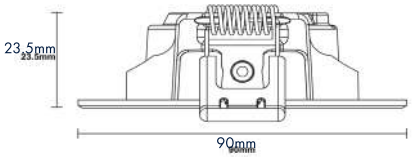
*Complete with Electronic Driver

DIMENSIONS

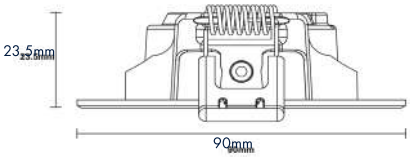
3W



5W



7W



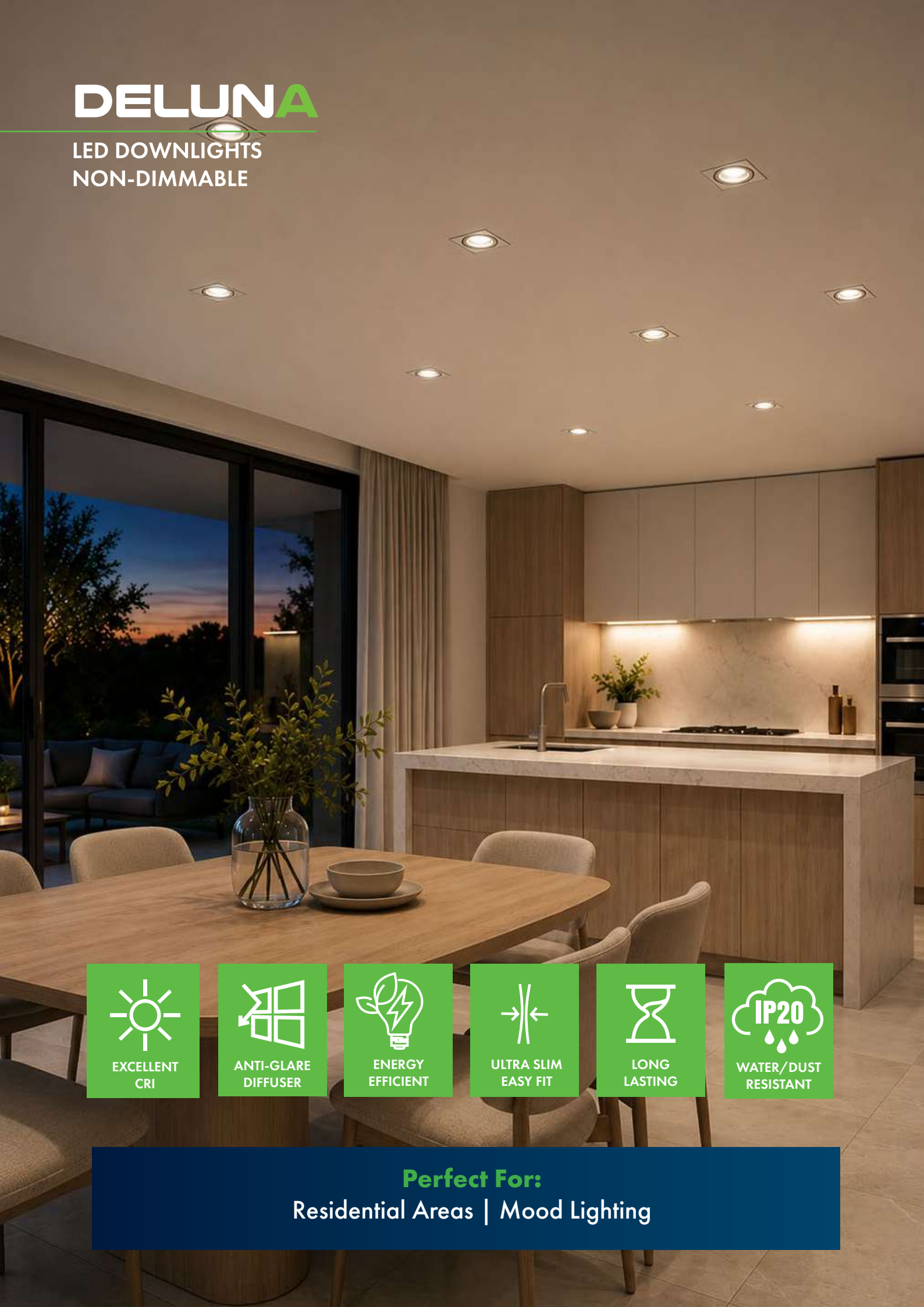
Product Code	Wattage	Voltage	Beam Angle	Lumens/ Watt	Colour Temp	Cut-Out Size
OL-SPDL-R3-CW-BK	3W	220 - 240 VAC	100°	80lm/Watt	6000K - Cool White	55mm
OL-SPDL-R5-CW-BK	5W	220 - 240 VAC	100°	80lm/Watt	6000K - Cool White	70mm
OL-SPDL-R7-CW-BK	7W	220 - 240 VAC	100°	80lm/Watt	6000K - Cool White	70mm

Complies to SANS 60598-2-2

NRCS APPROVED

DELUNA

LED DOWNLIGHTS
NON-DIMMABLE



EXCELLENT CRI

ANTI-GLARE DIFFUSER

ENERGY EFFICIENT

ULTRA SLIM EASY FIT

LONG LASTING

IP20
WATER/DUST RESISTANT

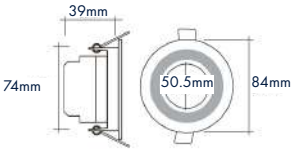
Perfect For:

Residential Areas | Mood Lighting

DELUNA

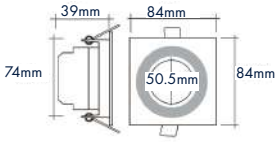
LED DOWNLIGHTS NON - DIMMABLE





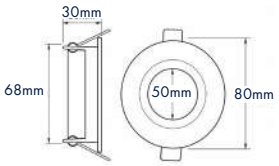
OL-924-W-C
ROUND ADJUSTABLE LED DOWNLIGHT





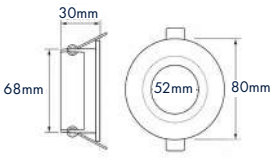
OL-925-W-C
SQUARE ADJUSTABLE LED DOWNLIGHT





OL-821-S-C
ROUND FIXED LED DOWNLIGHT





OL-822-S-C
ROUND ADJUSTABLE LED DOWNLIGHT





*Complete with Electronic Driver & Connection Block

SUITABLE FOR COASTAL REGIONS

Product Code	Wattage	Voltage	Material	Lumens/ Watt	Colour Temp	Cut-Out Size
OL-924-W-C	6W	200 - 240 VAC	White Aluminium Surround	80lm/Watt	6000K - Cool White	74mm
OL-925-W-C	6W	200 - 240 VAC	White Aluminium Surround	80lm/Watt	6000K - Cool White	74mm
OL-821-S-C	6W	200 - 240 VAC	Aluminium Satin Nickel Surround	80lm/Watt	6000K - Cool White	68mm
OL-822-S-C	6W	200 - 240 VAC	Aluminium Satin Nickel Surround	80lm/Watt	6000K - Cool White	78mm

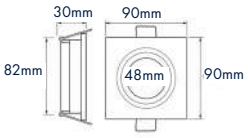
DELUNA

LED DOWNLIGHTS NON - DIMMABLE





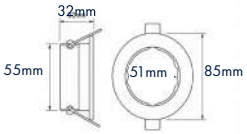




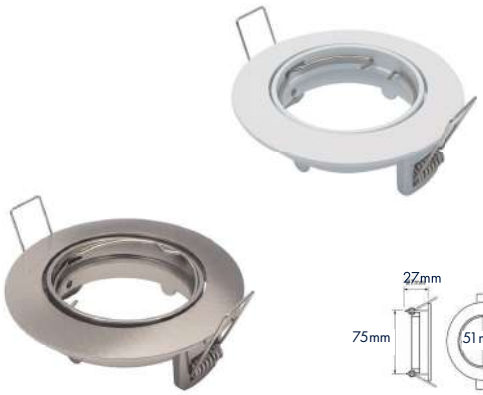
OL-824-S-C
SQUARE ADJUSTABLE LED DOWNLIGHT

*Complete with Electronic Driver & Connection Block



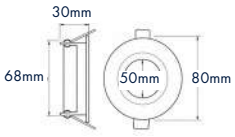


OL-8221-W & OL-8221-S
FIXED ROUND DOWNLIGHT FITTING ONLY WITH RETAINING SPRING



OL-802-W & OL-802-S
ADJUSTABLE ROUND DOWNLIGHT FITTING ONLY WITH RETAINING SPRING





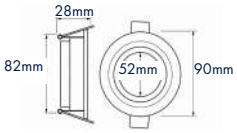
OL-821-S
FIXED ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

Product Code	Wattage	Voltage	Material	Lumens/ Watt	Colour Temp	Cut-Out Size
OL-824-S-C	6W	200 - 240 VAC	Aluminium Satin Nickel Surround	80lm/Watt	6000K - Cool White	80mm
Ol-8221-W	-	-	White Cast Iron Fitting	-	-	52mm
Ol-8221-S	-	-	Cast Iron Satin Nickel Fitting	-	-	52mm
Ol-802-W	-	-	White Aluminium Fitting	-	-	74mm
Ol-802-S	-	-	Aluminium Satin Nickel Fitting	-	-	74mm
Ol-821-S	-	-	Aluminium Satin Nickel Fitting	-	-	68mm

