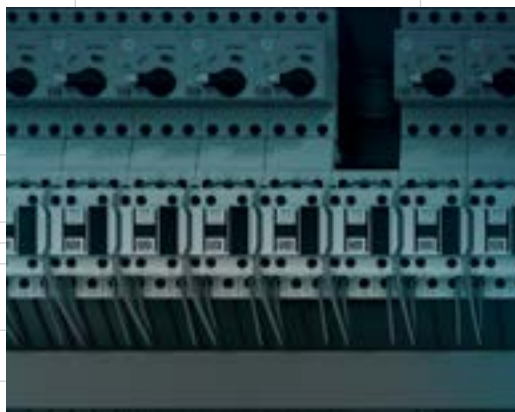
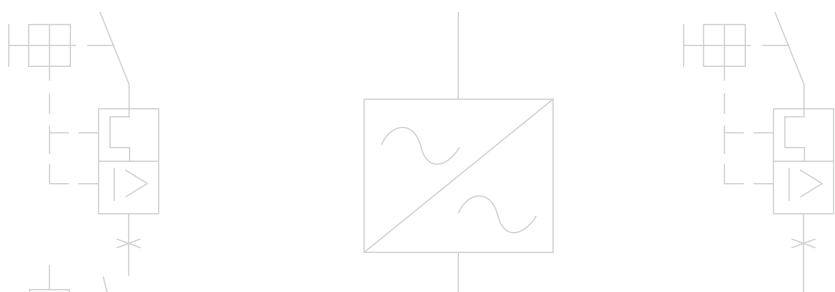


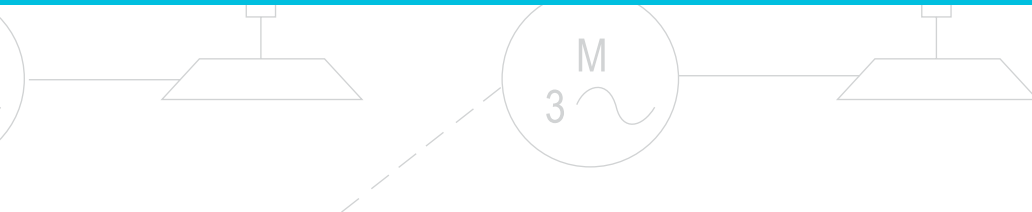
AUTOMATION

CONTROLS

PRICE LIST 2023



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AUTOMATION

PRICE LIST 2023 - CONTROLS

BOOK 1 - MOTOR STARTERS AND PROTECTION

1

BOOK 2 - PUSHBUTTONS AND PILOT LIGHTS

2

BOOK 3 - CIRCUIT PROTECTION

3

BOOK 4 - CAPACITORS

4

BOOK 5 - LIMIT SWITCHES AND POWER SUPPLIES

5

BOOK 6 - TERMINAL BLOCKS

6

BOOK 7 - FANOX ELECTRONIC MOTOR PROTECTION

7

TABLE OF CONTENTS

BOOK 1	
3-Pole Miniature Contactors	1-4
3-Pole Compact Contactors	1-4
3-Pole CWB Contactors	1-5
3-Pole CWM Contactors	1-6
Contactors for Capacitor Switching - CWBC	1-6
Accessories for Contactors	1-7
Spare Parts for Contactors	1-10
3-Pole Thermal Overload Relays for CW07/CWC0 Contactors	1-10
3-Pole Thermal Overload Relays for CWB Contactors	1-11
3-Pole - Solid State Overload Relay for CWB Contactors	1-11
3-Pole Thermal Overload Relays for CWM Contactors	1-12
3-Pole - Solid State Overload Relay for CWM Contactors	1-12
Motor Protective Circuit-Breaker MPW18 - Screw Type	1-12
Motor Protective Circuit-Breaker MPW40 - Screw Type	1-13
Motor Protective Circuit-Breaker MPW80	1-13
Motor Protective Circuit-Breaker MPW100	1-13
Accessories -MPW18, MPW40 and MPW80	1-14
Accessories - MPW100	1-16
Accessories - MPW80 and MPW100	1-16
Enclosed Direct-On-Line Starter - DLW (IP65/66 ³⁾ - 50 Hz)	1-17
Enclosed Direct-On-Line Starter - DLW (IP65/66 ²⁾)	1-17
Multifunction Electronic Timing Relays	1-18
Multifunction Three-Phase Monitoring Relays	1-18
Electronic Timing Relays (17.5 mm Wide)	1-19
Electronic Timing Relays (17.5 mm Wide) - Single Timing	1-19
Electronic Monitoring Relays (17.5 mm Wide)	1-20
Electronic Monitoring Relays	1-20
Electronic Level Control Relay - RNW	1-21
Smart Relay	1-22
Smart Relay - Accessories	1-22

BOOK 2	
Complete Sets - CSW Series ¹⁾	2-4
Complete Units	2-5
Pushbuttons - IP66	2-6
Emergency Stop Pushbutton	2-6
Illuminated Pushbuttons - IP66	2-6
Selector Switches	2-7
Blue Flange and Accessories	2-7
Control Stations PBW	2-8
PBW Line Accessories	2-8

BOOK 3	
Molded Case Circuit-Breakers - DWB Distribution - 3-Pole	3-4
Molded Case Circuit-Breakers - DWB Distribution and Generator Protection - 3-Pole	3-7
Molded Case Circuit-Breakers - DWA Distribution and Generator Protection - 3-Pole	3-7
Accessories for Molded Case Circuit-Breakers DWB	3-8
Accessories for Molded Case Circuit-Breakers DWA	3-9
Accessories for Molded Case Circuit-Breakers DWA & DWB	3-9
Molded Case Circuit Breaker - ACW + Accessories for Molded - ACW	3-12
Air Circuit Breaker - ABWC	3-15
Air Circuit Breaker Accessories - ABWC	3-16
Air Circuit Breaker - ABW	3-20
Air Circuit Breaker Accessories - ABW	3-21
Miniature Circuit-Breakers	3-24
Switches	3-32
MDA line	3-33
aR Fuse Type "NH" Blade Contact	3-34
gL/gG Fuse Type "NH" Blade Contact	3-35
aR Fuses Type "NH" Flush-End	3-36
Fuse Type "NH" Blade Contact and Accessories	3-36
Fuse-Switch-Disconnectors and Accessories - FSW	3-37
Panel Door Mounting Switch-Disconnectors and Accessories - MSW	3-37
Base Mounting Switch-Disconnectors and Accessories - MSW	3-38
PFW - Power Factor Controller	3-40
Accessories	3-40

BOOK 4	
Capacitors for Power Factor Correction	4-4
Accessories for Capacitors	4-5

BOOK 5	
Power Supplies	5-4

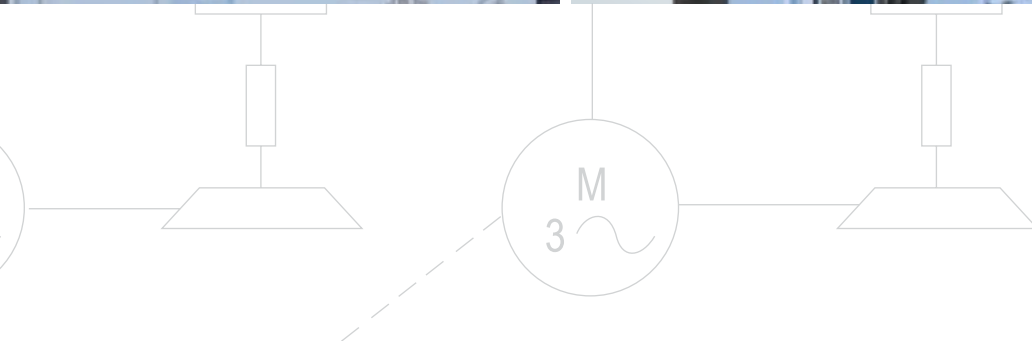
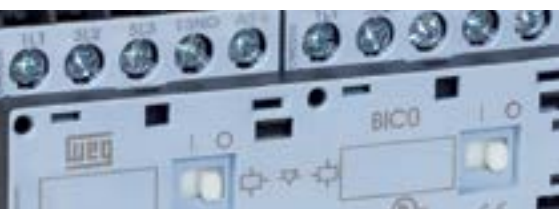
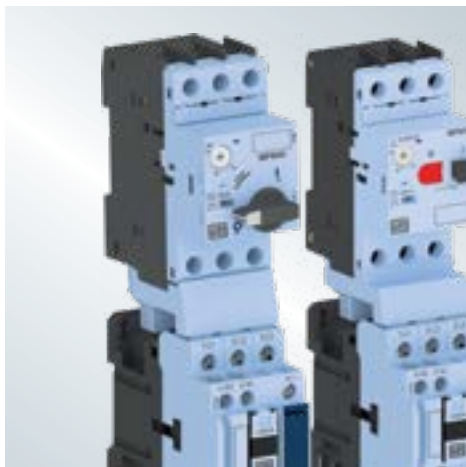
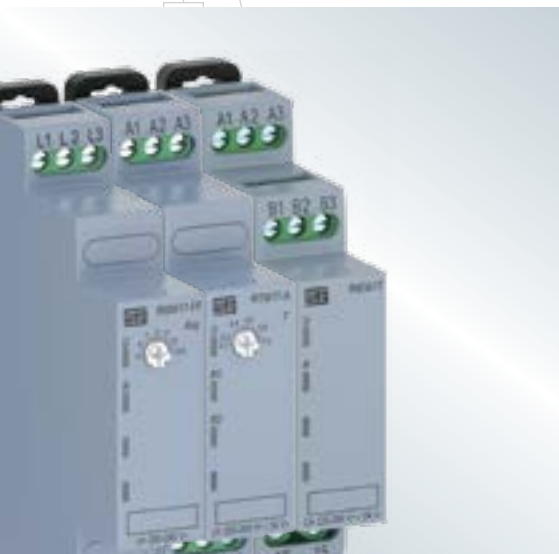
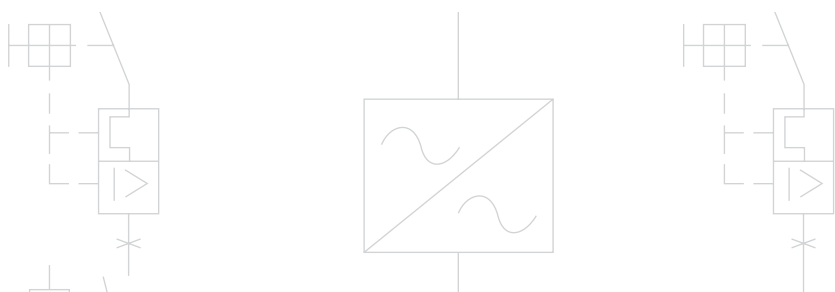
BOOK 6	
Screw Type Terminal Blocks - BTWP	6-4
Accessories for Screw Type Terminal Blocks	6-4
General Accessories for Terminal Blocks	6-4
Limit Switches	6-5

BOOK 7	
Fanox - Electronic Motor Protection	7-4
Fanox - Electronic Measurement & Control	7-6

Due to continuous product development, item product codes & descriptions may vary and must be confirmed when placing orders.

AUTOMATION

BOOK 1 - MOTOR STARTERS AND PROTECTION



SUMMARY

3-Pole Miniature Contactors.....	1-4
3-Pole Compact Contactors	1-4
3-Pole CWB Contactors.....	1-5
3-Pole CWM Contactors	1-6
Contactors for Capacitor Switching - CWBC	1-6
Accessories for Contactors.....	1-7
Spare Parts for Contactors	1-10
3-Pole Thermal Overload Relays for CW07/CWC0 Contactors.....	1-10
3-Pole Thermal Overload Relays for CWB Contactors	1-11
3-Pole - Solid State Overload Relay for CWB Contactors.....	1-11
3-Pole Thermal Overload Relays for CWM Contactors.....	1-12
3-Pole - Solid State Overload Relay for CWM Contactors.....	1-12
Motor Protective Circuit-Breaker MPW18 - Screw Type	1-12
Motor Protective Circuit-Breaker MPW40 - Screw Type	1-13
Motor Protective Circuit-Breaker MPW80.....	1-13
Motor Protective Circuit-Breaker MPW100.....	1-13
Accessories - MPW18, MPW40 and MPW80.....	1-14
Accessories - MPW100.....	1-16
Accessories - MPW80 and MPW100	1-16
Enclosed Direct-On-Line Starter - DLW (IP65/66 ³) - 50 Hz).....	1-17
Enclosed Direct-On-Line Starter - DLW (IP65/66 ²).....	1-17
Multifunction Electronic Timing Relays	1-18
Multifunction Three-Phase Monitoring Relays	1-18
Electronic Timing Relays (17.5 mm Wide).....	1-19
Electronic Timing Relays (17.5 mm Wide) - Single Timing	1-19
Electronic Monitoring Relays (17.5 mm Wide)	1-20
Electronic Monitoring Relays	1-20
Electronic Level Control Relay - RNW	1-21
Smart Relay	1-22
Smart Relay - Accessories.....	1-22



3-POLE MINIATURE CONTACTORS

MINIATURE CONTACTORS CW07 - 7 A - AC COIL - SCREW TYPE



TYPE	RATED POWER	RATED CURRENT		AUX. CONTACT	STOCK CODE		PRICE EACH (ZAR)
	AC-3 / 400 V (kW)	Ie AC-3	Ith AC-1		D24 (230 V)		
CW07-10-30 ▲	3	7	18	1NO	12896406		256,00

3-POLE COMPACT CONTACTORS

COMPACT CONTACTORS CWC0 - SCREW TYPE



COMPACT CONTACTORS CWC0 - 7 UP TO 22 A - AC COIL

TYPE	RATED POWER	RATED CURRENT		AUX. CONTACT	STOCK CODE			PRICE EACH (ZAR)
	AC-3 / 400 V (kW)	Ie AC-3	Ith AC-1		D13 (110 V)	D24 (230 V)	D34 (400 V)	
CWC07-10-30 ▲	3	7	18	1NO	12487364	12487288	12679737	320,00
CWC09-10-30 ▲	4	9	20	1NO	12487382	12487295	12679759	345,00
CWC012-10-30 ▲	5,5	12	22	1NO	12679731	12487234	12679761	355,00
CWC016-10-30 ▲	7,5	16	22	1NO	12679734	12487340	12679763	369,00
CWC025-00-30 ▲	11	22	32	-	12679736	12487342	12679765	466,00

COMPACT CONTACTORS CWC0 - 7 UP TO 16 A - DC COIL

TYPE	RATED POWER	RATED CURRENT		AUX. CONTACT	STOCK CODE	PRICE EACH (ZAR)
	AC-3 / 400 V (kW)	Ie AC-3	Ith AC-1		C03 (24 VDC)	
CWC07-10-30 ▲	3	7	18	1NO	12486689	400,00
CWC09-10-30 ▲	3,7	9	20	1NO	12486691	442,00
CWC012-10-30 ▲	5,5	12	22	1NO	12486694	444,00
CWC016-10-30 ▲	7,5	16	22	1NO	12486696	473,00

Note: ▲ - Smart code of the rated voltage.