DELUNA

DOWNLIGHT FITTINGS



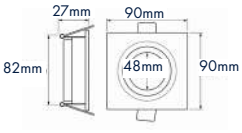


OL-822-S

ADJUSTABLE ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

Aluminium Satin Nickel Fitting
Adjustable cut-out size: 80mm





OL-824-S

ADJUSTABLE SQUARE DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

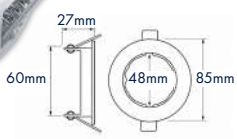
Aluminium Satin Nickel Fitting
Adjustable cut-out size: 92mm









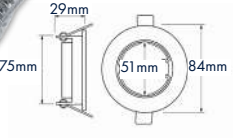


OL-901-W

FIXED ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

White Cast Iron Fitting
Adjustable cut-out size: 60mm





OL-902-W

FIXED ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

White Cast Iron Fitting
Adjustable cut-out size: 75mm

DELUNA

DOWNLIGHT FITTINGS

SUITABLE FOR COASTAL REGIONS

IP20

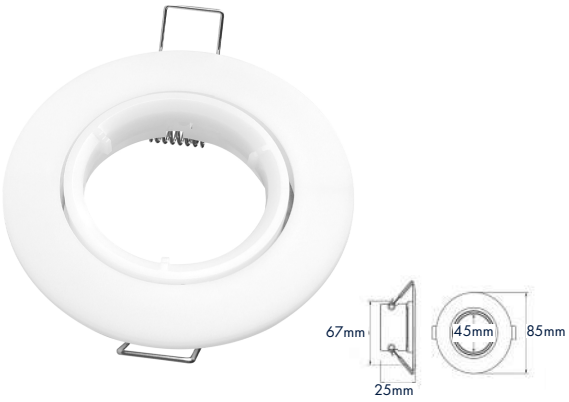
WARRANTY 3 YEAR WARRANTY



OL-1255-W & OL-1225-B

FIXED ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

White or Black Plastic Fitting
Adjustable cut-out size: 55mm



OL-912-W

ADJUSTABLE ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

White Plastic Fitting
Adjustable cut-out size: 68mm



OL-01175A-

ROUND ANTI-GLARE RECESSED DOWNLIGHT FITTING

White, Black or Black & White Plastic Fitting
cut-out size: 72mm



OL-0575-W & OL-0575-B

FIXED ROUND DOWNLIGHT FITTING ONLY WITH REMOVABLE RETAINING RING

White or Black Plastic Fitting
Adjustable cut-out size: 75mm

DELUNA

DOWNLIGHT FITTINGS

SUITABLE FOR COASTAL REGIONS

IP20

WARRANTY 3 YEAR WARRANTY



OL-058080-B

BLACK SQUARE ANTI GLARE ADJUSTABLE SHALLOW RECESSED 1 LAMP PLASTIC FITTING



OL-058080-W

WHITE SQUARE ANTI GLARE ADJUSTABLE SHALLOW RECESSED 1 LAMP PLASTIC FITTING



OL-0580160-B

BLACK RECTANGULAR ANTI GLARE ADJUSTABLE SHALLOW RECESSED 2 LAMP PLASTIC FITTING



OL-0580160-W

WHITE RECTANGULAR ANTI GLARE ADJUSTABLE SHALLOW RECESSED 2 LAMP PLASTIC FITTING



OL-0580240-B

BLACK RECTANGULAR ANTI GLARE ADJUSTABLE SHALLOW RECESSED 3 LAMP PLASTIC FITTING



OL-0580240-W

WHITE RECTANGULAR ANTI GLARE ADJUSTABLE SHALLOW RECESSED 3 LAMP PLASTIC FITTING

DELUNA

LED DOWNLIGHT ACCESSORIES



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING

Perfect For:

Residential Areas | Mood Lighting

DELUNA

LED DOWNLIGHT ACCESSORIES



OL-LED2PIN+CB

SPARE LAMP & CONNECTION BLOCK FOR:

OL-924-W-C

OL-925-W-C



OL-LED+CB

SPARE LAMP & CONNECTION BLOCK FOR:

OL-821-S-C

OL-822-S-C

OL-824-S-C



OL-GU10LH+CB

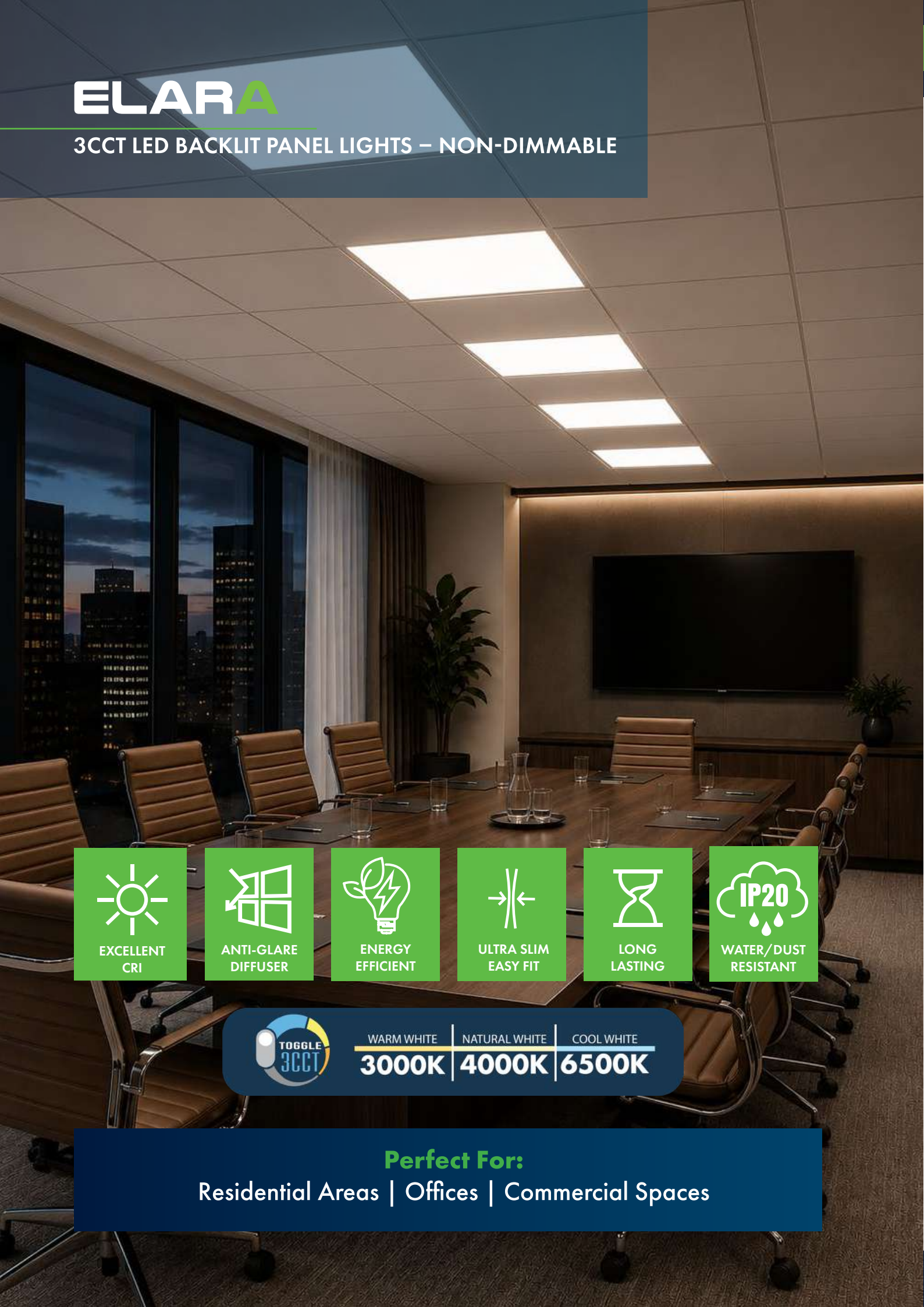
GU10 LAMP HOLDER WITH CONNECTION BLOCK



Product Code	Wattage	Voltage	Material	Lumens/ Watt	Colour Temp
OL-LED2PIN+CB	6W	220 - 240 VAC	White	90lm/Watt	6500K - Cool White
OL-LED+CB	6W	220 - 240 VAC	White	90lm/Watt	6500K - Cool White
OL-GU10LH+CB	-	220 - 240VAC	Black & White	-	Holder Only

ELARA

3CCT LED BACKLIT PANEL LIGHTS – NON-DIMMABLE



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING
- IP20 WATER/DUST RESISTANT

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

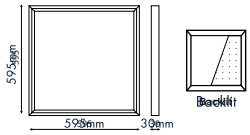
Residential Areas | Offices | Commercial Spaces

ELARA

3CCT LED BACKLIT PANEL LIGHTS – NON-DIMMABLE



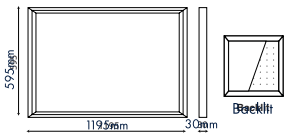
EBL-LED600-3CCT
600X600 BACKLIT LED PANEL LIGHT



Complete with driver & Dip Switch



EBL-LED12-3CCT
1.2X600 BACKLIT LED PANEL LIGHT



Complete with driver & Dip Switch



WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

TOGGLE 3CCT Selectable CCT

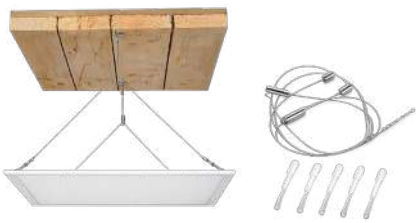
SUITABLE FOR COASTAL REGIONS

Product Code	Wattage	Voltage	Material	Lumens/ Watt	Colour Temp	IP	Power Factor	Dimensions L x W x H
EBL-LED600-3CCT	40W	220 - 240 VAC	White	105lm/Watt	3CCT	IP20	0.9	595 x 30 x 595mm
EBL-LED12-3CCT	76W	220 - 240 VAC	White	105lm/Watt	3CCT	IP20	0.9	1195 x 30 x 595mm

*Refer to page 364 for spare drivers and page 356 for Battery back-up kits.



EBL-LEDCMF
CEILING MOUNT FIXTURE



EBL-LEDHF
SUSPENDED HANGING FIXTURE



EBL-LEDSPI
SPRING BUCKLE FIXTURE

Product Code	Fixture Type	Suitable for EBL Product Code
EBL-LEDHF6	Ceiling Mount	EBL-LED600-3CCT
EBL-LEDHF12	Ceiling Mount	EBL-LED12-3CCT
EBL-LEDHF6	Hanging Fixture	EBL-LED600-3CCT
EBL-LEDHF12	Hanging Fixture	EBL-LED12-3CCT
EBL-LEDSPI6	Spring Buckle	EBL-LED600-3CCT
EBL-LEDSPI12	Spring Buckle	EBL-LED12-3CCT

Complies to SANS 60598-1 & 60598-2-2

NRCS APPROVED

LUCENT

LED TUBES & FITTINGS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING

Perfect For:

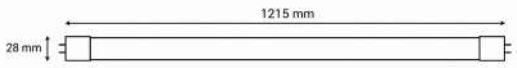
Commercial & Residential Applications

LUCENT

LED TUBES & FITTINGS

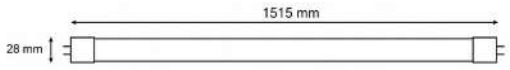


LED4FT20W-CW / LED4FT20W-WW
4 FOOT T8 GLASS TUBE





LED5FT20W-CW / LED5FT20W-WW
5 FOOT T8 GLASS TUBE



WARRANTY 2 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS

IP20

NOTE: GLASS TUBES CANNOT BE USED IN IP65 FITTINGS. ONLY TO BE USED IN OPEN CHANNEL FITTINGS.

Product Code	Wattage	Voltage	Material	Lumens/ Watt	Colour Temp	Length	IP Rating
LED4FT20W-CW	20W	180-265 VAC	T8 Glass Tube	80lm/Watt	6000K - Cool White	4ft	IP20
LED4FT20W-WW	20W	180-265 VAC	T8 Glass Tube	80lm/Watt	2800K - Warm White	4ft	IP20
LED5FT20W-CW	20W	180-265 VAC	T8 Glass Tube	80lm/Watt	6000K - Cool White	5ft	IP20
LED5FT20W-WW	20W	180-265 VAC	T8 Glass Tube	80lm/Watt	2800K - Warm White	5ft	IP20



OL-2F-LED, OL-4F-LED & OL-5F-LED
WEATHERPROOF TUBE FITTINGS

*FOR SINGLE SIDED TUBES ONLY



OL-2S-D, OL-4S-D & OL-5S-D
INDOOR TUBE FITTINGS ONLY

*FOR SINGLE SIDED TUBES ONLY

Product Code	Tube Type	IP Rating	Tube Capacity	Compatible Tube Length
OL-2F-LED	Single	IP65	2	2ft
OL-4F-LED	Single	IP65	2	4ft
OL-5F-LED	Single	IP65	2	5ft
OL-2S-D	Single	IP20	2	2ft
OL-4S-D	Single	IP20	2	4ft
OL-5S-D	Single	IP20	2	5ft

Complies to SANS 60598-2-1

NRCS APPROVED

BRILLANTE & DYNAMO

COMPLETE WEATHERPROOF 3CCT FITTINGS



- EXCELLENT CRI
- ANTI-GLARE DIFFUSER
- ENERGY EFFICIENT
- ULTRA SLIM EASY FIT
- LONG LASTING
- IP65 WATER/DUST RESISTANT

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

Residential Areas | Offices | Commercial Spaces

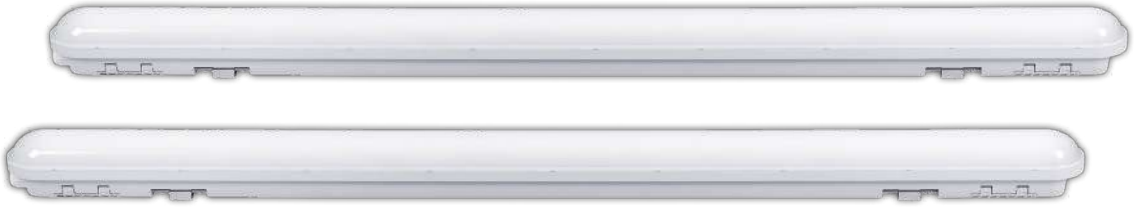
BRILLANTE

COMPLETE WEATHERPROOF 3CCT FITTINGS

NEW RANGE!

5 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS



08 IK RATING

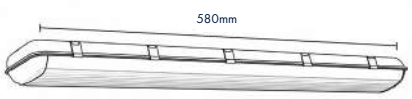
Selectable CCT

TOGGLE 3CCT | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

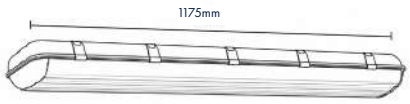
IP65

DIMENSIONS

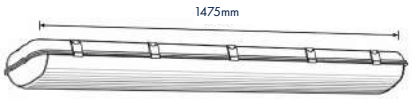
2FT



4FT



5FT



Product Code	Wattage	Voltage	Beam Angle	Lumens/ Watt	Colour Temp	IP Rating	Number of Linkable Pieces
3CCT-OL-2F-LED-C	20W	220 - 240 VAC	90°	130lm/Watt	3CCT	IP65	12
3CCT-OL-4F-LED-C	40W	220 - 240 VAC	90°	130lm/Watt	3CCT	IP65	12
3CCT-OL-5F-LED-C	50W	220 - 240 VAC	90°	130lm/Watt	3CCT	IP65	10

Complies to SANS 60598-1 & 60598-2-1

NRCS APPROVED

DYNAMO

COMPLETE 3CCT BATTEN FITTINGS

NEW RANGE!

2 YEAR WARRANTY



SUITABLE FOR COASTAL REGIONS

IP65

TOGGLE 3CCT

WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

TOGGLE 3CCT Selectable CCT

DIMENSIONS

20W



40W



72W



48W



Product Code	Wattage	Voltage	Beam Angle	IP Rating	Lumens/ Watt	Colour Temp	Housing Colour	Length
3CCT-BAT-2S-20W-W	20W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	White	60cm
3CCT-BAT-2S-20W-B	20W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	Black	60cm
3CCT-BAT-4S-40W-W	40W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	White	120cm
3CCT-BAT-4S-40W-B	40W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	Black	120cm
3CCT-BAT-4S-72W-W	72W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	White	120cm
3CCT-BAT-4S-72W-B	72W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	Black	120cm
3CCT-BAT-5S-48W-W	48W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	White	150cm
3CCT-BAT-5S-48W-B	48W	200 - 240 VAC	90°	IP20	105lm/Watt	3CCT	Black	150cm

Complies to SANS 60598-1 & 60598-2-1

NRCS APPROVED

HELIOS & LUCIAN

COMPLETE 3CCT LINEAR LIGHTS



EXCELLENT CRI

ANTI-GLARE DIFFUSER

ENERGY EFFICIENT

ULTRA SLIM EASY FIT

LONG LASTING

TOGGLE 3CCT

WARM WHITE	NATURAL WHITE	COOL WHITE
3000K	4000K	6500K

Perfect For:

Residential Areas | Offices | Commercial Spaces

HELIOS

COMPLETE 3CCT LINEAR LIGHTS

3CCT-OL-LIN

NEW RANGE!



2 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS

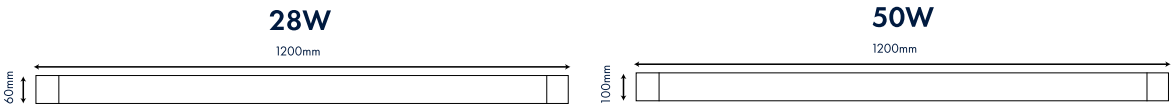
IP20

TOGGLE 3CCT Selectable CCT

TOGGLE 3CCT | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

1kV SURGE PROTECTION

DIMENSIONS



Product Code	Wattage	Voltage	Beam Angle	Lumens/ Watt	IP	Number of Linkable Pieces	Power Factor	Colour
3CCT-OL-LIN-28-B	28W	200 - 240 VAC	120°	100lm/Watt	IP20	10	0.9	Black
3CCT-OL-LIN-28-W	28W	200 - 240 VAC	120°	100lm/Watt	IP20	10	0.9	White
3CCT-OL-LIN-50-B	50W	200 - 240 VAC	120°	100lm/Watt	IP20	10	0.9	Black
3CCT-OL-LIN-50-W	50W	200 - 240 VAC	120°	100lm/Watt	IP20	10	0.9	White

Complies to SANS 60598-1 & 60598-2-1

NRCS APPROVED

LUCIAN

COMPLETE 3CCT LINEAR LIGHTS

3CCT-OL-LIN

NEW RANGE!