3-POLE CWB CONTACTORS



CONTACTORS CWB - 9 UP TO 110 A - AC COIL

TYPE	RATED POWER	RATED CURRENT		AUX. CONTACT	STOCK CODE			PRICE EACH (ZAR)
	AC-3 / 400 V (kW)	Ie AC-3	Ith AC-1		D13 (110 V)	D24 (230 V)	D34 (400 V)	
CWB9-11-30 ▲	4	9	25	1NO + 1NC	12660801	12772076	12679490	394,00
CWB12-11-30 ▲	5,5	12	25	1NO + 1NC	12660804	12772148	12679492	415,00
CWB18-11-30 ▲	7,5	18	32	1NO + 1NC	12660807	12772150	12679493	444,00
CWB25-11-30 ▲	12,5	25	40	1NO + 1NC	12232934	12527889	12679494	608,00
CWB32-11-30 ▲	15	32	50	1NO + 1NC	12240798	12527893	12679495	839,00
CWB38-11-30 ▲	18,5	38	50	1NO + 1NC	12233028	12527895	12679496	975,00
CWB50-11-30 ▲	22	50	110	1NO + 1NC	13851365	13860289	13860347	1517,00
CWB65-11-30 ▲	30	65	110	1NO + 1NC	13851367	13860290	13860408	1734,00
CWB80-11-30 ▲	37	80	140	1NO + 1NC	13851448	13860291	13860409	1849,00
CWB95-11-30 ▲	45	95	150	1NO + 1NC	15177767	15309655	15309657	2603,00
CWB110-11-30 ▲	55	110	110	1NO + 1NC	15177838	15310390	15310402	2846,00

CONTACTORS CWB - 9 UP TO 80 A - DC COIL

TYPE	RATED POWER	RATED CURRENT		AUX. CONTACT	STOCK CODE	PRICE EACH (ZAR)
	AC-3 / 400 V (kW)	Ie AC-3	Ith AC-1		C03 (24 VDC)	
CWB9-11-30 ▲	3,7	9	25	1NO + 1NC	12542197	596,00
CWB12-11-30 ▲	5,5	12	25	1NO + 1NC	12542260	645,00
CWB18-11-30 ▲	7,5	18	32	1NO + 1NC	12542266	733,00
CWB25-11-30 ▲	12,5	25	40	1NO + 1NC	12240635	973,00
CWB32-11-30 ▲	15	32	50	1NO + 1NC	12240801	1342,00
CWB38-11-30 ▲	18,5	38	50	1NO + 1NC	12240668	1442,00
CWB50-11-30 ▲	22	50	90	1NO + 1NC	13539286	2351,00
CWB65-11-30 ▲	30	65	110	1NO + 1NC	13539299	2693,00
CWB80-11-30 ▲	37	80	110	1NO + 1NC	13428645	2958,00



CONTACTORS CWB - 95 UP TO 125 A - AC/DC COIL

TYPE	RATED POWER	RATED CURRENT		AUX. CONTACT	STOCK CODE		PRICE EACH (ZAR)
	AC-3 / 400 V (kW)	Ie AC-3	Ith AC-1		E04 (24-60 V AC / DC)	D24 (230 V)	
CWB95-11-30 ▲	45	95	140	1NO + 1NC	15477392		3653,00
CWB110-11-30 ▲	55	110	150	1NO + 1NC	15477393		4433,00
CWB125-11-30 ▲ ¹⁾	55	125	175	1NO + 1NC	15477390	14806036	4801,00

Note: Article numbers for other rated voltages and frequencies upon request.

▲ - Smart code of the rated voltage.

¹⁾ Only available with AC/DC coil / Solo disponible con bobina CA/CC.

3-POLE CWM CONTACTORS



CONTACTORS CWM (WITH ELECTRONIC AC/DC COIL) - 112 UP TO 800 A¹⁾ - SCREW TYPE

TYPE	I _e AC-3	RATED POWER	AUX. CONTACT	STOCK CODE		PRICE EACH (ZAR)
		AC-3 / 400 V (kW)		E10 (110-130 V)	E13 (208-250 V)	
CWM150-22-30 ▲	150	75	2NO + 2NC	10535741	10535746	7293,00
CWM180-22-30 ▲	180	90	2NO + 2NC	10535742	10535747	10769,00
CWM215-22-30 ▲	215	110	2NO + 2NC	15288707	15222397	11495,00
CWM250-22-30 ▲	250	132	2NO + 2NC	10535743	10535748	15397,00
CWM300-22-30 ▲	300	160	2NO + 2NC	10535744	10535749	17365,00
TYPE	I _e AC-3	RATED POWER	AUX. CONTACT	STOCK CODE		PRICE EACH (ZAR)
		AC-3 / 400 V (kW)		E65 (110-255 V)		
CWM450-22-30 ▲	450	260	2NO + 2NC	14266987		25977,00
CWM560-22-30 ▲	560	300	2NO + 2NC	10837670		30772,00

CONTACTORS FOR CAPACITOR SWITCHING - CWBC



CONTACTORS FOR CAPACITOR SWITCHING CWBC - AC COIL - SCREW TYPE

TYPE	RATED POWER (kVar)	STOCK CODE		PRICE EACH (ZAR)
	400 / 440V	D24 (230 V)	D34 (400 V)	
CWBC9-21-30 ▲	10 / 13	15519222	15519225	859,00
CWBC18-21-30 ▲	16 / 16	15519226	15519227	1105,00
CWBC25-21-30 ▲	20 / 23	15519408	15519409	1276,00
CWBC32-21-30 ▲	25 / 30	15519410	15519411	1771,00
CWBC50-21-30 ▲	40 / 45	15519412	15519414	2775,00
CWBC65-21-30 ▲	50 / 60	15519417	15519415	3303,00
CWBC95-21-30 ▲	68 / 78	16161663	16546508	3983,00

Note: 1) Contactor with electronic module works in alternating (50/60 Hz) and direct current.

▲ - Smart code of the rated voltage.

ACCESSORIES FOR CONTACTORS

ACCESSORIES FOR COMPACT CONTACTORS CWC0

AUXILIARY CONTACT BLOCK - SCREW TYPE

TYPE	MOUNTING	TO USE WITH	AUX. CONTACT	STOCK CODE	PRICE EACH (ZAR)
BFC0-11	Frontal	CWC0 3-Pole 2-Pole	1NO + 1NC	12499350	135,00
BFC0-22			2NO + 2NC	12499353	214,00
BFC025-22Z	Frontal	CWC025 3-Pole 2-Pole	2NO + 2NC	12499357	214,00

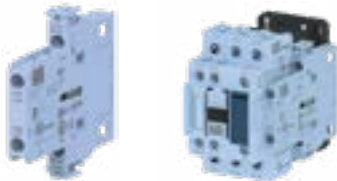
Note: 1) The auxiliary contact blocks with configurations "-13" or "-04" must be used only in compact contactors with AC coil or 0,75xUc DC coil.

AUXILIARY CONTACT BLOCKS - FRONTAL MOUNTING



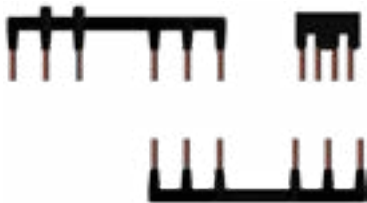
TYPE	MOUNTING	TO USE WITH	AUX. CONTACT	STOCK CODE	PRICE EACH (ZAR)
BFB-20	Frontal	CWB9...125 CWB00...3 CAWB	2NO	12122434	95,00
BFB-11			1NO + 1NC	12123053	92,00
BFB-02			2NC	12122946	95,00
BFB-40			4NO	12122947	189,00
BFB-22			2NO + 2NC	12123051	184,00
BFB-04			4NC	12123048	189,00
BFB-31			3NO + 1NC	12123049	189,00
BFB-13			1NO + 3NC	12123052	189,00

AUXILIARY CONTACT BLOCKS - SIDE MOUNTING



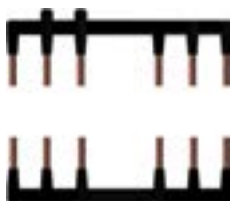
TYPE	MOUNTING	TO USE WITH	AUX. CONTACT	STOCK CODE	PRICE EACH (ZAR)
BLB-11	Side	CWB9...125 CWBS9...125 CWB00...3 CAWB / CAWBS CWM450/560	1NO + 1NC	12187899	130,00
BLB-20			2NO	12187334	130,00
BLB-02			2NC	12187898	130,00
BLRB-11			1NO + 1NC	12230321	146,00
BLRB-20			2NO	12230319	146,00
BLRB-02			2NC	12230320	146,00

BUSBARS STAR-DELTA STARTER / EC-SD - EASY CONNECTION¹⁾



TYPE	DESCRIPTION	COMPONENTS		STOCK CODE	PRICE EACH (ZAR)
		k1 = k2	k3		
EC-SD1	Star-delta starter busbar	CWB9...38 CWB00...1		12241230	501,00
EC-SD2		CWB40...80 CWBS40...80 CWBN2		13619635	571,00
EC-SD3		CWB95...125 CWBS95...125 CWBN3		15300079	629,00

BUSBARS REVERSING STARTER / EC-R - EASY CONNECTION¹⁾



TYPE	DESCRIPTION	COMPONENTS		STOCK CODE	PRICE EACH (ZAR)
		k1 = k2	BLIM		
EC-R1	Reversing starter busbar	CWB9...38 CWB00...1	IM1	12241229	374,00
EC-R2		CWB40...80 CWBS40...80 CWBN2	IM2	13619637	455,00
EC-R3		CWB95...125 CWBS95...125 CWBN3		15299958	493,00

Note: 1) Contactors and mechanical interlock kits must be bought separately.

ACCESSORIES FOR CONTACTORS

ACCESSORIES FOR COMPACT CONTACTORS CWC0



MECHANICAL INTERLOCK BLOCK

TYPE	TO USE WITH	MOUNTING	STOCK CODE	PRICE EACH (ZAR)
BIC0	CWC07-016	Front / Frontal	12499466	81,00

ACCESSORIES FOR CWB CONTACTORS



MECHANICAL INTERLOCK

TYPE	TO USE WITH	STOCK CODE	PRICE EACH (ZAR)
IM1	CWB9...38 / CWBS9...38 ¹⁾ / CWB00...1	12244300	53,00
IM2	CWB40...125 / CWBS40...80 / CWBN2..3	13765620	59,00

Notes: 1) For interlocking two contactors with AC coils or two contactors with DC coils. The interlocking of one contactor with AC coil with another with DC coil is not possible.
2) UL pending.

BUS BAR SYSTEM - EASY CONNECTION KIT

TYPE	TO USE WITH	STOCK CODE	PRICE EACH (ZAR)
ECC0-RNI	Reversing - power circuit	11788681	350,00
ECC0-SD	Star-delta power and control	10047151	400,00



ACCESSORIES FOR CONTACTORS

ACCESSORIES FOR CONTACTORS CWM



AUXILIARY CONTACT BLOCKS - SIDE MOUNTING

TYPE	CONTACTORS	AUX. CONTACT	STOCK CODE	PRICE EACH (ZAR)
BCXML 20	CWM 112...300	2NO	10045714	152,00
BCXML 11		1NO + 1NC	10459053	152,00
BCXMRL 20		2NO	10186060	172,00
BCXMRL 11		1NO + 1NC	10045715	172,00
BCXML11 CWM800	CWM400 / 500 / 630 / 800	1NO + 1NC	10186852	618,00
BCXMRL11 CWM800	CWM400 / 500 / 630 / 800	1NO + 1NC	10766850	618,00

Note: 1) em = early make contact.
2) lb = late break contact.



MECHANICAL INTERLOCK BLOCK

TYPE	CONTACTORS	STOCK CODE	PRICE EACH (ZAR)
BLIM112-300	CWM112...CWM300, CWM450/560	10045676	584,00
BLIM CWM400	CWM400 3P/4P	10186853	617,00
BLIM CWM800	CWM500/630/800 3P	10047279	18526,00
BLIM CWM800-4P	CWM500/630/800 4P	11308440	24914,00

Note: 1) Allows mechanical and electrical interlock through the 2 built-in NC contacts.
2) Quantity per packing: 3 units of fixed contacts.

SPARE PARTS FOR CONTACTORS

SPARE AC COILS²⁾

TYPE	TO USE WITH	STOCK CODE					PRICE EACH (ZAR)
		D02 (24 V)	D07 (48 V)	D13 (110 V)	D25 (240 V)	D34 (400 V)	
BRB-38 ▲	CWB9...38 / CWBS9...38 / CWB00...1 CAWB / CAWBS	12243117	12657821	12243218	12679440	12657822	121,00
BRB-80 ▲	CWB40...80 / CWBS40...80 / CWBN2	13909651	14349098	13909653	13909674	13909677	165,00
BRB-110 ▲	CWB95...110 CWBN3	15258080	15479765	15233680	15480049	15483324	236,00

SPARE DC AND AC/DC COILS¹⁾²⁾

TYPE	TO USE WITH	STOCK CODE				PRICE EACH (ZAR)
		C03 (24 V DC)	C07 (48 V DC)	C12 (110 V DC)	C15 (220 V DC)	
BRB-80 ▲	CWB40...80 / CWBS40...80 / CWBN2	13909696	Under request	14794463	13909719	745,00

TYPE	TO USE WITH	STOCK CODE		PRICE EACH (ZAR)
		E04 (24-60 V CA / DC)	E65 (110-255 V CA / DC)	
BRB-125 ▲	CWB95...125	15479907	15233682	1499,00

Notes: 1) Spare DC coils not available and spare contacts sets for CWB9...38.
 2) Article numbers for other rated voltages and frequencies upon request.
 ▲ - Smart code of the rated voltage.

3-POLE THERMAL OVERLOAD RELAYS FOR CW07/CWC0 CONTACTORS

3-POLE THERMAL OVERLOAD RELAY



RW17-2D

TYPE	RATED CURRENT (A)	DIRECT MOUNTING ON	STOCK CODE	PRICE EACH (ZAR)
RW17-1D3-D004	0,28...0,4	CW07, CWC07...16 (screw)	12450892	471,00
RW17-1D3-C063	0,4...0,63	CW07, CWC07...16 (screw)	12450895	471,00
RW17-1D3-D008	0,56...0,8	CW07, CWC07...16 (screw)	12450896	471,00
RW17-1D3-D012	0,8...1,2	CW07, CWC07...16 (screw)	12450897	471,00
RW17-1D3-D018	1,2...1,8	CW07, CWC07...16 (screw)	12450898	471,00
RW17-1D3-D028	1,8...2,8	CW07, CWC07...16 (screw)	12450899	471,00
RW17-1D3-U004	2,8...4	CW07, CWC07...16 (screw)	12450900	471,00
RW17-1D3-D063	4...6,3	CW07, CWC07...16 (screw)	12450901	471,00
RW17-1D3-U008	5,6...8	CW07, CWC07...16 (screw)	12450903	471,00
RW17-1D3-U010	7...10	CW07, CWC07...16 (screw)	12450905	471,00
RW17-1D3-D125	8...12,5	CWC07...16 (screw)	12450906	471,00
RW17-1D3-U015	10...15	CWC07...16 (screw)	12450907	471,00
RW17-1D3-U017	11...17	CWC07...16 (screw)	12450908	471,00
RW17-2D3-U010	7...10	CWC025	12450909	471,00
RW17-2D3-D125	8...12,5	CWC025	12450910	471,00
RW17-2D3-U015	10...15	CWC025	12450911	471,00
RW17-2D3-U017	11...17	CWC025	12450912	471,00
RW17-2D3-U023	15...23	CWC025	12450913	489,00
RW17-2D3-U032	22...32	CWC025	12450914	489,00

Note: other accessories for 4-Pole contactors, see 3-Pole contactor's accessories.

3-POLE THERMAL OVERLOAD RELAYS FOR CWB CONTACTORS

3-POLE THERMAL OVERLOAD RELAY



RW27-2D

TYPE	RATED CURRENT (A)	DIRECT MOUNTING ON	STOCK CODE	PRICE EACH (ZAR)
RW27-2D3-D004	0,28...0,4	CWB9...38, CWBS9...38	12140441	574,00
RW27-2D3-C063	0,43...0,63	CWB9...38, CWBS9...38	12140442	574,00
RW27-2D3-D008	0,56...0,8	CWB9...38, CWBS9...38	12140443	574,00
RW27-2D3-D012	0,8...1,2	CWB9...38, CWBS9...38	12140444	574,00
RW27-2D3-D018	1,2...1,8	CWB9...38, CWBS9...38	12140445	574,00
RW27-2D3-D028	1,8...2,8	CWB9...38, CWBS9...38	12140446	574,00
RW27-2D3-U004	2,8...4	CWB9...38, CWBS9...38	12140447	574,00
RW27-2D3-D063	4...6,3	CWB9...38, CWBS9...38	12140448	574,00
RW27-2D3-U008	5,6...8	CWB9...38, CWBS9...38	12140449	574,00
RW27-2D3-U010	7...10	CWB9...38, CWBS9...38	12140450	574,00
RW27-2D3-D125	8...12,5	CWB9...38, CWBS9...38	12140451	574,00
RW27-2D3-U015	10...15	CWB9...38, CWBS9...38	12140452	574,00
RW27-2D3-U017	11...17	CWB9...38, CWBS9...38	12140453	595,00
RW27-2D3-U023	15...23	CWB9...38, CWBS9...38	12140454	595,00
RW27-2D3-U032	22...32	CWB9...38, CWBS9...38	12140455	655,00
RW27-2D3-U040	32...40	CWB9...38, CWBS9...38	12140456	753,00
RW67-5D3-U040	25...40	CWB40...80	13368960	1289,00
RW67-5D3-U050	32...50	CWB40...80	13368961	1392,00
RW67-5D3-U057	40...57	CWB40...80	13368962	1392,00
RW67-5D3-U063	50...63	CWB40...80	13368963	1392,00
RW67-5D3-U070	57...70	CWB40...80	13368964	1661,00
RW67-5D3-U080	63...80	CWB40...80	13368965	1661,00
RW117-3D3-U080	63...80	CWB95...125	14204758	2113,00
RW117-3D3-U097	75...97	CWB95...125	14204759	2113,00
RW117-3D3-U112	90...112	CWB95...125	14204761	2113,00
RW117-3D3-U140	110...140	CWB95...125	14204762	2219,00

3-POLE - SOLID STATE OVERLOAD RELAYS FOR CWB CONTACTORS



3-POLE SOLID STATE OVERLOAD RELAYS - ADJUSTABLE TRIPPING CLASS 10, 20 AND 30

TYPE	RATED CURRENT (A)	DIRECT MOUNTING ON	STOCK CODE	PRICE EACH (ZAR)
RWB40E-3-A4U002	0,4...2 A	CWB9...38, CWBS9...38	12786062	2238,00
RWB40E-3-A4U008	1,6...8 A		12786061	2238,00
RWB40E-3-A4U025	5...25 A		12786060	2238,00
RWB40E-3-A4U040	8...40 A		12786059	2238,00



3-POLE SOLID STATE OVERLOAD RELAYS - ADJUSTABLE TRIPPING CLASS 10, 20 AND 30 WITH REMOTE RESET: 24 VDC

TYPE	RATED CURRENT (A)	DIRECT MOUNTING ON	STOCK CODE	PRICE EACH (ZAR)
RWB40E-3-R4U002	0,4...2 A	CWB9...38, CWBS9...38	14773637	2350,00
RWB40E-3-R4U008	1,6...8 A		14773635	2350,00
RWB40E-3-R4U025	5...25 A		14773632	2350,00
RWB40E-3-R4U040	8...40 A		14773631	2350,00

3-POLE THERMAL OVERLOAD RELAYS FOR CWM CONTACTORS



RW117



RW317

3-POLE THERMAL OVERLOAD RELAY

TYPE	RATED CURRENT (A)	DIRECT MOUNTING ON	SEPARATE MOUNTING ON	STOCK CODE	PRICE EACH (ZAR)
RW317-1D3-U150	100...150	-	CWM112/150/180/215/250/300/400/450/560 ¹⁾	10045647	3569,00
RW317-1D3-U215	140...215	-		10410005	3569,00
RW317-1D3-U310	200...310	-		10410006	3906,00
RW317-1D3-U420	275...420	-		10410007	3906,00

3-POLE - SOLID STATE OVERLOAD RELAYS FOR CWM CONTACTORS



3-POLE SOLID STATE OVERLOAD RELAYS - ADJUSTABLE TRIPPING CLASS 10, 20 AND 30

TYPE	RATED CURRENT (A)	DIRECT MOUNTING ON	STOCK CODE	PRICE EACH (ZAR)
RWM112E-3-A4U056	14...56 A	CWM50...105	11114728	2739,00
RWM112E-3-A4U112	28...112 A		11114729	2739,00
RWM420E-3-A4U250	50...250 A	CWM112...400 ¹⁾	12802652	6170,00
RWM420E-3-A4U420	112...420 A		11455846	6787,00
RWM840E-3-A4U840	170...840 A	CWM500...800 ¹⁾	11455847	14817,00

Note: 1) Separate mounting on.

MOTOR PROTECTIVE CIRCUIT-BREAKER MPW18 - SCREW TYPE



MPW18 - THERMAL-MAGNETIC PROTECTION

TYPE	RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
MPW18-3-C016	0,10 - 0,16	12429311	663,00
MPW18-3-C025	0,16 - 0,25	12429312	663,00
MPW18-3-D004	0,25 - 0,40	12429313	663,00
MPW18-3-C063	0,40 - 0,63	12429315	676,00
MPW18-3-U001	0,63 - 1,0	12429317	683,00
MPW18-3-D016	1,0 - 1,6	12429368	683,00
MPW18-3-D025	1,6 - 2,5	12429369	683,00
MPW18-3-U004	2,5 - 4,0	12429370	683,00
MPW18-3-D063	4,0 - 6,3	12429371	683,00
MPW18-3-U010	6,3 - 10	12429372	795,00
MPW18-3-U016	10 - 16	12429373	795,00
MPW18-3-U018	12 - 18	12429374	914,00

MOTOR PROTECTIVE CIRCUIT-BREAKER MPW40 - SCREW TYPE

MPW40 - THERMAL-MAGNETIC PROTECTION



TYPE	RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
MPW40-3-C016	0,10 - 0,16	12428084	663,00
MPW40-3-C025	0,16 - 0,25	12428085	663,00
MPW40-3-D004	0,25 - 0,40	12428086	663,00
MPW40-3-C063	0,40 - 0,63	12428087	676,00
MPW40-3-U001	0,63 - 1,0	12429239	683,00
MPW40-3-D016	1,0 - 1,6	12428108	683,00
MPW40-3-D025	1,6 - 2,5	12428110	683,00
MPW40-3-U004	2,5 - 4,0	12428112	683,00
MPW40-3-D063	4,0 - 6,3	12428115	683,00
MPW40-3-U010	6,3 - 10	12428117	795,00
MPW40-3-U016	10 - 16	12428128	795,00
MPW40-3-U020	16 - 20	12428129	856,00
MPW40-3-U025	20 - 25	12428133	1013,00
MPW40-3-U032	25 - 32	12428131	1089,00
MPW40-3-U040	32 - 40	12382551	1253,00

MOTOR PROTECTIVE CIRCUIT-BREAKER MPW80



MPW80 - THERMAL-MAGNETIC PROTECTION

TYPE	RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
MPW80-3-U040	32-40	12425347	2940,00
MPW80-3-U050	40-50	12425428	3061,00
MPW80-3-U065	50-65	12425429	3061,00
MPW80-3-U080 ¹⁾	65-80	12501063	3459,00

MOTOR PROTECTIVE CIRCUIT-BREAKER MPW100



MPW100 - THERMAL-MAGNETIC PROTECTION

TYPE	RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
MPW100-3-U075	55-75	10076551	5059,00
MPW100-3-U090	70-90	10076552	5441,00
MPW100-3-U100	80-100	10047295	5441,00

ACCESSORIES - MPW18, MPW40 AND MPW80

BLOCKS, BUSBARS ADAPTERS AND LINKS



DESCRIPTION	TERMINAL TYPE	FOR USE WITH	TYPE	STOCK CODE	PRICE EACH (ZAR)
	Screw	MPW18, MPW40, MPW80	ACBF-11	12463886	129,00
	Screw	MPW18, MPW40, MPW80	ACBS-11	12463909	138,00
	Screw	MPW18, MPW40, MPW80	ACBS-20	12463912	138,00
	Screw	MPW18, MPW40, MPW80	ACBS-02	12463914	138,00
Trip signalling block	Screw	MPW18, MPW40, MPW80	TSB	12463916	454,00
Busbar adapter - Pin type 54 mm	-	MPW18, MPW40	BBSP54-2	13451027	278,00
	-	MPW18, MPW40	BBSP54-3	13451168	317,00
	-	MPW18, MPW40	BBSP54-4	13451169	334,00
	-	MPW18, MPW40	BBSP54-5	13451170	423,00
Feeder terminal	-	MPW18, MPW40	FTBBSP	13451171	171,00
Starter type "E"	-	MPW40	LST25	10047102	454,00
Starter type "E"	-	MPW80	LST65	11112690	711,00

Note: 1) For use with MPW40 up to 32 A.