2 YEAR WARRANTY

SUITABLE FOR COASTAL REGIONS



IP20

TOGGLE 3CCT Selectable CCT

TOGGLE 3CCT | WARM WHITE 3000K | NATURAL WHITE 4000K | COOL WHITE 6500K

1kV SURGE PROTECTION

DIMENSIONS

60W



Product Code	Wattage	Voltage	Beam Angle	Lumens/ Watt	IP Rating	Power Factor	Colour
3CCT-OL-LIN-60-B	60W	200 - 240 VAC	120°	100lm/Watt	IP20	0.9	Black
3CCT-OL-LIN-60-W	60W	200 - 240 VAC	120°	100lm/Watt	IP20	0.9	White

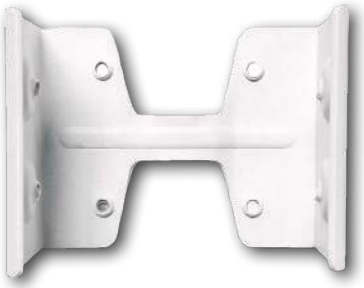
Complies to SANS 60598-1 & 60598-2-1

NRCS APPROVED

HELIOS & LUCIAN ACCESSORIES

LINEAR LIGHT ACCESSORIES

NEW RANGE!



OL-LIN-CON-60
OL-LIN-CON-100
HELIOS LINEAR LIGHT CONNECTOR - UP TO 10 UNITS



OL-LIN-LIFT-20
OL-LIN-LIFT-30
HELIOS & LUCIAN LIFTING INSTALLATION BRACKET



OL-LIN-HANG
HELIOS & LUCIAN HANGING FITTINGS

Product Code	Compatible Helios/ Lucian Product Codes
OL-LIN-CON-60	3CCT-OL-LIN-28-W & 3CCT-OL-LIN-28-B
OL-LIN-CON-100	3CCT-OL-LIN-50-W & 3CCT-OL-LIN-50-B
OL-LIN-LIFT-20	3CCT-OL-LIN-28-W & 3CCT-OL-LIN-28-B & 3CCT-OL-LIN-50-W & 3CCT-OL-LIN-50-B
OL-LIN-LIFT-30	3CCT-OL-LIN-60-W & 3CCT-OL-LIN-60-B
OL-LIN-HANG	3CCT-OL-LIN-28-W & 3CCT-OL-LIN-28-B & 3CCT-OL-LIN-50-W & 3CCT-OL-LIN-50-B & 3CCT-OL-LIN-60-W & 3CCT-OL-LIN-60-B



ARIOSA, ELICA & VIREON

CEILING FANS



Perfect For:

Residential Areas | Offices | Commercial Spaces

ARIOSA

CEILING FANS

NEW RANGE!

2 YEAR WARRANTY

SUMMER & WINTER APPLICATION



OLF-147BL

3 Blade Ceiling Fan,
Black Motor,
Black ABS Blades,
Blade Size: 1420mm,
35W 3 Speed Silent DC Motor.

*NB 3 forward settings for cooling in summer & 3 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts

ELICA

CEILING FANS



OLF-193BW

- 3 Blade Ceiling Fan,
- Sand Nickel Motor,
- Mahogany Blades,
- Blade Size: 1320mm,
- 70W 3 Speed Silent 200-240 VAC Motor.
- Air Flow:180m^3/min

VIREON

CEILING FANS



OLF-ECO56



3 Blade Ceiling Fan,
White Motor,
56" white Cast Iron Blades,
Blade Size: 1320mm,
65W 5 speed silent AC Copper motor
220 VAC Motor
Includes surface mount rotary switch
Air Flow:205m^3/min



OLF-ECO56-B



3 Blade Ceiling Fan,
Black Motor,
56" black Cast Iron Blades,
Blade Size: 1320mm,
65W 5 speed silent AC Copper motor
220 VAC Motor
Includes surface mount rotary switch
Air Flow:205m^3/min

*Spare Remote available, refer to page 348.

Complies to SANS 60335-2-80

NRCS APPROVED

AQUILA, VENTARO & TROPICAL PALM

CEILING FANS



Perfect For:

Residential Areas | Offices | Commercial Spaces

AQUILA
CEILING FANS

TOGGLE 3CCT selectable CCT

NEW RANGE!

2 YEAR WARRANTY

SUMMER & WINTER APPLICATION

RETRACTABLE BLADES



OLF-3CCT-THR-B

- 4 Blade dimmable halo ceiling fan,
- Black Motor,
- Retractable Transparent PC Blades,
- Blade Size: 42",
- 35W 6 Speed Silent DC Motor,
- 165-300 VAC, 60W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-THR-W

- 4 Blade dimmable halo ceiling fan,
- White Motor,
- Retractable Transparent PC Blades,
- Blade Size: 42",
- 35W 6 Speed Silent DC Motor,
- 165-300 VAC, 60W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts

VENTARO
CEILING FANS

SUMMER & WINTER APPLICATION



OLF-902-WB

- 3 Blade Ceiling Fan,
- Black Motor,
- Light Wood Grain Blades,
- Blade Size: 60",
- 165-300VAC
- 35W 6 Speed Silent DC Motor.
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts

TROPICAL PALM
CEILING FANS

SUMMER & WINTER APPLICATION



OLF-TB-5206-W

- 5 Tropical Leaf Blade Ceiling Fan,
- Black Motor,
- ABS Blades,
- Blade Size: 52",
- 165-300VAC
- 35W 6 Speed Silent DC Motor.
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts

*Spare Remote available, refer to page 348.

Complies to SANS 60335-2-80 & 60335-1

NRCS APPROVED

AURA

3CCT DIMMABLE CEILING FANS



Perfect For:

Residential Areas | Offices | Commercial Spaces

AURA

3CCT DIMMABLE CEILING FANS

TOGGLE 3CCT selectable CCT

1.5kV SURGE PROTECTION

WARRANTY 2 YEAR WARRANTY

NEW RANGE!

RETRACTABLE BLADES

SUMMER & WINTER APPLICATION



OLF-3CCT-SRDIM-MBL

- 4 Blade Dimmable Halo Ceiling Fan,
- Midnight Black Lamp Shade & Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-SRDIM-BR

- 4 Blade Dimmable Halo Ceiling Fan,
- Bronze Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-SRDIM-CH

- 4 Blade Dimmable Halo Ceiling Fan,
- Champagne Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-SRDIM-MG

- 4 Blade Dimmable Halo Ceiling Fan,
- Magnesium Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts

*Spare Remote available, refer to page 348.

Complies to SANS 60335-2-80 & 60335-1

NRCS APPROVED

CYCLA

3CCT DIMMABLE CEILING FANS



Perfect For:

Residential Areas | Offices | Commercial Spaces

CYCLA

3CCT DIMMABLE CEILING FANS

NEW RANGE!

TOGGLE 3CCT selectable CCT

1.5kV SURGE PROTECTION

2 YEAR WARRANTY

SUMMER & WINTER APPLICATION

RETRACTABLE BLADES



OLF-3CCT-RDIM-MBL

- 4 Blade Dimmable Ceiling Fan,
- Midnight Black Lamp Shade & Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-RDIM-W

- 4 Blade Dimmable Ceiling Fan,
- White Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-RDIM-BZ

- 4 Blade Dimmable Ceiling Fan,
- Bronze Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-RDIM-MG

- 4 Blade Dimmable Ceiling Fan,
- Magnesium Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts



OLF-3CCT-RDIM-CH

- 4 Blade Dimmable Ceiling Fan,
- Champagne Lamp Shade & White Motor,
- Retractable Transparent ABS Blades,
- Blade Size: 42",
- 36W 6 Speed Silent DC Motor,
- 175-300 VAC, 36W LED Light,
- 3CCT 3000K/4000K/6500K
- Lumens 100lm/Watt
- Remote Included

*NB 6 forward settings for cooling in summer & 1 reverse settings to help cut heating costs in winter by circulating warm air without causing draughts

*Spare Remote available, refer to page 348.

CEILING FAN ACCESSORIES



Perfect For:

Residential Areas | Offices | Commercial Spaces

CEILING FAN ACCESSORIES

*NB - Images of remotes may vary slightly from product



Scan for remote programming video

OLF-RMT

Spare Remote for:
OLF-3CCT-B
OLF-3CCT-W



Scan for remote programming video

OLF-RMT-300

Spare Remote for:
OLF-902-WB
OLF-TB-5206-W



Scan for remote programming video

OLF-REMDC

Spare Remote for:
OLF-147BL



Scan for remote programming video

OLF-3CCT-RMT

Spare Remote for:
OLF-3CCT-THR
OLF-3CCT-RDIM
OLF-3CCT-SRDIM



Scan for remote programming video

OLF-REM

Spare Remote for:
OLF-193BW



OLF-ECO-CTL

Spare 5 Speed Surface Mount Rotary Controller for:
OLF-ECO FANS

AVENZA

FLOOR & PEDESTAL FANS



Perfect For:

Residential Areas | Offices | Commercial Spaces

AVENZA

FLOOR & PEDESTAL FANS



OLF-30C-FF

3 Blade Desk & Floor Fan,
Silver,
Aluminium Blades,
Fan Size: 12 Inches,
40W,
Speed: 1350 RPM,
Air-Flow: 45m³/min, 3 Speed,
220 VAC Motor,
55dB.



OLF-50C-FF

- 3 Blade Desk & Floor Fan,
- Silver,
- Aluminium Blades,
- Fan Size: 20 Inches,
- 110W,
- Speed: 1300 RPM,
- Air-Flow: 135m³/min, 3 Speed, 220 VAC Motor,
- 62dB.



OLF-50C-PF

- 2 Blade Pedestal Fan,
- Black,
- Aluminium Blades,
- Fan Size: 20 Inches,
- 120W,
- Speed: 1400 RPM, 180° Rotation, Air-Flow: 165m³/min, 3 Speed,
- 220 VAC Motor,
- 68dB.

*Wall mounting bracket to be purchased separately.