REMOTE SHUNT RELEASE - SCREW TYPE

RATED VOLTAGE (V)	CIRCUIT-BREAKER	TYPE	STOCK CODE	PRICE EACH (ZAR)
100-127 V 50/60 Hz	MPW18	SRMP D59	12463871	397,00
200-240 V 50/60 Hz	MPW40	SRMP D65	12463872	397,00
365-440 V 50/60 Hz	MPW80	SRMP D69	12463873	397,00

UNDERVOLTAGE RELEASE - SCREW TYPE



RATED VOLTAGE (V)	CIRCUIT-BREAKER	TYPE	STOCK CODE	PRICE EACH (ZAR)
110 V 50 Hz / 120 V 60 Hz	MPW18 MPW40 MPW80	URMP V18	12463874	397,00
110-115 V 50 Hz / 127 V 60 Hz		URMP V19	12463875	397,00
180 V 50 Hz / 208 V 60 Hz		URMP V23	12463876	397,00
190 V 50 Hz / 220 V 60 Hz		URMP V26	12463877	397,00
220 V 50 Hz / 255 V 60 Hz		URMP V32	12463878	397,00
208 V 50 Hz / 240 V 60 Hz		URMP V30	12463879	397,00
230-240 V 50 Hz / 277 V 60 Hz		URMP V37	12463880	397,00
325 V 50 Hz / 380 V 60 Hz		URMP V41	12463881	397,00
380 V 50 Hz / 440 V 60 Hz		URMP V42	12463882	397,00
400-415 V 50 Hz / 480 V 60 Hz		URMP V47	12463883	397,00
24 V 50/60 Hz		URMP D02	12463884	397,00
220 V 50/60 Hz		URMP D23	12463885	397,00

ACCESSORIES - MPW18, MPW40 AND MPW80

DOOR-COUPLING ROTARY HANDLE

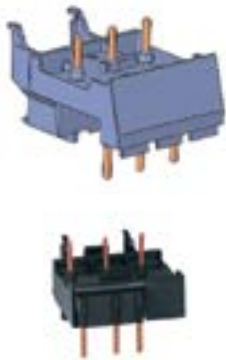
DESCRIPTION	CIRCUIT-BREAKER	TYPE	SHAFT SIZE	HANDLE COLOUR	STOCK CODE	PRICE EACH (ZAR)
Door-coupling rotary handle	MPW40	RMMP-130	130 mm	Black	10185921	517,00
		RMMP-330	330 mm		10185922	604,00
		MRX-130	130 mm		11051796	558,00
		MRX-330	330 mm		11051797	653,00



INSULATED ENCLOSURE - IP55

KNOCKOUTS	DESCRIPTION	CIRCUIT-BREAKER	TYPE	PROT. DEGREE	HANDLE COLOUR	STOCK CODE	PRICE EACH (ZAR)
M25	With ground terminals (M25) - knockout	MPW18	MPE66G	IP66	-	10831703	275,00
		MPW40	MPE55G	IP55	Black	10649171	241,00

PUSH-IN-LUGS - CONTACTOR LINK MODULE AND SCALE COVER



CIRCUIT-BREAKER - CONTACTOR LINK MODULE AND MOUNTING ADAPTERS

DESCRIPTION	CIRCUIT-BREAKER	TYPE	STOCK CODE	PRICE EACH (ZAR)
Link module CWC07...16 (AC/DC coil)	MPW18	ECCMP-C016	10867179	109,00
Link module for contactor CWB9...38 (AC coil)	MPW18	ECCMP-18B38	12462672	109,00
Link module for contactor CWB9...38 (AC coil)	MPW40	ECCMP-40B38	12462673	109,00
Link module for contactor CWB9...38 (DC coil)	MPW40	ECCMP-40B38DC	12462674	109,00
Link module CWB40...80 (AC/DC coil)	MPW80	ECCMP-80B80	13520507	325,00
Link module for contactor CW07 (AC coil)	MPW40	ECCMP-07	10046506	109,00
Link module CWC07...16 (AC/DC coil)	MPW40	ECCMP-C0	10047217	109,00
Link module CWC025 (AC coil)	MPW40	ECCMP-C025	10689937	109,00
Link module CWM9...25 (AC coil)	MPW40	ECCMP-25	10409822	109,00
Link module for contactor CWM32 (AC coil)	MPW40	ECCMP-32	10075736	109,00

Note: 1) Quantity per packing: 2 units. For MPW80 use 2 kits or 4 pieces.

ACCESSORIES - MPW100



BLOCKS / BUSBARS ADAPTERS / LINKS

DESCRIPTION	TERMINAL TYPE	CIRCUIT-BREAKER	TYPE	STOCK CODE	PRICE EACH (ZAR)
Front mount auxiliary contact block (1NO+1NC)	Screw	MPW100	ACBF-11 MPW100	10047296	274,00
Side mount auxiliary contact block (1NO+1NC)	Screw	MPW100	ACBS 11 MPW100	10047297	415,00
Side mount auxiliary contact block (2NO)	Screw	MPW100	ACBS 20 MPW100	10076555	415,00
Side mount auxiliary contact block (2NC)	Screw	MPW100	ACBS-02 MPW100	10076556	415,00
Trip signalling block	Screw	MPW100	TSB AT-11 MPW100	10047298	463,00



UNDERVOLTAGE RELEASE - SCREW TYPE

RATED VOLTAGE (V)	CIRCUIT-BREAKER	TYPE	STOCK CODE	PRICE EACH (ZAR)
220-230 V 50 Hz / 240-260 V 60 Hz	MPW100	URMP V33 MPW100	10186876	722,00

ACCESSORIES - MPW80 AND MPW100

REMOTE SHUNT RELEASE - SCREW TYPE

RATED VOLTAGE (V)	CIRCUIT-BREAKER	TYPE	STOCK CODE	PRICE EACH (ZAR)
220-230 V 50 Hz / 240-260 V 60 Hz	MPW100	SRMP V33 MPW100	10186873	722,00
380-400 V 50 Hz / 440-460 V 60 Hz		SRMP V43 MPW100	10186874	722,00



DOOR-COUPLING ROTARY HANDLE

DESCRIPTION	CIRCUIT-BREAKER	TYPE	SHAFT SIZE	HANDLE COLOUR	STOCK CODE	PRICE EACH (ZAR)
Door-coupling rotary handle	MPW80	RMMP65-130	130 mm	Black	11068497	517,00
		RMMP65-330	330 mm		11068519	604,00
		MRX65-330	330 mm		11068523	653,00
	MPW100	MR MPW100-315	315 mm	Grey	10609711	722,00

ENCLOSED DIRECT-ON-LINE STARTER - DLW (IP65/66³) - 50 HZ)

THREE-PHASE



COMPOSITION: CONTACTOR + THERMAL OVERLOAD RELAY

RATED POWER			RANGE OF OVERLOAD RELAY (A)	MAX. RATED CURRENT I _c (A)	CONTACTOR	TYPE	STOCK CODE COIL VOLTAGE		PRICE EACH (ZAR)
AC-3 / 230 V 50 Hz kW	AC-3 / 400 V 50 Hz kW	AC-3 / 550 V 50 Hz kW					230 VAC	400 VAC	
SIZE 02 - ENCLOSURE DIMENSIONS: 155 x 90 x 98mm (H x W x D)									
-	0,12	N/A	0,28...0,4	0,4	CW07	DLW-7■■■■P65-R01	10073251	10072767	1026,00
-	0,18	N/A	0,4...0,63	0,63	CW07	DLW-7■■■■P65-R02	10073252	10071275	1026,00
0,12	0,25	N/A	0,56...0,8	0,8	CW07	DLW-7■■■■P65-R03	10867909	10071276	1026,00
0,18	0,37	N/A	0,8...1,2	1,2	CW07	DLW-7■■■■P65-R04	10867910	10682988	1026,00
0,25	0,75	N/A	1,2...1,8	1,8	CW07	DLW-7■■■■P65-R05	10071281	10071277	1026,00
0,37	1,1	N/A	1,8...2,8	2,8	CW07	DLW-7■■■■P65-R06	10071282	10186296	1026,00
0,75	1,5	N/A	2,8...4	4	CW07	DLW-7■■■■P65-R07	10867911	10046219	1026,00
1,1	2,2	N/A	4,0...6,3	6,3	CW07	DLW-7■■■■P65-R08	10689890	10046239	1026,00
1,5	3,0	N/A	5,6...8	7	CW07	DLW-7■■■■P65-R09	10867915	10689892	1026,00
SIZE 04 - ENCLOSURE DIMENSIONS: 185 x 105 x 111mm (H x W x D)									
2,2	4	4	7...10	-	CW07	DLW-09■■■■P65-R10	11991852	11991856	1217,00
3,0	5,5	5,5	8...12,5	5,5	CW07	DLW-012■■■■P65-R11	11991854	13567394	1228,00
-	7,5	-	11...17	9,2	CW07	DLW-016■■■■P65-R13	11991855	11991889	1303,00
SIZE 05 - ENCLOSURE DIMENSIONS: 217 x 114 x 117.5mm (H x W x D)									
0,37,0,55	1,1	1,5	1,8...2,8	2,8	CWB9	DLW-B9■■■■P66-R59	13716051	13339039	1248,00
0,75	1,5	2,2	2,8...4	4	CWB9	DLW-B9■■■■P66-R60	13716052	13716054	1248,00
1,1	2,2	3	4,0...6,3	6,3	CWB9	DLW-B9■■■■P66-R61	13601146	13601176	1248,00
1,5	3	4	5,6...8	8	CWB9	DLW-B9■■■■P66-R62	13601145	13601177	1248,00
2,2	4	-	7...10	9	CWB9	DLW-B9■■■■P66-R63	13601147	13339045	1248,00
3	5,5	5,5	8...12,5	12	CWB12	DLW-B12■■■■P66-R64	13601168	13338985	1268,00
4	7,5	7,5	10...15	15	CWB18	DLW-B18■■■■P66-R65	13601169	13601190	1296,00
-	9,2	9,2	11...17	17	CWB18	DLW-B18■■■■P66-R66	13601170	13601191	1316,00
5,5	11	11	15...23	23	CWB25	DLW-B25■■■■P66-R67	13601172	13601193	1472,00
7,5	15	15	22...32	32	CWB32	DLW-B32■■■■P66-R68	13601173	13601194	1941,00
9,2,11	18,5	18,5	32...40	38	CWB38	DLW-B38■■■■P66-R69	13517132	13601195	2185,00

ENCLOSED DIRECT-ON-LINE STARTER - DLW (IP65/66²)

THREE-PHASE

COMPOSITION: ENCLOSED + CONTACTOR ONLY

RATED POWER			RANGE OF OVERLOAD RELAY(A)	CONTACTOR	TYPE	STOCK CODE COIL VOLTAGE		PRICE EACH (ZAR)
AC-3 / 230 V 50 Hz kW	AC-3 / 400 V 50 Hz kW	AC-3 / 550 V 50 Hz kW				230 VAC	400 VAC	
FOR ASSEMBLY OF ENCLOSED THREE-PHASE DIRECT-ON-LINE STARTERS - SIZE 02								
0,06...1,5	0,09...3		(1,28...8)	CW07	DLW-7■■■■P65	10076575	10076577	578,00
FOR ASSEMBLY OF ENCLOSED THREE-PHASE DIRECT-ON-LINE STARTES - SIZE 05								
	4	4	(7...10)	CWB9	DLW-B9■■■■P66	13539183	13539222	659,00
3	5,5	5,5	(8...12,5)	CWB12	DLW-B12■■■■P66	13539219	13539224	678,00
4	7,5...9,2	7,5...9,2	(11...17)	CWB18	DLW-B18■■■■P66	13539221	13539227	684,00
5,5	11	11	(15...23)	CWB25	DLW-B25■■■■P66	Upon Request	14222337	800,00
7,5	15	18,5	(22...32)	CWB32	DLW-B32■■■■P66	14717807	14222378	1268,00
9,2	18,5	22	(32...40)	CWB38	DLW-B38■■■■P66	Upon Request	14222379	1412,00
FOR ASSEMBLY OF ENCLOSED THREE-PHASE DIRECT-ON-LINE STARTES - SIZE 08								
11	22	30	(40...57)	CWM50	DLW-50■■■■P65	Upon Request	14710085	2666,00

OVERLOAD RELAY NOT INCLUDED

Notes: 1) Considering a WEG motor model W22 Plus, IV poles, service factor 1,0 (AC-3 50 Hz).
 2) Different control voltage are available under request.
 3) IP66 only for size 05.

MULTIFUNCTION ELECTRONIC TIMING RELAYS



FUNCTION	CONTACTS	VOLTAGE	TIME RANGE	TYPE	SAP CODE	PRICE EACH (ZAR)
On-delay (A) Off-delay with control signal (Ba) On- and Off-delay with control signal (Ca) Symmetrical flasher, starts with pulse on (Da) Symmetrical flasher, starts with pulse off (Db) Interval (E) Retriggerable interval with control signal off (Fa) Star-Delta (G)	2NOC	24-240 V 50/60 Hz 24-240 V dc	0,1s...10 d	ERWT-MF1-02MT1E05	11593741	1707,00
ON and OFF delay with control signal (Cb) Asymmetrical flasher, starts with pulse OFF (Dd) Percentage flasher, starts with pulse OFF (Df) Delayed adjustable-length pulse (Ia) Asymmetrical flasher, starts with pulse ON (Dc) Percentage flasher, starts with pulse ON (De) Flasher to reversing motor (Dg) Bistable (J)	2NOC	24-240 V 50/60 Hz 24-240 V dc	0,1s...10 d	ERWT-MF2-02MT1E05	12074471	1707,00

MULTIFUNCTION THREE-PHASE MONITORING RELAYS



FUNCTION	CONTACTS	VOLTAGE	TIME RANGE	TYPE	SAP CODE	PRICE EACH (ZAR)
Phase loss (PF) Overvoltage (>Un) Unbalance (Asy) Phase Sequence (PS) Undervoltage (<Un) Neutral detection (ND)	1NOC	208-480 V 50/60 Hz	0(OFF)...30s	ERWM-VM1-01D90	12337266	2435,00
Phase loss (PF) Overvoltage (>Un) Unbalance (Asy) Undervoltage (<Un) Neutral detection (ND)	1NOC	208-480 V 50/60 Hz	0(OFF)...30s	ERWM-VM2-01D90	12074470	2435,00

ELECTRONIC TIMING RELAYS (17.5 MM WIDE)



RTW17 A - ON DELAY

AUX. CONTACT	RATED VOLTAGE (V)	TIME RANGE	TYPE	STOCK CODE	PRICE EACH (ZAR)
1NOC	24-240 V dc/dc 50/60 Hz	0,1s...10 d	RTW17-A01MATE05	13960960	999,00
2NOC			RTW17-A02MATE05	13960982	1067,00

RTW17 E - IMPULSE-ON

AUX. CONTACT	RATED VOLTAGE (V)	TIME RANGE	TYPE	STOCK CODE	PRICE EACH (ZAR)
1NOC	24-240 V dc/dc 50/60 Hz	0,1s...10 d	RTW17-E01MATE05	13960837	999,00
2NOC			RTW17-E02MATE05	13960877	1067,00

RTW17 BA - OFF-DELAY

AUX. CONTACT	RATED VOLTAGE (V)	TIME RANGE	TYPE	STOCK CODE	PRICE EACH (ZAR)
1NOC	24-240 V dc/dc 50/60 Hz	0,1s...10 d	RTW17-Ba01MATE05	13960918	999,00
2NOC			RTW17-Ba02MATE05	13960938	1067,00

ELECTRONIC TIMING RELAYS (17.5 MM WIDE) - SINGLE TIMING

RTW17-A ON DELAY

AUX. CONTACT	RATED VOLTAGE (V)	TIME RANGE	TYPE	STOCK CODE	PRICE EACH (ZAR)
1NOC	24-240 V dc/dc 50/60 Hz	0,3s...3s	RTW17-A01U003SE05	13960963	756,00
		3s...30s	RTW17-A01U030SE05	13960967	756,00
		30s...300s	RTW17-A01U300SE05	13960981	756,00

RTW17-E IMPLUSE ON

AUX. CONTACT	RATED VOLTAGE (V)	TIME RANGE	TYPE	STOCK CODE	PRICE EACH (ZAR)
1NOC	24-240 V dc/dc 50/60 Hz	0,3s...3s	RTW17-E01U003SE05	13960869	756,00
		3s...30s	RTW17-E01U030SE05	13960872	756,00
		30s...300s	RTW17-E01U300SE05	13960876	756,00

RTW17-G STAR-DELTA

AUX. CONTACT	RATED VOLTAGE (V)	TIME RANGE	TYPE	STOCK CODE	PRICE EACH (ZAR)
2NOC	24-240 V dc/dc 50/60 Hz	3s...30s	RTW17-G02U030SE05	13960132	874,00
	208-480 V 50/60 Hz		RTW17-G02U030SD90	13960256	1067,00

ELECTRONIC MONITORING RELAYS (17.5 MM WIDE)



RMW17 - FSF - PHASE LOSS AND PHASE SEQUENCE PROTECTOR

VOLTAGE (V)	TYPE	STOCK CODE	PRICE EACH (ZAR)
380-480 ac/ca 50/60 Hz	RMW17-FSF01D97	14226365	1184,00

RMW17 - SF - PHASE SEQUENCE PROTECTOR

VOLTAGE (V)	TYPE	STOCK CODE	PRICE EACH (ZAR)
208-480 ac/ca 50/60 Hz	RMW17-SF01D90	13960219	1044,00

RMW17 - SS - UNDER VOLTAGE AND OVERVOLTAGE PROTECTOR

VOLTAGE (V)	TYPE	STOCK CODE	PRICE EACH (ZAR)
230 ac/ca 50/60 Hz	RMW17-SS01D24	13960248	1240,00
400 ac/ca 50/60 Hz	RMW17-SS01D34	13960223	1240,00

ELECTRONIC MONITORING RELAYS



RPW - PTC - PTC PROTECTOR

VOLTAGE (V)	TYPE	STOCK CODE	PRICE EACH (ZAR)
24-240 V 50/60 Hz / dc	RPW-PTCE05	10075636	1411,00

ELECTRONIC LEVEL CONTROL RELAY - RNW

ELECTRONIC LEVEL CONTROL RELAY - RNW



RNW ES - DRAINING

VOLTAGE (V)	TYPE	STOCK CODE	PRICE EACH (ZAR)
100-240 V ac 50/60 Hz	RNW-ESE09	10318025	1298,00

RNW EN - FILLING

VOLTAGE (V)	TYPE	STOCK CODE	PRICE EACH (ZAR)
100-240 V ac 50/60 Hz	RNW-ENE09	10318026	1298,00

ACCESSORIES FOR ELECTRONIC LEVEL CONTROL RELAY



Pendulum electrode



Shaft electrode

TYPE	DESCRIPTION	STOCK CODE	PRICE EACH (ZAR)
EPW	Pendulum electrode	10583739	174,00
EHW	Stem electrode	10583740	926,00

Note: 1) Quantity per packing: 2 units.

SMART RELAY

SMART RELAY WEG - SRW01

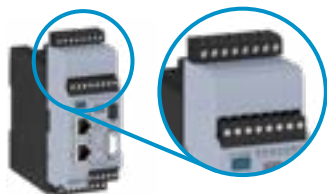


CONTROL UNIT - UC

TYPE	FUNCTION S1 - S2	RATED SUPPLY VOLTAGE (V)	COMMUNICATION PROTOCOL	DI SWITCHING VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
SRW01-UCBE1E47	Earth leakage	110-240 V 50/60 Hz-DC	Not available	24 V dc	11072584	8374,00
SRW01-UCBE2E47	Earth leakage	110-240 V 50/60 Hz-DC		110 V ac	11072586	8374,00
SRW01-UCBT1E47	PTC	110-240 V 50/60 Hz-DC		24 V dc	10558177	7619,00
SRW01-UCBT2E47	PTC	110-240 V 50/60 Hz-DC		110 V ac	10673330	7619,00
SRW01-UCPE1E47	Earth leakage	110-240 V 50/60 Hz-DC	Profibus	24 V dc	11072136	11351,00
SRW01-UCPE2E47	Earth leakage	110-240 V 50/60 Hz-DC		110 V ac	11072137	11351,00
SRW01-UCPT1E47	PTC	110-240 V 50/60 Hz-DC		24 V dc	10673417	10578,00
SRW01-UCPT2E47	PTC	110-240 V 50/60 Hz-DC		110 V ac	10673414	10578,00
SRW01-UCME1E47	Earth leakage	110-240 V 50/60 Hz-DC	Modbus	24 V dc	11072133	10481,00
SRW01-UCME2E47	Earth leakage	110-240 V 50/60 Hz-DC		110 V ac	11072135	10481,00
SRW01-UCMT1E47	PTC	110-240 V 50/60 Hz-DC		24 V dc	10675557	9727,00
SRW01-UCMT2E47	PTC	110-240 V 50/60 Hz-DC		110 V ac	10673440	9727,00
SRW01-UCDE1E47	Earth leakage	110-240 V 50/60 Hz-DC	DeviceNet	24 V dc	11072131	9360,00
SRW01-UCDE2E47	Earth leakage	110-240 V 50/60 Hz-DC		110 V ac	11072132	9360,00
SRW01-UCDT1E47	PTC	110-240 V 50/60 Hz-DC		24 V dc	10673500	8606,00
SRW01-UCDT2E47	PTC	110-240 V 50/60 Hz-DC		110 V ac	10673498	8606,00
SRW01-UCE1TE1E47	Earth leakage and PTC	110-240 V 50/60 Hz-DC	Modbus TCP	24 V dc/cc	12105800	11351,00
SRW01-UCE2TE1E47	Earth leakage and PTC	110-240 V 50/60 Hz-DC	Profinet IO	24 V dc/cc	13628772	13131,00
SRW01-UCE3TE1E47	Earth leakage and PTC	110-240 V 50/60 Hz-DC	Ethernet/IP	24 V dc/cc	13628769	13131,00

SMART RELAY - ACCESSORIES

ACCESSORIES



INTERFACE MODULE FOR DIGITAL INPUTS - IAC

TYPE	DESCRIPTION	STOCK CODE	PRICE EACH (ZAR)
SRW01-IAC	The SRW01-IAC interface module allows the application of 110 V 50/60 Hz signals to the digital inputs of the control units with Ethernet communication.	14910464	1451,00

SMART RELAY - ACCESSORIES

ACCESSORIES



I/O EXPANSION MODULE - EDU

TYPE	DIGITAL INPUTS	DIGITAL OUTPUTS	RATED VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
SRW01-EDU1	6	4	24 V dc	11367104	3733,00
SRW01-EDU2	6	4	110 V ac	11367106	3733,00



CURRENT MEASURE UNIT - UMC

TYPE	CURRENT RANGE (A)	STOCK CODE	PRICE EACH (ZAR)
SRW01-UMC1	0,5...5	10558179	3191,00
SRW01-UMC2	1,25...12,5	10558180	3268,00
SRW01-UMC3	2,5...25	10558181	3404,00
SRW01-UMC4	12,5...125	10558182	4990,00
SRW01-UMC5	42...420	10561132	6807,00
SRW01-UMC6	84...840	10561133	9128,00



CURRENT AND VOLTAGE MEASURE UNIT - UMCT

TYPE	CURRENT RANGE (A)	VOLTAGE RANGE (V AC)	STOCK CODE	PRICE EACH (ZAR)
SRW01-UMCT1	0,5...5	35...690 V ac	11751275	6420,00
SRW01-UMCT2	1,25...12,5	35...690 V ac	11751274	6498,00
SRW01-UMCT3	2,5...25	35...690 V ac	11751276	6633,00
SRW01-UMCT4	12,5...125	35...690 V ac	11739009	8219,00
SRW01-UMCT5	42...420	35...690 V ac	11751277	10037,00
SRW01-UMCT6	84...840	35...690 V ac	11751328	12357,00

EXTENSION CABLE IHM

TYPE	LENGTH (mm)	STOCK CODE	PRICE EACH (ZAR)
COM CABLE	1500	10624678	326,00



UC-UMC OR UC-EDU CONNECTION CABLE

TYPE	LENGTH (mm)	STOCK CODE	PRICE EACH (ZAR)
SRW01-CB0	60	11332922	131,00
SRW01-CB1	120	10558183	131,00
SRW01-CB2	500	10938235	152,00
SRW01-CB3	2000	10558185	174,00
SRW01-CB4	1000	11332919	174,00

SMART RELAY - ACCESSORIES

ACCESSORIES

USB CONNECTION CABLE

TYPE	LENGTH (mm)	STOCK CODE	PRICE EACH (ZAR)
SRW01-USB	2.000	10561134	391,00



USB CABLE FOR PANEL DOOR WITH PROTECTIVE COVER IP68

TYPE	LENGTH (mm)	STOCK CODE	PRICE EACH (ZAR)
SRW01-AUSB1	250	12171479	1584,00
SRW01-AUSB2	500	12171480	2257,00

UC-IHM CONNECTION CABLE

TYPE	LENGTH (mm)	STOCK CODE	PRICE EACH (ZAR)
SRW01-CH1	500	10558187	326,00
SRW01-CH2	1000	10558188	348,00
SRW01-CH3	1500	10558189	348,00
SRW01-CH4	2000	11332397	434,00



COMMUNICATION MODULE

TYPE	COMMUNICATION PROTOCOL	STOCK CODE	PRICE EACH (ZAR)
SRW01-MCD	DeviceNet	10575286	987,00
SRW01-MCM	Modbus	10675582	2108,00
SRW01-MCP	Profibus	10675585	2978,00



EARTH LEAKAGE OR RESIDUAL CURRENT SENSOR

TYPE	DIAMETER (mm)	FOR USE WITH	STOCK CODE	PRICE EACH (ZAR)
SRW01-EL1	35	UMC1, UMC2, UMC3	10997169	2358,00
SRW01-EL2	70	UMC4	10997170	4101,00
SRW01-EL3	120	UMC5	10997173	7389,00
SRW01-EL4	210	UMC6	10997174	14976,00

HUMAN MACHINE INTERFACE

TYPE	DESCRIPTION	STOCK CODE	PRICE EACH (ZAR)
SRW01-HMI	Human Machine Interface (Vertical)	10558186	2427,00

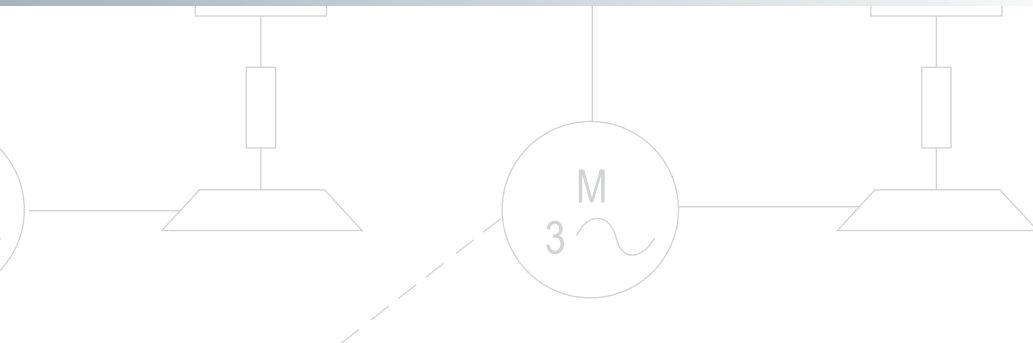
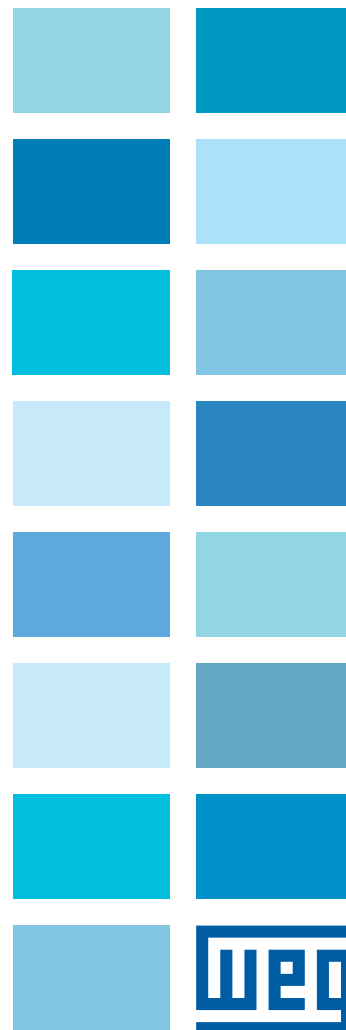
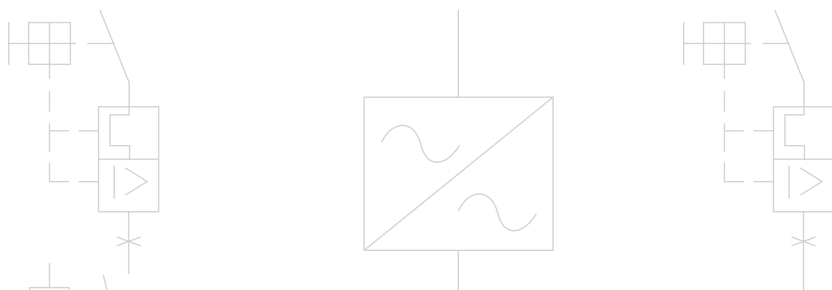
Note: 1) Quantity per packing: 10 units.