OLF-50C-PF-B

3 Piece Black Wall Mounting Bracket for **OLF-50C-PF**

Complies to SANS 60335-1 & 60335-2-80

NRCS APPROVED

FLAREON

EXTRACTOR FANS



Perfect For:

Residential Areas | Offices | Commercial Spaces

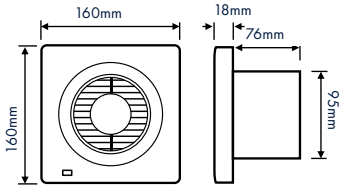
FLAREON

EXTRACTOR FANS

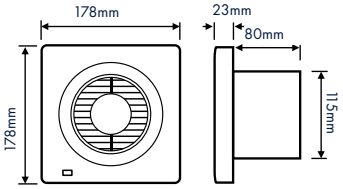


DIMENSIONS

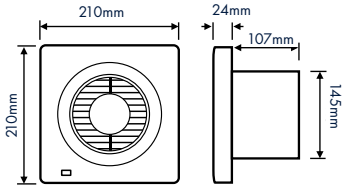
EFI-G4A-12W



EFI-G5A15W



EFI-G6-20W

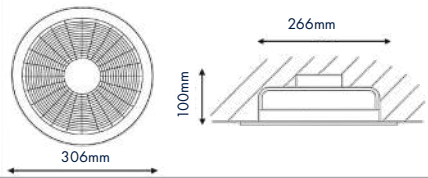


Product Code	Wattage	Voltage	Frequency	Speed (RPM)	Mount Type	Air Flow	Cut Out
EFI-G4A-12W	12W	220 - 240 VAC	50/60Hz	2300	Wall/Ceiling	80	100mm
EFI-G5A-15W	15W	220 - 240 VAC	50/60Hz	2000	Wall/Ceiling	150	120mm
EFI-G6A-20W	20W	220 - 240 VAC	50/60Hz	1800	Wall/Ceiling	250	150mm

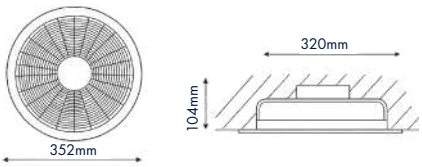


DIMENSIONS

EF-AR-28W



EF-AR-32W



Product Code	Wattage	Voltage	Frequency	Speed (RPM)	Mount Type	Air Flow	Cut Out
EF-AR-28W	28W	220 - 240 VAC	50/60Hz	1650	Ceiling	480	240mm
EF-AR-32W	32W	220 - 240 VAC	50/60Hz	1280	Ceiling	760	290mm

Complies to SANS 60335-2-80

NRCS APPROVED

RADIARA

LED STRIP LIGHTS



Perfect For:

Residential Areas | Offices | Commercial Spaces

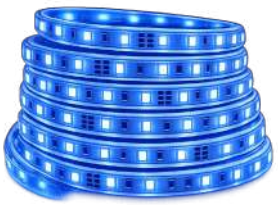
RADIARA

LED STRIP LIGHTS



OSL-6020

IP20,
5m,
Self Adhesive,
Complete with Power adapter.
Available in **Cool White, Warm White, Red, Green, Blue & Yellow**
Power: 4.5 Watt Per Meter
Lumens 450lm per meter
Voltage: 12VDC, 2A Power Supply



OSL-6065

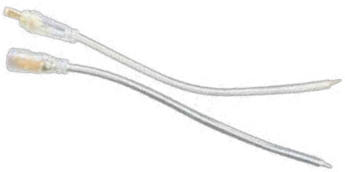
IP65,
5m,
Self Adhesive,
Complete with Power adapter.
Available in **Cool White, Warm White, Red, Green, Blue & Yellow**
Power: 4.5 Watt Per Meter
Lumens 320lm per meter
Voltage 12VDC, 2A Power Supply

STRIP CONNECTORS



OSL-CON

Strip connector for OSL-6020 Range



OSL-CON-IP65

Strip connector for OSL-6065 Range

POWER SUPPLIES



OSL-2A

12VDC 2A Power Supply (24W)
TO BE USED WITH **OSL-6020 & OSL-6065**



OL-5A

12VDC 5A Power Supply Adapter (60W)
TO BE USED WITH **OSL-6020 & OSL-6065**

Complies to SANS 60598-1 & 60598-2-1 61347-1 & 61347-2-13

NRCS APPROVED

NOVEA

LED FLEX LIGHTS



Perfect For:

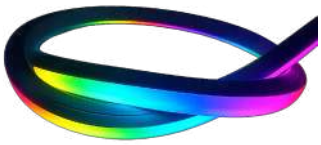
Residential Areas | Offices | Commercial Spaces

NOVEA

LED FLEX LIGHTS

OFLEX-CS-10M



16 FUNCTION LIGHTING MODES:

1. Red Static Colour
2. Green Static Colour
3. Blue Static Colour
4. Orange Static Colour
5. Purple Static Colour
6. Cyan Static Colour
7. White Static Colour
8. White Flashing Mode
9. Running Dual Light with Twinkle mode
10. RGB Transition
11. RGB Gradient
12. Seven Colour Transition1
13. Seven Colour Gradient
14. Three Colour Transition
15. Three Light Breathing Effect
16. Peacock Display Mode

2 YEAR WARRANTY

IP65

SUITABLE FOR COASTAL REGIONS

FLEXIBLE NEON DESIGN

ENERGY EFFICIENT

EASY INSTALLATION

REMOTE CONTROLLED

120° BEAM ANGLE



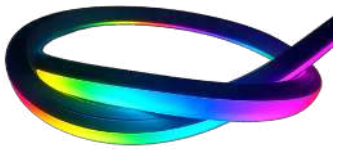
OFLEX-CW-10M

- 6500K Cool White,
- IP65,
- 10m,
- Complete with:
- 1 x Power Adapter
- 2 x End Caps
- 1 x Middle Joint Connector
- 5 x Aluminium Mounting Clips
- 220VAC
- Wattage: 7W per Meter
- Cut every 1 Meter
- Join up to 50m



OFLEX-WW-10M

- 2800K Warm White,
- IP65,
- 10m,
- Complete with:
- 1 x Power Adapter
- 2 x End Caps
- 1 x Middle Joint Connector
- 5 x Aluminium Mounting Clips
- 220VAC
- Wattage: 7W per Meter
- Cut every 1 Meter
- Join up to 50m



OFLEX-CS-10M

- Colour selectable
- IP65
- 10m
- Complete with:
- 1 x Power Supply
- 1 x Remote
- 2 x End Caps
- 1 x Middle Connector
- 5 x Aluminium Mounting Clips
- 220VAC
- Wattage: 7W per meter
- Cut every 1 Meter
- Join up to 50m

Complies to SANS 60598-1 & 60598-2-21

NRCS APPROVED

NOVEA

LED FLEX LIGHT - ACCESSORIES



OFLEX-PS

Spare Power Supply for:
OFLEX-CW & OFLEX-WW



OFLEX-PS-CS

Spare Power Supply & Remote for:
OFLEX-CS



OFLEX-MID

Spare Middle Joint Connectors for:
OFLEX-CW & OFLEX-WW



OFLEX-MID-CS

Spare Middle Joint Connectors for:
OFLEX-CS



OFLEX-END

Spare End Caps for:
OFLEX-CW & OFLEX-WW



OFLEX-END-CS

Spare End Caps for:
OFLEX-CS

Complies to SANS 61347-1& 61347-2-11

NRCS APPROVED

NOVEA

LED FLEX LIGHTS - ACCESSORIES



OFLEX-AMC

Spare Aluminium Mounting Clips for:
OFLEX-CW &
OFLEX-WW
Bag of 5



OFLEX-AMC-CS

Spare Aluminium Mounting Clips for:
OFLEX-CS
Bag of 5



OFLEX-FC

Spare Fixing Clips for:
OFLEX-CW &
OFLEX-WW
Bag of 5



OFLEX-FC-CS

Spare Fixing Clips for:
OFLEX-CW &
OFLEX-WW
Bag of 5



Complies to SANS 61347 & 61347-2-13

NRCS APPROVED

SORA

LED STRING LIGHTING



Perfect For:

Residential Areas | Mood Lighting

SORA

LED STRING LIGHTING



E27

1kV SURGE PROTECTION

OL-STR-15-21W

21W STRING LIGHT

21W
1,4W Per LED Bulb,
15 Super Bright LED Bulbs,
15 Meters, 220-240 VAC,
Straight Filament,
Warm White ±2700K
105lm/Watt per bulb
IP44,
Non Dimmable
Surge Protection: 1kV
Connect up to 35 sets

STR-S14P

1.4W SPARE GLASS BULB FOR STRING LIGHT

1,4W Spare Glass LED Bulb
Warm white +-2700K
100-240VAC
105lm/Watt per bulb

GLOWRA

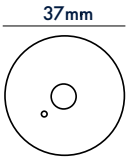
EMERGENCY BACK-UP LIGHTING



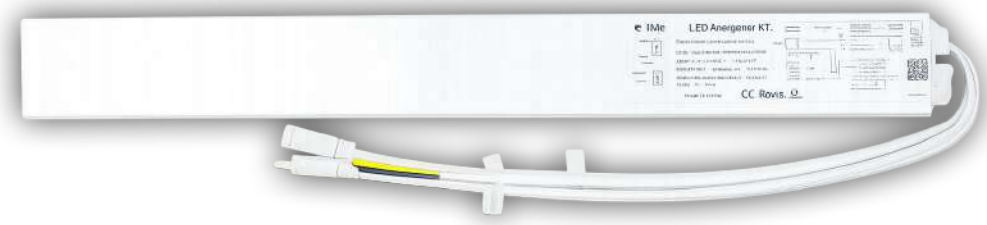
LEDEMER-3W

3W LED EMERGENCY LIGHT

220-240VAC,
Battery = Ni-Cd 3.6V 2200mAh,
Recharging Time: 24 Hours,
*3 Hour emergency battery backup.