NOTES

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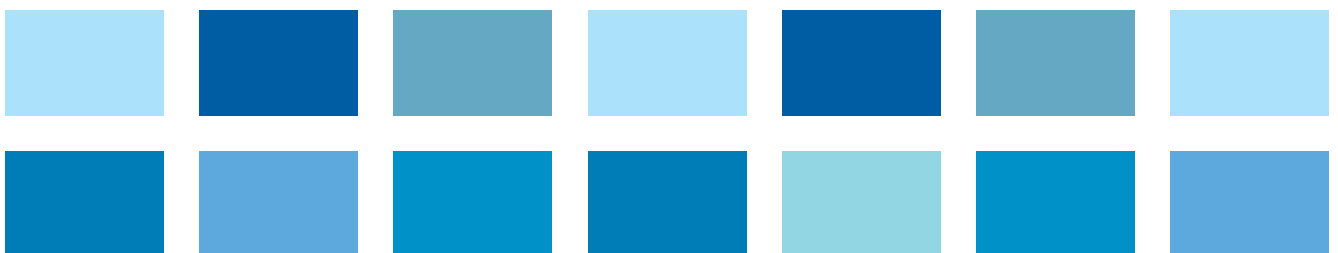
AUTOMATION

BOOK 2 - PUSHBUTTONS AND PILOT LIGHTS



SUMMARY

Complete Sets - CSW Series ¹⁾	2-4
Complete Units	2-5
Pushbuttons - IP66	2-6
Emergency Stop Pushbutton	2-6
Illuminated Pushbuttons - IP66	2-6
Selector Switches	2-7
Blue Flange and Accessories	2-7
Control Stations PBW	2-8
PBW Line Accessories	2-8



COMPLETE SETS - CSW SERIES¹⁾

PUSHBUTTONS

DESCRIPTION	TYPE	STOCK CODE	PRICE EACH (ZAR)
Flush ON (black - 1NO)	CSW-BF5-10000000-3VF	12923176	88,00
Flush (blue marked "RESET" - 1NO)	CSW-BF437-10000000-3VF	12922280	91,00
Flush (blue - 1NO)	CSW-BF4-10000000-3VF	12923199	88,00
Flush (yellow - 1NO)	CSW-BF3-10000000-3VF	12930986	88,00
Flush (green - 1NO)	CSW-BF2-10000000-3VF	12923177	88,00
Flush OFF (red - 1NC)	CSW-BF1-01000000-3VF	12922955	88,00
Mushroom OFF (red - 1NC)	CSW-BC1-01000000-3VF	12931019	114,00
Emergency stop turn to reset + 1NC self-monitoring	CSW-BESG-00000001-3VF	13278311	240,00
Emergency stop pull to reset + 1NC self-monitoring	CSW-BESP-00000001-3VF	13278309	240,00
Double IP40 (green marked "I" / red marked "O" - 1NO + 1NC)	CSW-BD-11000000-3VF	12923175	193,00
Double IP66 (green marked "I" / red marked "O" - 1NO + 1NC)	CSW2-BDF2110-11000000-3VF	12756198	216,00
Emergency stop turn to reset + 1NC	CSW-BESG-01000000-3VF	12922954	150,00
Emergency stop pull to reset + 1NC	CSW-BESP-01000000-3VF	12931118	150,00

PUSHBUTTONS WITH CONTROL STATION

PBW CONTROL STATION	PUSHBUTTONS	CONTACT BLOCKS	PLATE	TYPE	STOCK CODE	PRICE EACH (ZAR)
Yellow - 1 hole	Emergency stop CSW-BESGM	1NO + 1NC	Red engraved "emergency stop"	PBW1Y-GM11V03	13232101	428,00

SELECTOR SWITCHES

DESCRIPTION	TYPE	STOCK CODE	PRICE EACH (ZAR)
Knob switch 2 fixed positions 45° - (1NO)	CSW-CK2F45-10000000-3VF	12923170	132,00
Knob switch 2 fixed positions 90° - (1NO + 1NC)	CSW-CK2F90-11000000-3VF	12923198	175,00
Knob switch 2 fixed positions 90° - (1NO)	CSW-CK2F90-10000000-3VF	12923253	132,00
Knob switch 2 fixed positions 90° - (2NO)	CSW-CK2F90-20000000-3VF	12931095	175,00
Knob switch 2 fixed positions 45° - (1NO + 1NC)	CSW-CK2F45-11000000-3VF	12931096	175,00
Knob 3 positions 45° with return - (2NO)	CSW-CK3R45-20000000-3VF	12923020	175,00
Knob 3 fixed positions 45° - (2NO)	CSW-CK3F45-20000000-3VF	12923168	166,00

SIGNALLING

DESCRIPTION	TYPE	STOCK CODE	PRICE EACH (ZAR)
Diffused white with LED 24 V ac/dc	CSW-SD0-FE26-3VF	12930828	169,00
Diffused red with LED 24 V ac/dc	CSW-SD1-FE26-3VF	12930829	169,00
Diffused green with LED 24 V ac/dc	CSW-SD2-FE26-3VF	12930830	169,00
Diffused yellow with LED 24 V ac/dc	CSW-SD3-FE26-3VF	12930831	169,00
Diffused blue with LED 24 V ac/dc	CSW-SD4-FE26-3VF	12930832	169,00
Diffused white with LED 110-130 V ac/dc	CSW-SD0-FE10-3VF	12930880	169,00
Diffused red with LED 110-130 V ac/dc	CSW-SD1-FE10-3VF	12930881	169,00
Diffused green with LED 110-130 V ac/dc	CSW-SD2-FE10-3VF	12930882	169,00
Diffused yellow with LED 110-130 V ac/dc	CSW-SD3-FE10-3VF	12930883	169,00
Diffused blue with LED 110-130 V ac/dc	CSW-SD4-FE10-3VF	12930884	169,00
Diffused white with LED 220-240 V ac	CSW-SD0-FD66-3VF	12930902	169,00
Diffused red with LED 220-240 V ac	CSW-SD1-FD66-3VF	12923060	169,00
Diffused green with LED 220-240 V ac	CSW-SD2-FD66-3VF	12923059	169,00
Diffused yellow with LED 220-240 V ac	CSW-SD3-FD66-3VF	12930903	169,00
Diffused blue with LED 220-240 V ac	CSW-SD4-FD66-3VF	12930904	169,00

Note: 1) Other configurations on request.

COMPLETE UNITS

PILOT LIGHT WITH INTEGRATED LED (MONOBLOCK)

VOLTAGE	COLOUR	TYPE	STOCK CODE	PRICE EACH (ZAR)
12 V ac/dc	Red	CEW-SM1-E25 ¹⁾	10046535	67,00
24 V ac/dc		CEW-SM1-E26 ¹⁾	10046540	67,00
110-130 V dc		CEW-SM1-C14 ¹⁾	10046545	67,00
110 V ac		CEW-SM1-D13 ¹⁾	10046525	67,00
220 V ac		CEW-SM1-D23 ¹⁾	10046530	67,00
12 V ac/dc	Green	CEW-SM2-E25 ¹⁾	10046536	67,00
24 V ac/dc		CEW-SM2-E26 ¹⁾	10046541	67,00
110-130 V dc		CEW-SM2-C14 ¹⁾	10046546	67,00
110 V ac		CEW-SM2-D13 ¹⁾	10046526	67,00
220 V ac		CEW-SM2-D23 ¹⁾	10046531	67,00
12 V ac/dc	Yellow	CEW-SM3-E25 ¹⁾	10046537	67,00
24 V ac/dc		CEW-SM3-E26 ¹⁾	10046542	67,00
110-130 V dc		CEW-SM3-C14 ¹⁾	10046547	67,00
110 V ac		CEW-SM3-D13 ¹⁾	10046527	67,00
220 V ac		CEW-SM3-D23 ¹⁾	10046532	67,00
12 V ac/dc	Blue	CEW-SM4-E25 ¹⁾	10046538	130,00
24 V ac/dc		CEW-SM4-E26 ¹⁾	10046543	130,00
110-130 V dc		CEW-SM4-C14 ¹⁾	10046548	130,00
110 V ac		CEW-SM4-D13 ¹⁾	10046528	130,00
220 V ac		CEW-SM4-D23 ¹⁾	10046533	130,00
12 V ac/dc	White	CEW-SM0-E25 ¹⁾	10046539	130,00
24 V ac/dc		CEW-SM0-E26 ¹⁾	10046544	130,00
110-130 V dc		CEW-SM0-C14 ¹⁾	10046549	130,00
110 V ac		CEW-SM0-D13 ¹⁾	10046529	130,00
220 V ac		CEW-SM0-D23 ¹⁾	10046534	130,00

Note: 1) UL pending.



PUSHBUTTONS - IP66



CSW-BF0-WH

DESCRIPTION	COLOUR	LABEL	TYPE	STOCK CODE	PRICE EACH (ZAR)
Flush	Red	Without	CSW-BF1-WH	12881927	33,00
	Green	Without	CSW-BF2-WH	12882149	33,00
	Yellow	Without	CSW-BF3-WH	12882150	33,00
	Blue	Without	CSW-BF4-WH	12882151	33,00
	Black	Without	CSW-BF5-WH	12882152	33,00

EMERGENCY STOP PUSHBUTTON



Pull to release

EMERGENCY STOP PUSHBUTTON WITH LATCH - IP66

DESCRIPTION	FUNCTION	TYPE	STOCK CODE	PRICE EACH (ZAR)
Pushbutton 42 mm	Turn to release	CSW-BESG WH	12882447	95,00
Pushbutton 42 mm	Pull to release	CSW-BESP WH	12882459	95,00
Pushbutton 42 mm	Key to release	CSW-BESY WH	12882461	380,00



Turn to release

EMERGENCY STOP PUSHBUTTON WITH GREEN POSITION INDICATOR - IP66

DESCRIPTION	FUNCTION	TYPE	STOCK CODE	PRICE EACH (ZAR)
Pushbutton 42 mm	Turn to release	CSW-BESGS WH	12882462	112,00
Pushbutton 42 mm	Pull to release	CSW-BESPS WH	12882463	112,00
Pushbutton 42 mm	Key to release	CSW-BESYS WH	12882464	397,00



CSW-BCY1-WH

MUSHROOM EMERGENCY STOP PUSHBUTTON WITH LATCH - IP66

DESCRIPTION	COLOUR	TYPE	STOCK CODE	PRICE EACH (ZAR)
Murshroom 40 mm - turn to release	Red	CSW-BCT1 WH	12882215	86,00
Murshroom 40 mm - key to release	Red	CSW-BCY1 WH	12882252	348,00

ILLUMINATED PUSHBUTTONS - IP66



CSW-BFI2-WH

DESCRIPTION	COLOUR	LABEL	TYPE	STOCK CODE	PRICE EACH (ZAR)
Illuminated flush	White	Without	CSW-BFI0-WH	12882258	70,00
	Red	Without	CSW-BFI1-WH	12882259	70,00
	Green	Without	CSW-BFI2-WH	12882260	70,00
	Yellow	Without	CSW-BFI3-WH	12882261	70,00
	Blue	Without	CSW-BFI4-WH	12882262	70,00
Double (IP40)	Green-red	I / O	CSW-BD-WH	12884105	101,00



CSW-BD-WH

SELECTOR SWITCHES

SELECTOR SWITCHES - IP66



CSW-CK...



CSW-CA...

DESCRIPTION	POSITIONS	TYPE	STOCK CODE	PRICE EACH (ZAR)
Knob	2 fixed (45°)	CSW-CK2F45-WH	12882307	73,00
	2 fixed (90°)	CSW-CK2F90-WH	12882308	73,00
	2 w/ return (45°)	CSW-CK2R45-WH	12882309	77,00
	2 w/ return (90°)	CSW-CK2R90-WH	12882310	77,00
	3 fixed	CSW-CK3F45-WH	12882311	75,00
	3 w/ return	CSW-CK3R45-WH	12882312	77,00
	3 ret. left	CSW-CK3RE45-WH	12882314	77,00
	3 ret. right	CSW-CK3RD45-WH	12882315	77,00
Lever	2 fixed (45°)	CSW-CA2F45-WH	12882316	99,00
	2 fixed (90°)	CSW-CA2F90-WH	12882317	92,00
	2 w/ return (45°)	CSW-CA2R45-WH	12882338	92,00
	2 w/ return (90°)	CSW-CA2R90-WH	12882339	92,00
	3 fixed	CSW-CA3F45-WH	12882340	99,00
	3 w/ return	CSW-CA3R45-WH	12882341	92,00

BLUE FLANGE AND ACCESSORIES



AF3F

BLUE FLANGE

DESCRIPTION	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
Flange (3 pos)	1	AF3F	12670264	18,00
Flange (5 pos)		AF5F	13268324	57,00



CONTACT BLOCKS

DESCRIPTION	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
Single (1NO)	1	BC10F-CSW	12891184	39,00
Single (1NC)		BC01F-CSW	12891186	39,00



INTEGRATED LED BLOCK

VOLTAGE	COLOUR	TYPE	STOCK CODE	PRICE EACH (ZAR)
24 V ac/dc	White	CSW-BIDLF-0E26	12640017	113,00
	Red	CSW-BIDLF-1E26	12640038	113,00
	Green	CSW-BIDLF-2E26	12640039	113,00
	Yellow	CSW-BIDLF-3E26	12640040	113,00
	Blue	CSW-BIDLF-4E26	12640041	113,00
110-130 V ac/dc	White	CSW-BIDLF-0E10	13899138	117,00
	Red	CSW-BIDLF-1E10	13899139	117,00
	Green	CSW-BIDLF-2E10	13899140	117,00
	Yellow	CSW-BIDLF-3E10	13899141	117,00
	Blue	CSW-BIDLF-4E10	13899142	117,00
220-240 V ac	White	CSW-BIDLF-0D66	12640053	113,00
	Red	CSW-BIDLF-1D66	12640054	113,00
	Green	CSW-BIDLF-2D66	12640055	110,00
	Yellow	CSW-BIDLF-3D66	12640056	117,00
	Blue	CSW-BIDLF-4D66	12640057	117,00

BLUE FLANGE AND ACCESSORIES



PLATE HOLDER WITHOUT INSCRIPTION PLATE

SIZE	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
30x50	5	PP30	11427388	41,00
34x83		PP60	11427391	41,00



Emergency plate

OTHER PLATES

IDIOM	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
English	5	APE-02-ENG	11315980	87,00