Cut Out Size : 32mm



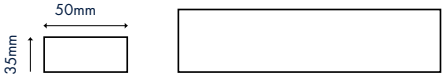
LED-BB10W

10W LED EMERGENCY BATTERY BACK UP KIT

- 48W Input Power,
- Battery = Ni-Cd 7.2V 4400mAh,
- Recharging Time = 24 Hours,
- 3 Hour emergency battery backup
- 10W max

Suitable For:

- **EBL-LED600-3CCT** x 1 per light &
- **EBL-LED12-3CCT** x 2 per light



*Refer to page 337 for Panel Lights.

Complies to SANS 1464-22 & 60598-1, VC8055 & 61347-2-7

NRCS APPROVED

OCCUPANCY SENSORS

PIR, MICROWAVE & OCCUPANCY SENSORS



Perfect For:

Residential Areas | Offices | Commercial Spaces

OCCUPANCY SENSORS

PIR, MICROWAVE & OCCUPANCY SENSORS

5 YEAR WARRANTY



OL700C & OL700C-BK

- Rated Load: 2000W (Incandescent) 1000W (CFL)
- 220 - 240 VAC
- 50/60Hz
- Ambient Light: <3-2000 LUX (Adjustable)
- Time Delay: Min 10s ± 3s; Max 12min ± 1min
- Detection Range: 360˚; 1-6m radius (Adjustable)
- Installation height: 2-6m
- Detection motion speed: 0.6 -1.5m/s
- IP20
- Black or White



OL05C & OL05C-BK

Rated Load: 2000W (incandescent) 1000W (CFL)
220 - 240 VAC
50/60Hz
Ambient Light: <3-2000 LUX (Adjustable)
Time Delay: Min 10s ± 3s; Max 15min ± 2min
Detection Range: 360˚; 8m radius
Installation height: 2.2 - 4m
Detection motion speed: 0.6 -1.5m/s
IP20
Black or White



OL06A & OL06A-BK PIR

Room occupancy sensor - 1 Sensor
Rated Load: 1200W (incandescent)
300W (CFL)
Rated Voltage 230 VAC
Detection Angle 360˚
Installation Height: 2.2 - 4m,
Detection Area Adj: 3 - 6m, Sensor: x 1PIR
Black or White
IP20



OL06B & OL06B-BK PIR

Room occupancy sensor - 3 Sensors
Rated Load: 1200W (incandescent)
300W (CFL)
Rated Voltage 230 VAC
Detection Angle 360˚
Installation Height: 2.2 - 4m
detection Area Adj: 3 -12m, Sensor: x 3 PIR
Black or White
IP20

Complies to SANS 60669-2-1

NRCS APPROVED

OCCUPANCY SENSORS

PIR, MICROWAVE & OCCUPANCY SENSORS



OL41 & OL41-BK

PIR

- Room occupancy sensor
- Rated Load: 1200W (incandescent)
- 600W (CFL)
- Rated Voltage 230 VAC
- Detection angle 360˚
- Installation Height: 1.8 - 4m
- detection area Adj: Max 8m
- Sensor x 1 PIR
- Black or White
- Cut Out Size : 62mm



OL357

Micro wave

- Room occupancy Micro sensitive sensor
- Rated Load: 1200W (incandescent)
- 300W (CFL)
- Rated Voltage 220-240 VAC
- Detection angle 360˚
- Installation Height: 1.5 - 3.5m
- Time delay: 10s ± 3s to 12min ± 1 min
- Detection area Adj: 1 - 8m, Sensor x 1
- White
- Cut Out Size : 62mm



Complies to SANS 60669-2-1

NRCS APPROVED

OCCUPANCY SENSORS

PIR, MICROWAVE & OCCUPANCY SENSORS





OL15 & OL15-BK

PIR

220 - 240 VAC
50Hz
Ambient Light: <3-2000 LUX (Adjustable)
Time Delay: Min 10s ± 3s Max 15min ± 2min
Detection Range: 180˚ & 12m max
Installation height: 1.8 - 2.5m
Detection motion speed: 0.6-1.5m/s
IP65
Black or White
Rated Load: 1200W (Incandescent) 600W (CFL)



OL84

Smoke detector and Alarm
IP20 9V/DC; Sound >85 db (3m);
Battery Operated - Battery supplied with unit



OL24

PIR

Occupancy sensor - Rated Load: 800W (incandescent) 400W (CFL) Rated Voltage 230 VAC, Detection angle 120˚(wall) 360˚ (ceiling), Time delay: 5s, 30s, 1, 3, 5, 8 min, Detection area Adj: Max 6m, Sensor x 1 PIR. Detection Area Adjustable 3m (wall) 6m (ceiling) Installation Height: 1.8-2.5m (wall) 2.2-4m (ceiling)



OL70EMS

Micro wave

Micro sensitive Sensor unit only - Rated load 1200W (incandescent) 300W (CFL), Rated Voltage: 230 VAC, Detection angle 180˚(wall) 360˚ (ceiling), Sensor x 1, Installation height: 1.5-3.5m (wall) 2-8m (ceiling), Detection Area Adjustable 5-15m (wall) 1-8m (ceiling). HF system: 5.8GHz CW radar ISM Band; Transmission Power:< 10mW. Can be retro fitted with existing fittings

Please note:

A PIR sensor detects heat changes. Heat sources include people, animals, air conditioning wind current and incandescent lamps. A passive infrared sensor detects heat only within its line of sight. At a short distance (within 3 m) the sensor can detect small motions such as hand movements. At 10-15 m the sensor will detect movement such as a person walking around.

Microwave sensors use ultra-high frequency radio waves (also known as microwaves) and the principle of the Doppler Effect to detect motion. The sensor sends out radio waves that bounce off nearby surfaces and return to the sensor. They can also be installed behind luminaries, plastic, or glass lenses or in a watertight non-metallic box or watertight luminaire for wet location application.

Complies to SANS 60669-2-1

NRCS APPROVED

DAY NIGHT SWITCHES



Perfect For:

Residential Areas | Offices | Commercial Spaces

DAY NIGHT SWITCHES





PCS10-AD

DC DAY-NIGHT SWITCH

- 10A Photocell Bracket Mount (Yellow Base), Rated Voltage 12-24 VDC, Rated Current: 10A, Ambient: < 5 - 50LUX, Photocell sensor x 1 with threaded PG13.5 Gland entry at bottom - Cable Gland included, Suitable for Solar & Direct Current Lighting (12-24VDC) applications
- Supplied with Gland
- IP44
- Please Note: This product is polarity sensitive. Do not reverse connect +/-



PCS10

10A DAY-NIGHT SWITCH

- 10A Photocell Bracket Mount (white Base), Rated Voltage
- 230 VAC Rated Current: 10A, Ambient: < 5 - 50LUX, Photocell sensor x 1 with threaded PG13.5 Gland
- entry at bottom.
- Supplied with Gland
- 220-240 VAC
- IP44



PCS25

25A DAY-NIGHT SWITCH

- 25A Photocell Bracket Mount (green Base), Rated Voltage 230VAC Rated Current: 25A, Ambient: < 5 - 50LUX, Photocell sensor x 1 with threaded PG13.5 Gland
- entry at bottom.
- Supplied with Gland
- IP44
- 220-240VAC



OL25D

DIN RAIL DAY-NIGHT SENSOR

- Energy saving Light-control Sensor (Photocell) that will save you money. It senses the natural ambient light and will turn lights ON or OFF as the conditions change (day time/night time). Ambient Light: 2-100 Lux (adj).
- Din Rail Mount 220 - 240 VAC, Rated Current 20A
- Sensor IP65

Complies to SANS 60669-2-1

NRCS APPROVED

DAY NIGHT SWITCHES



NE20

NE20 DAY-NIGHT SENSOR

- This product will turn the light on or off automatically according to the ambient light setting. It can be used for street lights, garden lights, etc. during the evening hours. 20A
- Base Sold Separately



NE20-B

BASE FOR NE20 DAY-NIGHT SENSOR



Complies to SANS 60669-2-1

NRCS APPROVED

DIMMERS



NF100T
5W-100W TRAILING EDGE DIMMER

- Rated load: 5W-100W, Rated Voltage 220-230VAC frequency: 50Hz, Dimming Mode: Trailing Edge,
- Control Mode: 1 Way, IP20, FOR LED LAMPS



NF150T
5W-100W TRAILING EDGE DIMMER

- Rated load: 5W-150W, Rated Voltage 220-230VAC frequency: 50Hz, Dimming Mode: Trailing Edge,
- Control Mode: 1 Way, IP20, FOR LED LAMPS



NF250T
5W-250W TRAILING EDGE DIMMER

- Rated load: 5W-250W, Rated Voltage 220-230VAC frequency: 50Hz, Dimming Mode: Trailing Edge,
- Control Mode: 1 Way, IP20,
- FOR LED LAMPS



NF250T2
5W-250W DIMMER + MINI-MAX DIMMING LEVEL + DIMMING SPEED + POWER & LIGHT MEMORY

- Rated load: 5W-250W, Rated Voltage 220-230VAC frequency: 50Hz, Dimming Mode: Trailing Edge,
- Control Mode: Multi Way, Min Brightness Level: Adjustable, IP20, FOR LED LAMPS

DIMMABLE LIGHT	MAX NO OF LIGHTS PER REGULATOR			
	NF100T	NF150T	NF250T	NF250T2
GU10DIM-5W-3CCT	1-19	1-29	1-49	1-49
GU10DIM-7W-3CCT	1-14	1-21	1-35	1-35
GU10DIM-9W-3CCT	1-11	1-16	1-27	1-27
3CCT-OL-CY03	2-30	2-45	2-75	2-75
3CCT-OL-CY06	1-15	1-22	1-37	1-37
3CCT-OL-CY12	1-7	1-11	1-18	1-18
3CCT-OL-CY18	1-5	1-7	1-12	1-12
3CCT-OL-CY24	1-3	1-5	1-9	1-9