CONTROL STATIONS PBW



CONTROL STATIONS PBW - UL TYPE 4X /CE IP66

HOLES	COVER COLOUR	TYPE	STOCK CODE	PRICE EACH (ZAR)
1	Yellow	PBW-1Y	12204334	237,00
1	Grey	PBW-1	12204335	237,00
2	Grey	PBW-2	12204336	278,00
3	Grey	PBW-3	12204337	320,00

PBW LINE ACCESSORIES



CONTACT BLOCKS

DESCRIPTION	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
Single (1NO)	1	BC10B-CSW	12174856	40,00
Single (1NC)		BC01B-CSW	12174857	40,00



INTEGRATED LED BLOCK

VOLTAGE	COLOUR	TYPE	STOCK CODE	PRICE EACH (ZAR)
24 V ac/dc	White	CSW-BIDLB-0E26	12195847	119,00
	Red	CSW-BIDLB-1E26	12195918	119,00
	Green	CSW-BIDLB-2E26	12195919	119,00
	Yellow	CSW-BIDLB-3E26	12195920	119,00
	Blue	CSW-BIDLB-4E26	12195921	119,00
110-130 V ac/dc	White	CSW-BIDLB-0E10	13899143	122,00
	Red	CSW-BIDLB-1E10	13899144	122,00
	Green	CSW-BIDLB-2E10	13899146	122,00
	Yellow	CSW-BIDLB-3E10	13899147	122,00
	Blue	CSW-BIDLB-4E10	13899190	122,00
220-240 V ac	White	CSW-BIDLB-0D66	12196008	119,00
	Red	CSW-BIDLB-1D66	12196009	119,00
	Green	CSW-BIDLB-2D66	12196010	119,00
	Yellow	CSW-BIDLB-3D66	12196011	119,00
	Blue	CSW-BIDLB-4D66	12196012	119,00

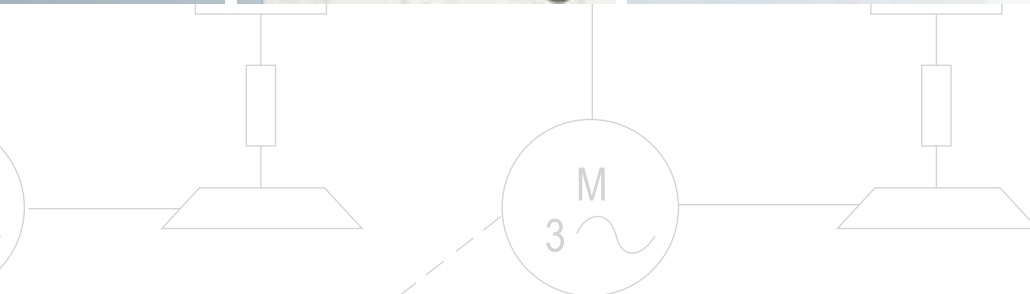
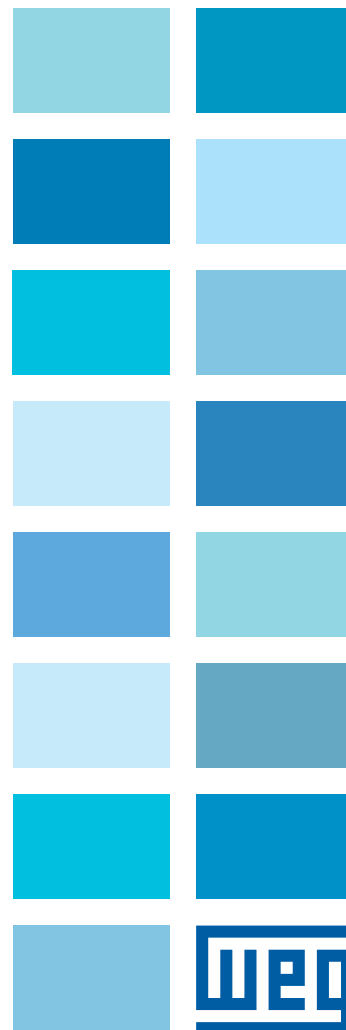
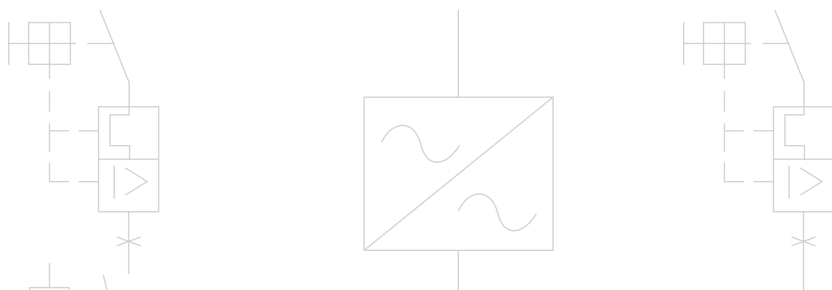
Note 1) Product without UL certification, CE only.

NOTES

A series of horizontal dotted lines for taking notes.

AUTOMATION

BOOK 3 - CIRCUIT PROTECTION



SUMMARY

Molded Case Circuit-Breakers - DWB Distribution - 3-Pole	3-4
Molded Case Circuit-Breakers - DWB Distribution and Generator Protection - 3-Pole	3-7
Molded Case Circuit-Breakers - DWA Distribution and Generator Protection - 3-Pole	3-7
Accessories for Molded Case Circuit-Breakers DWB	3-8
Accessories for Molded Case Circuit-Breakers DWA	3-9
Accessories for Molded Case Circuit-Breakers DWA & DWB	3-9
Molded Case Circuit Breaker - ACW + Accessories for Molded - ACW	3-12
Air Circuit Breaker - ABWC	3-15
Air Circuit Breaker Accessories - ABWC	3-16
Air Circuit Breaker - ABW	3-20
Air Circuit Breaker Accessories - ABW	3-21
Miniature Circuit-Breakers	3-24
Switches	3-32
MDA line	3-33
aR Fuse Type "NH" Blade Contact	3-34
gL/gG Fuse Type "NH" Blade Contact	3-35
aR Fuses Type "NH" Flush-End	3-36
Fuse Type "NH" Blade Contact and Accessories	3-36
Fuse-Switch-Disconnectors and Accessories - FSW	3-37
Panel Door Mounting Switch-Disconnectors and Accessories - MSW	3-37
Base Mounting Switch-Disconnectors and Accessories - MSW	3-38
PFW - Power Factor Controller	3-40
Accessories	3-40



MOLDED CASE CIRCUIT-BREAKERS - DWB DISTRIBUTION - 3-POLE

FIXED THERMAL AND MAGNETIC RELEASES - DWB160



LOW BREAKING CAPACITY DWB160B - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380 V	440 V		
DWB160B16-3DX	16	25	18	10	11339625	2061,00
DWB160B20-3DX	20	25	18	10	11339626	2061,00
DWB160B25-3DX	25	25	18	10	11339627	2061,00
DWB160B32-3DX	32	25	18	10	11339638	2061,00
DWB160B40-3DX	40	25	18	10	11339640	2061,00
DWB160B50-3DX	50	25	18	10	11339641	2061,00
DWB160B63-3DX	63	25	18	10	11339642	2061,00
DWB160B70-3DX	70	25	18	10	11339643	2061,00
DWB160B80-3DX	80	25	18	10	11339644	2061,00
DWB160B90-3DX	90	25	18	10	11339645	2061,00
DWB160B100-3DX	100	25	18	10	11322258	2061,00
DWB160B110-3DX	110	25	18	10	11339646	2164,00
DWB160B125-3DX	125	25	18	10	11339647	2164,00
DWB160B150-3DX	150	25	18	10	11339658	2164,00
DWB160B160-3DX	160	25	18	10	11339659	2164,00

NORMAL BREAKING CAPACITY DWB160N - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440 V		
DWB160N40-3DX	40	50	30	20	11339698	2267,00
DWB160N50-3DX	50	50	30	20	11339699	2267,00
DWB160N63-3DX	63	50	30	20	11339700	2267,00
DWB160N70-3DX	70	50	30	20	11339701	2267,00
DWB160N80-3DX	80	50	30	20	11339702	2267,00
DWB160N90-3DX	90	50	30	20	11339703	2267,00
DWB160N100-3DX	100	50	30	20	11339704	2267,00
DWB160N110-3DX	110	50	30	20	11339705	2370,00
DWB160N125-3DX	125	50	30	20	11339706	2370,00
DWB160N150-3DX	150	50	30	20	11339707	2370,00
DWB160N160-3DX	160	50	30	20	11339718	2370,00

Note: Article numbers for 2-Pole MCCBs upon request. For prices, consider the 2-Pole MCCB 15% cheaper than its respective 3-Pole version.

MOLDED CASE CIRCUIT-BREAKERS - DWB DISTRIBUTION - 3-POLE

ADJUSTABLE THERMAL AND FIXED MAGNETIC RELEASES - DWB160



LOW BREAKING CAPACITY DWB160B - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380 V	440 V		
DWB160B40-3DF	32...40	25	18	10	11631355	2164,00
DWB160B50-3DF	40...50	25	18	10	11631358	2164,00
DWB160B63-3DF	50...63	25	18	10	11631361	2164,00
DWB160B80-3DF	64...80	25	18	10	11631364	2164,00
DWB160B100-3DF	80...100	25	18	10	11631367	2164,00
DWB160B125-3DF	100...125	25	18	10	11631380	2370,00
DWB160B160-3DF	128...160	25	18	10	11631383	2370,00

NORMAL BREAKING CAPACITY DWB160N - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440 V		
DWB160N40-3DF	32...40	50	30	20	11631362	2370,00
DWB160N50-3DF	40...50	50	30	20	11631363	2370,00
DWB160N63-3DF	50...63	50	30	20	11631365	2370,00
DWB160N80-3DF	64...80	50	30	20	11631366	2370,00
DWB160N100-3DF	80...100	50	30	20	11631378	2370,00
DWB160N125-3DF	100...125	50	30	20	11631379	2473,00
DWB160N160-3DF	128...160	50	30	20	11631381	2473,00

ADJUSTABLE THERMAL AND FIXED MAGNETIC RELEASES - DWB250



LOW BREAKING CAPACITY DWB250B - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380 V	440 V		
DWB250B100-3DF	80...100	40	18	15	11339768	3297,00
DWB250B125-3DF	100...125	40	18	15	11339769	3297,00
DWB250B160-3DF	125...160	40	18	15	11339770	3297,00
DWB250B200-3DF	160...200	40	18	15	11339772	3503,00
DWB250B250-3DF	200...250	40	18	15	11339773	3503,00

NORMAL BREAKING CAPACITY DWB250N - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440 V		
DWB250N100-3DF	80...100	80	36	30	11339775	3627,00
DWB250N125-3DF	100...125	80	36	30	11339776	3627,00
DWB250N160-3DF	125...160	80	36	30	11339777	3627,00
DWB250N200-3DF	160...200	80	36	30	11339798	3854,00
DWB250N250-3DF	200...250	80	36	30	11339799	3854,00

Note: Article numbers for 2-Pole MCCBs upon request. For prices, consider the 2-Pole MCCB 15% cheaper than its respective 3-Pole version.

MOLDED CASE CIRCUIT-BREAKERS - DWB DISTRIBUTION - 3-POLE

ADJUSTABLE THERMAL AND MAGNETIC RELEASES - DWB400



NORMAL BREAKING CAPACITY DWB400N - 3-POLE

TYPE	RATED CURRENT (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWB400N200-3DA	160...200	1.000...2.000	40	35	35	12534150	7934,00
DWB400N250-3DA	200...250	1.250...2.500	40	35	35	12534149	7934,00
DWB400N320-3DA	250...320	1.600...3.200	40	35	35	12534148	9067,00
DWB400N400-3DA	320...400	2.000...4.000	40	35	35	12534127	9067,00

HIGH BREAKING CAPACITY DWB400H - 3-POLE

TYPE	RATED CURRENT (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWB400H200-3DA	160...200	1.000...2.000	80	50	50	12534122	9067,00
DWB400H250-3DA	200...250	1.250...2.500	80	50	50	12534121	9067,00
DWB400H320-3DA	250...320	1.600...3.200	80	50	50	12534120	9747,00
DWB400H400-3DA	320...400	2.000...4.000	80	50	50	12534106	9747,00

ADJUSTABLE THERMAL AND MAGNETIC RELEASES - DWB800



NORMAL BREAKING CAPACITY DWB800S - 3-POLE

TYPE	RATED CURRENT (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWB800S-320-3DA	256...320	2.560...3.200	65	50	42	13467830	10872,00
DWB800S-400-3DA	320...400	3.200...4.000	65	50	42	13467831	10872,00
DWB800S-500-3DA	350...500	3.500...5.000	65	50	42	13467833	10872,00
DWB800N-630-3-DA	440...630	4.400...6.300	65	50	42	13467879	12321,00
DWB800N-800-3-DA	560...800	5.600...8.000	65	50	42	13467880	20901,00

HIGH BREAKING CAPACITY DWB800H - 3-POLE

TYPE	RATED CURRENT (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWB800H320-3DA	256...320	2.560...3.200	80	65	50	13467899	11254,00
DWB800H400-3DA	320...400	3.200...4.000	80	65	50	13467902	11254,00
DWB800H500-3DA	350...500	3.500...5.000	80	65	50	13467904	11254,00
DWB800H630-3DA	440...630	4.400...6.300	80	65	50	13467905	12754,00
DWB800H800-3DA	560...800	5.600...8.000	80	65	50	13467906	22507,00

Note: Article numbers for 2-Pole MCCBs upon request. For prices, consider the 2-Pole MCCB 15% cheaper than its respective 3-Pole version.