*To be used in conjunction with 3CCT GU10 range on page 318 & 3CCT Cyclo range on page 358

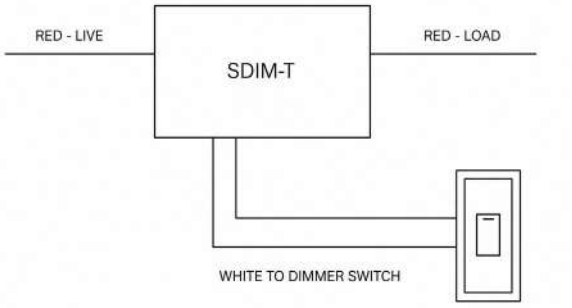
Complies to SANS 60669-2-1

NRCS APPROVED

DIMMERS & VOLTAGE STABILISER







Product Code	Description
SDIM-T-LED-125W	125W MINI LED TRAILING EDGE DIMMER IP20 230VAC
SDIM-T-LED-500W	500W LED TRAILING EDGE DIMMER IP20 230VAC
SDIM-T-LED-800W	800W LED TRAILING EDGE DIMMER IP20 230VAC

DIMMER REGULATORS FOR CYCLO RANGE & 6W DIMMABLE GU10

Product Code	Description	125W	500W	800W
GU10DIM	INTERNAL	1-3	1-10	1-18
OL-CY03	OL-3DD	1-19	1-71	1-126
OL-CY06	OL-6DD	1-10	1-37	1-66
OL-CY12	OL-12DD	1-9	1-34	1-60
OL-CY18	OL-18DD	1-5	1-20	1-35



SDIM-LED-96W-DC

DC DIMMER

96W 12/24/48 VDC DIMMER IP20, FOR USE WITH OSL-6020 & OSL-6065 STRIP LIGHTS



VS

VOLTAGE STABILISER FOR LED

Complies to SANS 60669-2-1

NRCS APPROVED

DRIVERS

DIMMABLE & NON-DIMMABLE



SPARE NON-DIMMABLE PLUG & PLAY DRIVERS

- OL-PP03-D 3W SPARE DRIVER WITH PLUG & PLAY CONNECTOR
- OL-PP06-D 6W SPARE DRIVER WITH PLUG & PLAY CONNECTOR
- OL-PP12-D 12W SPARE DRIVER WITH PLUG & PLAY CONNECTOR
- OL-PP18-D 18W SPARE DRIVER WITH PLUG & PLAY CONNECTOR
- OL-PP24-D 24W SPARE DRIVER WITH PLUG & PLAY CONNECTOR



SPARE DIMMABLE DRIVERS

- OL-3DD 3W SPARE DIMMABLE DRIVER
- OL-6DD 6W SPARE DIMMABLE DRIVER
- OL-12DD 12W SPARE DIMMABLE DRIVER
- OL-18DD 18W SPARE DIMMABLE DRIVER



SPARE DIMMABLE DRIVERS - 3CCT CYCLO

- OL-CY03-DD 3CCT 3W SPARE DIMMABLE DRIVER
- OL-CY06-DD 3CCT 6W SPARE DIMMABLE DRIVER
- OL-CY12-DD 3CCT 12W SPARE DIMMABLE DRIVER
- OL-CY18-DD 3CCT 18W SPARE DIMMABLE DRIVER
- OL-CY24-DD 3CCT 24W SPARE DIMMABLE DRIVER

SPARE DRIVERS FOR 3CCT EBL PANEL LIGHTS

EBL-LED600-D SPARE DRIVER FOR EBL-LED600-3CCT

EBL-LED1.2-D SPARE DRIVER FOR EBL-LED12-3CCT

*2 Drivers required for EBL-LED12-3CCT



Complies to SANS 61347-2-13, 60598-2-2 & 61347-1

NRCS APPROVED

DEFENDA
PROTECTING YOU.

SMART SECURITY

PROTECT WHAT MATTERS MOST

AI MOTION DETECTION
Human Recognition

NIGHT VISION
See Clearly in the Dark

INSTANT ALERTS
Real-Time Notifications

360° VIEW
Complete Coverage



SMART WIFI SECURITY CAMERAS & POWER SUPPLY

NEW RANGE!

SMART WIFI PTZ FLOODLIGHT CAMERA

DF-4MP-FPT-TY



4MP HD Camera
Auto Tracking, Motion Detection, Motion Alarm
Tuya smart app available for IOS & Android (Supports online viewing on mobile devices)
TF Card Storage (128GB max) For Recording
Day/Night 24 Hours
Rotation Angle: Pan - 330°, Tilt - 60°
Remote Playback (When TF Card Is Inserted)
12VDC Power Supply
IP66
Cloud Service Is Not Locally Supplied & Involves A Paid Subscription
12VDC Power Supply – Sold Separately – refer to PS2

SMART WIFI PTZ CAMERA

DF-4MP-PT-IC



- 4MP HD Camera
- Auto Tracking, Motion Detection, Motion Alarm
- iCSee smart app available for IOS & Android (Supports online viewing on mobile devices)
- TF Card Storage (128GB max) For Recording
- Day/Night 24 Hours
- Rotation Angle: Pan - 350°, Tilt - 90°
- Remote Playback (When TF Card Is Inserted)
- 12VDC Power Supply
- IP66
- Cloud Service Is Not Locally Supplied & Involves A Paid Subscription
- 12VDC Power Supply – Sold Separately – refer to PS2

SMART CAMERA POWER SUPPLY

PS2



- Input: 100V-240V 50/60Hz
- Output: 12VDC, 2A, 24W
- Output Adaptor Jack size : 5.5mm x 2.5 - 2.1mm
- Power Cable Length: 550mm
- Suitable for DF-4MP-FPT-TY & DF-4MP-PT-IC Cameras

*Refer to page 366 for TF Cards

HIGH SPEED TF CARDS

NEW RANGE!

HIGH SPEED TF CARD

TF-64



Micro SD
64 Gigabytes
Supports UHS-I, U3
Speed Class 10
Up to 79MB/s read speed
Suitable for DF-4MP-FPT-TY & DF-4MP-PT-IC Cameras

HIGH SPEED TF CARD

TF-128



- Micro SD
- 128 Gigabytes
- Supports UHS-I, U3
- Speed Class 10
- Up to 79MB/s read speed
- Suitable for DF-4MP-FPT-TY & DF-4MP-PT-IC Cameras



LIGHTING TECHNICAL INFORMATION

INSTALLATION NOTICE



- Installation Must Be Done By A Qualified Electrician
- Isolate Power Before Installation
- Follow SANS 10142 Wiring Regulations
- Use Correct IP Ratings For The Application
- Ensure Product Is used Within Specified Voltage Range

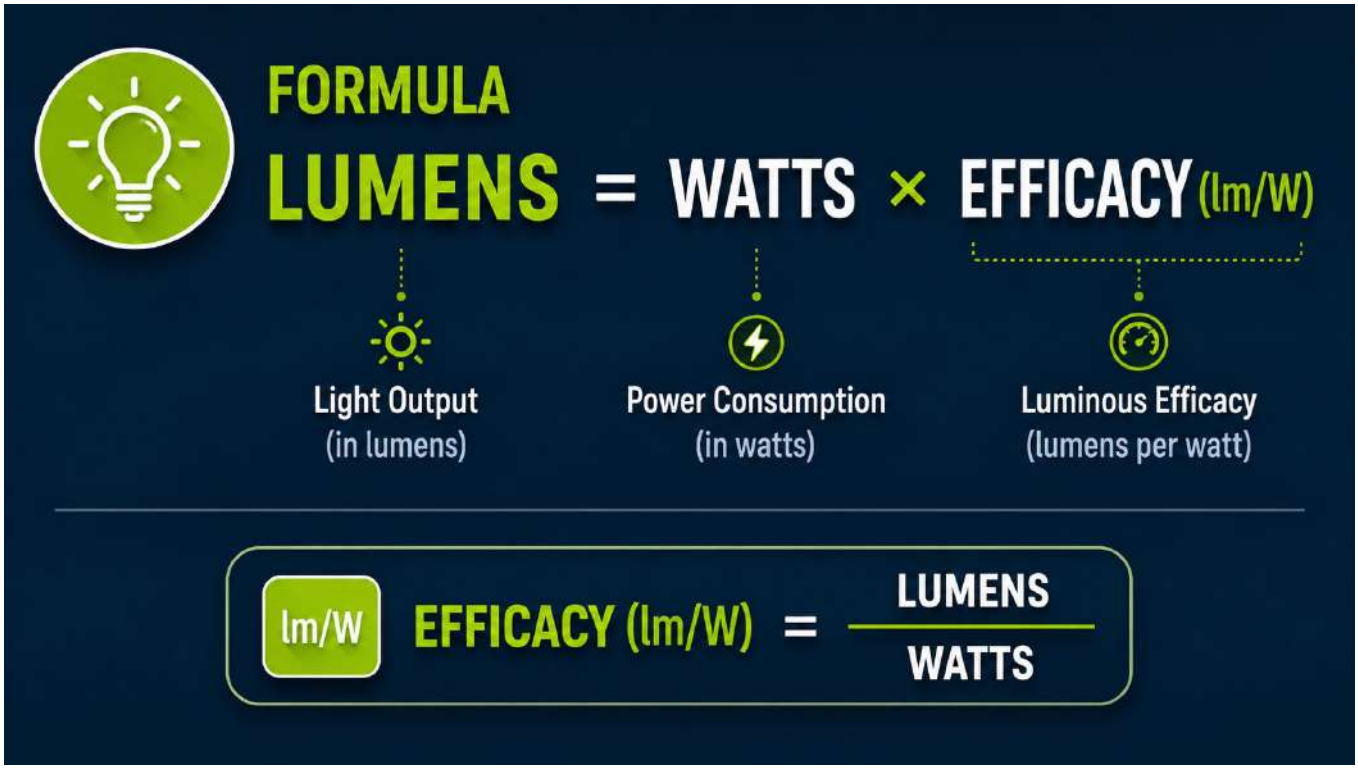
LIGHTING TERMINOLOGY

	Terms	Description
	LUMENS (LM)	Measures brightness of total light output
	WATTAGE (W)	Energy consumption of the fitting
	LUX (LX)	Light level on a surface, 1lux = 1 lumen per m^2
	CRI	Colour rendering index (0-100) shows colour accuracy
	BEAM ANGLE	Spread of light from the fitting
	VOLTAGE (V)	Electrical supply requirement
	FREQUENCY (HZ)	Number of cycles per seconds
	POWER FACTOR (PF)	Efficiency of power utilation
	SURGE PROTECTION	Protects against voltage, spikes and surges
	DIMMABLE	Allow brightness adjustment
	NON-DIMMABLE	Brightness not adjustable

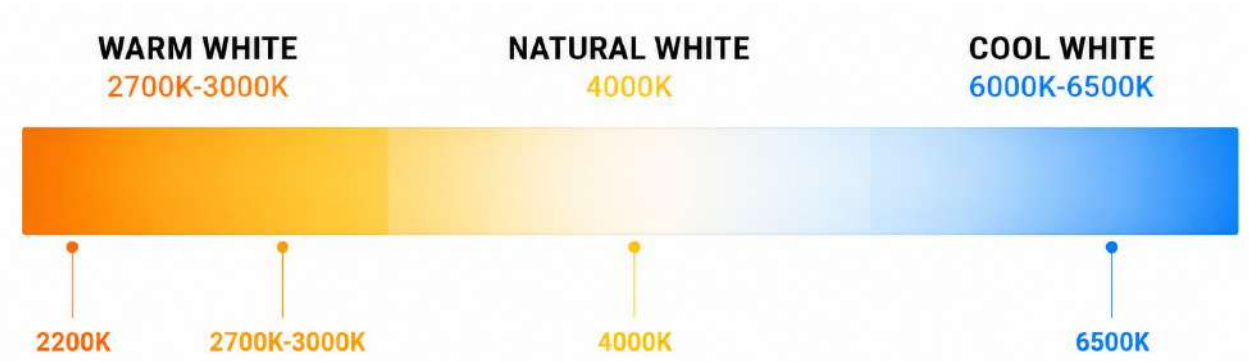
LIGHTING TECHNICAL INFORMATION

FORMULA

Always compare lumens, not watts when choosing the right light.
MORE LUMENS. LESS WATTS. GREAT SAVINGS



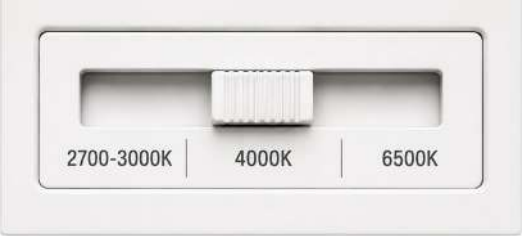
COLOUR TEMPERATURE GUIDE



- Bedrooms
- Hotels
- Restaurants
- Offices
- Retail Stores
- Kitchens
- Workshops
- Warehouses
- Security Lighting

LIGHTING TECHNICAL INFORMATION

3CCT TECHNOLOGY



- 3000K/4000K/6500K Selectable
- Built in colour selectable switch
- Flexibility before installation
- Reduces stock holding



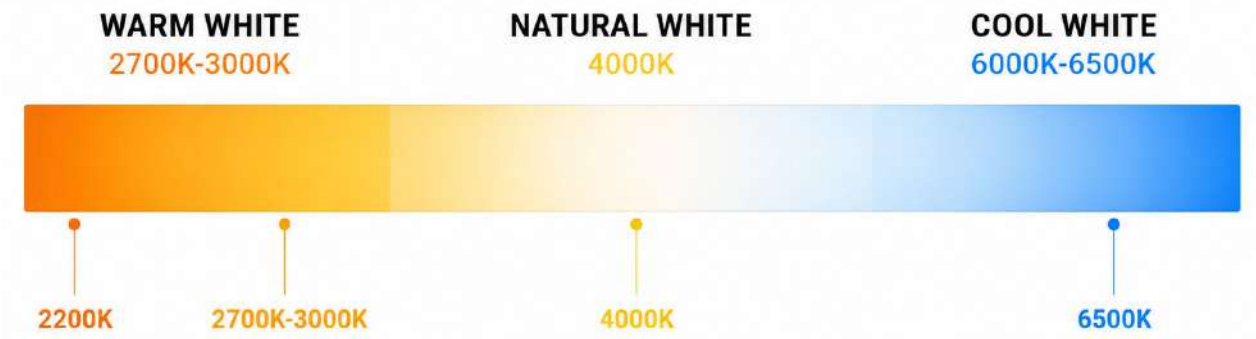


TOGGLE 3CCT
selectable CCT

4CCT TECHNOLOGY



- 2200K /3000K/6500K Selectable
- Built in colour selectable switch
- Flexibility before installation
- Reduces stock holding





TOGGLE 4CCT
selectable CCT

LIGHTING TECHNICAL INFORMATION

IP RATING GUIDE



IK RATING GUIDE

IK RATING SHOW HOW WELL A FITTING CAN WITHSTAND MECHANICAL IMPACT



IK RATING	IMPACT ENERGY	EQUIVALENT IMPACT	APPLICATION
IK02	0.2 Joule	0.25 kg Dropped	Indoor use
IK04	0.5 Joule	0.25 kg Dropped	General use
IK06	1.0 Joule	0.25 kg Dropped	Commercial Areas
IK08	5.0 Joule	1.7 kg Dropped	Industrial Areas
IK10	20.0 Joule	5.0 Kg Dropped	Hight Impact Areas

LIGHTING TECHNICAL INFORMATION

SENSOR GUIDE

PIR SENSOR (Passive Infrared)		Microwave Sensor	
PIR 	Detects body heat movement **Applications** • Entrances • Garages • Security Lighting • Passageways	Micro wave 	Detects movement using high frequency radio waves **Applications** • Warehouses • Commercial Buildings • Parking Areas • Large open areas

FAN SELECTION GUIDE

WINTER MODE

Clockwise rotation circulates warm air around the room.



SUMMER MODE

Counterclockwise rotation creates a cooling breeze.



FAN FEATURES

- AC Motor Energy Efficient
- DC Motor Energy Efficient
- Remote Control
- Integrated LED Light
- 3CCT LED Light
- Reversible Operation
- Quiet Operation

ENERGY EFFICIENCY

ROOM SIZE	RECOMMENDED FAN DIAMETER
Small Room	36″
Medium Room	48″
Large Room	52″
Open Plan Areas	56″

LIGHTING TECHNICAL INFORMATION

CUT OUT SIZES FOR LED DOWN LIGHTS - CYCLOPS RANGE

OL-CY CYCLOPS RANGE		3CCT-OL-CY CYCLOPS RANGE	
MODEL	D MAX (mm)	MODEL	D MAX (mm)
3 Watt	75mm	3 Watt	75mm
6 Watt	105mm	6 Watt	105mm
12 Watt	155mm	12 Watt	155mm
18 Watt	210mm	18 Watt	205mm
24 Watt	-	24 Watt	280mm

CONTACT US

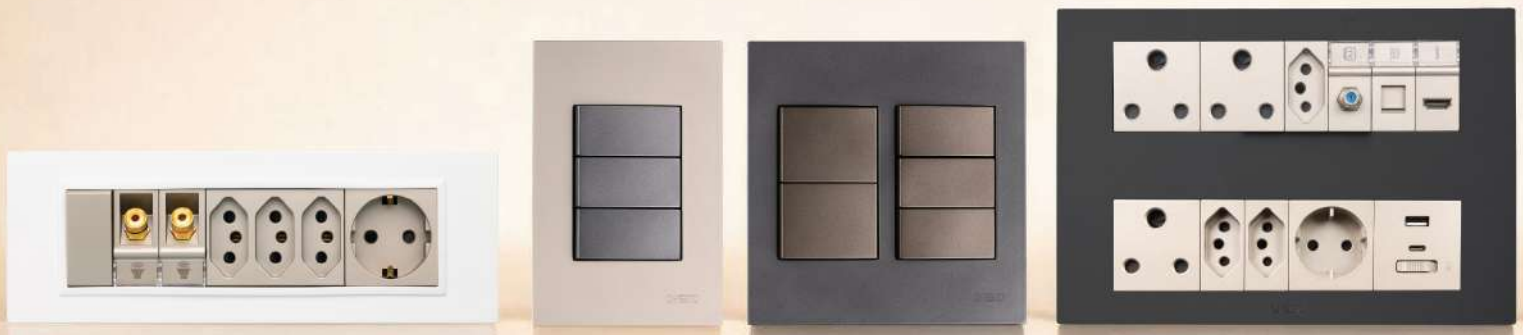
All technical data, dimensions, performance values and application guides in this catalogue are provided for reference purpose only. Actual products specifications may vary. Always verify suitability for the intended application and consult relevant standards and manufacturer documentation before installation.

For any Technical Drawings, data sheets or specifications scan the QR code to visit our website; www.mce.co.za, or send us an email at technical@mce.co.za

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