MOLDED CASE CIRCUIT-BREAKERS - DWB DISTRIBUTION AND GENERATOR PROTECTION - 3-POLE

ELECTRONIC TRIP UNIT LSI - DWB1000



NORMAL BREAKING CAPACITY DWB1000S - 3-POLE

TYPE	RATED CURRENT (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWB1000S500-3ET	200...500	2.500...5.000	65	50	42	13468912	23229,00
DWB1000S630-3ET	252...630	3.150...6.300	65	50	42	13468913	23229,00
DWB1000S800-3ET	320...800	4.000...8.000	65	50	42	13468914	23229,00
DWB1000S1000-3ET	400...1000	5.000...10.000	65	50	42	13468915	23682,00

HIGH BREAKING CAPACITY DWB1000H - 3-POLE

TYPE	RATED CURRENT (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWB1000H500-3ET	200...500	2.500...5.000	80	65	50	13468930	25014,00
DWB1000H630-3ET	252...630	3.150...6.300	80	65	50	13468931	25014,00
DWB1000H800-3ET	320...800	4.000...8.000	80	65	50	13468932	25014,00
DWB1000H1000-3ET	400...1000	5.000...10.000	80	65	50	13468934	25502,00

MOLDED CASE CIRCUIT-BREAKERS - DWA DISTRIBUTION AND GENERATOR PROTECTION - 3-POLE

ELECTRONIC TRIP UNIT LSI - DWA1600



NORMAL BREAKING CAPACITY DWA1600S - 3-POLE

TYPE	I_n (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWA1600S-E1250-3	500...1.250	6.250...12.500	80	50	50	12282712	31354,00
DWA1600S-E1600-3	640...1.600	8.000...16.000	80	50	50	11968153	37944,00

HIGH BREAKING CAPACITY DWA1600H - 3-POLE

TYPE	I_n (A)	I_m (A)	IEC 60947-2 - I_{cu} (kA)			STOCK CODE	PRICE EACH (ZAR)
			220-240 V	380-415 V	440 V		
DWA1600H-E1250-3	500...1.250	6.250...12.500	100	65	65	12282714	34988,00
DWA1600H-E1600-3	640...1.600	8.000...16.000	100	65	65	12282713	39941,00

Note: Article numbers for 2-Pole MCCBs upon request. For prices, consider the 2-Pole MCCB 15% cheaper than its respective 3-Pole version.

ACCESSORIES FOR MOLDED CASE CIRCUIT-BREAKERS DWB

INTERNAL ACCESSORIES



AUXILIARY CONTACT

TYPE	CONTACT	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
BC-1 DWB	1NO/NC	DWB160 / DWB250 / DWB400 - 3P / 4P	10848664	799,00
BC-2 DWB	2NO/NC	DWB160 / DWB250 / DWB400 - 3P / 4P	11026395	999,00

Note: 1) Check sales launching date.

INTERNAL ACCESSORIES



UNDERVOLTAGE RELEASE

TYPE	CIRCUIT-BREAKER	STOCK CODE				PRICE EACH (ZAR)
		E26 (24 V)	E27 (48 V)	E10 (110-130 V)	E15 (220-250 V)	
BS DWB160-250 ▲	DWB160 / DWB250 - 3P / 4P	11338330	11338318	11338324	10853866	1299,00

TYPE	CIRCUIT-BREAKER	STOCK CODE				PRICE EACH (ZAR)
		D60 (110-127 V)	D66 (220-240 V)	D70 (380-415 V)	D74 (440-480 V)	
BS DWB400 ▲	DWB400 - 3P / 4P	12687427	12687479	12687480	12687481	1522,00
BS DWB800-1000 ▲	DWB800 / DWB1000 - 3P / 4P	13421493	13421489	13421495	13421496	1600,00

SHUNT TRIP

TYPE	CIRCUIT-BREAKER	STOCK CODE				PRICE EACH (ZAR)
		E26 (24 V)	E27 (48 V)	E10 (110-130 V)	E15 (220-250 V)	
BD DWB160-250 ▲	DWB160 / DWB250 - 3P / 4P	11338271	11338248	11338254	10850989	1199,00
BD DWB400 ▲	DWB400 - 3P / 4P	12687485	12687486	12687482	12687483	1461,00
BD DWB800-1000 ▲	DWB800 / DWB1000 - 3P / 4P	13421393	13421394	13421391	13421392	1461,00

Note: Article numbers for other rated voltages and frequencies upon request.
 3P means 3-Pole MCCB. / 4P means 4-Pole MCCB.
 ▲ - Smart code of the rated voltage.

ACCESSORIES FOR MOLDED CASE CIRCUIT-BREAKERS DWA

INTERNAL ACCESSORIES

AUXILIARY CONTACT

TYPE	CONTACT	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
BC-1 DWA1600	1NO/NC	DWA1600 3P / 4P	10046832	864,00
BC-2 DWA1600	2NO/NC	DWA1600 3P / 4P	10046833	1312,00
BC-3 DWA1600	3NO/NC	DWA1600 3P / 4P	10046834	1584,00

ALARM CONTACT

TYPE	CONTACT	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
AL-1 DWA800-1600	1NO/NC / 1NA/NC	DWA800 / DWA1600 - 3P / 4P	10186511	928,00

Note: It is not possible to install both BC and AL blocks individually into the circuit-breaker. Consider using BCAL blocks below.

AUXILIARY CONTACT + ALARM CONTACT

TYPE	CONTACT	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
BCAL-2 DWA1600	1NO/NC (BC) + 1NO/NC (AL)	DWA1600 3P / 4P	11648561	3228,00
BCAL-3 DWA1600	2NO/NC (BC) + 1NO/NC (AL)	DWA1600 3P / 4P	11648787	4504,00

UNDERVOLTAGE RELEASE

TYPE	CIRCUIT-BREAKER	STOCK CODE				PRICE EACH (ZAR)
		D60 (110-127 V)	D66 (220-240 V)	D70 (380-415 V)	D74 (440-480 V)	
BS ▲ DWA1600	DWA1600 3P / 4P	10046787	10046727	10046726	10046762	1600,00

TYPE	CIRCUIT-BREAKER	STOCK CODE			PRICE EACH (ZAR)
		C03 (24 V)	C07 (48 V)	C13 (125 V)	
BS ▲ DWA1600	DWA1600 3P / 4P	10046785	10046786	10212462	1600,00

SHUNT TRIP

TYPE	CIRCUIT-BREAKER	STOCK CODE				PRICE EACH (ZAR)
		E26 (24 V)	E27 (48 V)	E10 (110-130 V)	E15 (220-250 V)	
BD ▲ DWA1600	DWA1600 3P / 4P	10046782	10046783	10046725	10046724	1461,00

Note: Article numbers for other rated voltages and frequencies upon request.

▲ - Smart code of the rated voltage.

ACCESSORIES FOR MOLDED CASE CIRCUIT-BREAKERS DWA & DWB

EXTERNAL ACCESSORIES

PHASE BARRIERS

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
PB DWB160-250 3P	DWB160 3P / DWB250 3P	12403111	80,00
PB DWB400 3P	DWB400 3P	12731651	88,00

Note: 3P - 2 pieces for line or load side.

4P - 3 pieces for line or load side.

ACCESSORIES FOR MOLDED CASE CIRCUIT-BREAKERS DWA & DWB

EXTERNAL ACCESSORIES



ESCUTCHEONS

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
MP DWB160	DWB160 3P	11338525	34,00
MP DWB250	DWB250 3P	11338526	34,00
MP DWB400	DWB400 3P / 4P	12730041	60,00
MP DWB800-1600	DWB800 / DWB1000	13471876	60,00



STRAIGHT EXTENSION BARS (OR TERMINAL TAGS)

TYPE	CIRCUIT-BREAKER	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
BE DWB160 3P	DWB160 3P	3	11279346	379,00
BE DWB250 3P	DWB250 3P	3	11279347	1007,00
BE DWB400 3P	DWB400 3P	3	12730070	1355,00
BE DWB800-1000 3P	DWB800 / 1000 3P	3	13471872	1681,00
BE DWA1600	DWA1600 3P	3	10046553	2118,00

PANEL DOOR OPERATING HANDLES



Selector type



Pistol type

COMPLETE SET

TYPE	CIRCUIT-BREAKER	HANDLE (mm)	SHAFT (mm)	STOCK CODE	PRICE EACH (ZAR)
MRXS-A-DWB160-BU	DWB160	Selector	460	13624517	1398,00
MRXS-A-DWB160-R	DWB160	Selector	460	13624516	1398,00
MRXS-A-DWB250-R	DWB250	Selector	460	13624549	1498,00
MRXS-A-DWB250-BU	DWB250	Selector	460	13624550	1498,00
MRXL-A-DWB160-BU	DWB160	Pistol (105)	460	13624553	1798,00
MRXL-A-DWB160-R	DWB160	Pistol (105)	460	13624551	1798,00
MRXL-A-DWB250-BU	DWB250	Pistol (105)	460	13624611	1898,00
MRXL-A-DWB250-R	DWB250	Pistol (105)	460	13624610	1898,00
MRXL-A-DWB400-BU	DWB400	Pistol (105)	460	13624613	2197,00
MRXL-A-DWB400-R	DWB400	Pistol (105)	460	13624612	2197,00
MRXL-A-DWB1000-BU	DWB800 / DWB1000	Pistol (158)	460	13624617	2497,00
MRXL-A-DWB1000-R	DWB800 / DWB1000	Pistol (158)	460	13624616	2497,00
MRXL-A-DWB1600-BU	DWA1600	Pistol (158)	460	13624629	2497,00
MRXL-A-DWB1600-R	DWA1600	Pistol (158)	460	13624628	2497,00

ACCESSORIES FOR MOLDED CASE CIRCUIT-BREAKERS DWA & DWB

EXTERNAL ACCESSORIES



MECHANICAL INTERLOCK

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
BLIM DWB160 3P	DWB160 3P	11639815	1315,00
BLIM DWB250 3P	DWB250 3P	11639817	1315,00
BLIM DWB400 3P	DWB400 3P	12729996	1315,00
BLIM DWB800-1600 3P	DWB800 / 1000 3P	13471814	1315,00
BLIM DWA1600 3P	DWA1600 3P	10046798	1315,00



PADLOCKING DEVICE

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
PL DWB160 3P	DWB160 3P	11217445	438,00
PL DWB250	DWB250 3P	11640142	438,00
PL DWB400	DWB400 3P / 4P	11217482	755,00
PL DWB800-1600	DWB800 / 1000 3P / 4P	13471813	755,00
PLW1600	DWA1600 3P/4P	11640144	755,00

MOTOR OPERATOR

TYPE	CIRCUIT-BREAKER	STOCK CODE		PRICE EACH (ZAR)
		E29 (110 V AC/DC)	E46 (230 V AC/DC)	
AM DW400 ▲	DWB400	15505489	15506644	12135,00
AM DW800-1600 ▲	DWB800 DWB1000 DWB1600	14861645	14861647	19593,00

Note: ▲ Must be replaced by the control voltage code.

MOLDED CASE CIRCUIT BREAKER - ACW + ACCESSORIES FOR MOLDED - ACW

CIRCUIT BREAKERS FOR ELECTRICAL CIRCUIT PROTECTION



HIGH BREAKING CAPACITY ACW - 20 TO 800 A - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} = I _{cs} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440-460 V		
ACW100H-FMU20-3	20	100	85	70	11111144	5026,00
ACW100H-FMU25-3	25	100	85	70	11111170	5026,00
ACW100H-FMU32-3	32	100	85	70	11111172	5026,00
ACW100H-FMU40-3	40	100	85	70	11111173	5026,00
ACW100H-FMU50-3	50	100	85	70	11111174	5026,00
ACW100H-FMU63-3	63	100	85	70	11111175	5026,00
ACW100H-FMU80-3	80	100	85	70	11111176	5026,00
ACW100H-FMU100-3	100	100	85	70	11111177	5026,00
ACW160H-FMU125-3	125	100	85	70	11111219	7945,00
ACW160H-FMU160-3	160	100	85	70	11111221	7945,00
ACW250H-ATU200-3	200	120	85	70	11111344	13074,00
ACW250H-ATU250-3	250	120	85	70	11111342	14081,00
ACW400H-ETS400-3	400	120	85	70	11111394	24006,00
ACW630H-ETS630-3	630	120	85	70	11111408	28738,00
ACW800U-ETS800-3	800	120	100	100	10583696	44998,00
ACW1600H-AG1800-3	800	75	70	65	12733275	41615,00
ACW1600H-AG11000-3	1	75	70	65	12733276	45155,00
ACW1600H-AG11250-3	1.25	75	70	65	12733277	50853,00
ACW1600H-AG11600-3	1.6	75	70	65	12733328	53530,00

VERY HIGH BREAKING CAPACITY ACW - 20 TO 630 A - 3-POLE¹⁾

TYPE	I _n (A)	IEC 60947-2 - I _{cu} = I _{cs} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440-460 V		
ACW100V-FMU20-3	20	200	150	130	10583682	6871,00
ACW100V-FMU25-3	25	200	150	130	10583683	6871,00
ACW100V-FMU32-3	32	200	150	130	10583684	6871,00
ACW100V-FMU40-3	40	200	150	130	10583691	6871,00
ACW100V-FMU50-3	50	200	150	130	10583685	6871,00
ACW100V-FMU63-3	63	200	150	130	10583686	6871,00
ACW100V-FMU80-3	80	200	150	130	10583687	6871,00
ACW100V-FMU100-3	100	200	150	130	10583688	6871,00
ACW160V-FMU125-3	125	200	150	130	10583689	10861,00
ACW160V-FMU160-3	160	200	150	130	10583690	10861,00
ACW250V-ATU200-3	200	200	150	130	10583692	17873,00
ACW250V-ATU250-3	250	200	150	130	10583693	19251,00
ACW400V-ETS400-3	400	200	150	130	10583694	32819,00
ACW630V-ETS630-3	630	200	150	130	10583695	39287,00
ACW1600V-AG1800-3	800	200	150	130	12733329	56552,00
ACW1600V-AG11000-3	1.000	200	150	130	12733330	58365,00

Note: 1) Availability upon request.
ACW UL Listed upon request.

MOLDED CASE CIRCUIT BREAKER - ACW + ACCESSORIES FOR MOLDED - ACW

CIRCUIT BREAKERS FOR MOTOR BRANCH CIRCUIT PROTECTION

HIGH BREAKING CAPACITY ACW - 20 TO 500 A - 3-POLE

TYPE	I _n (A)	IEC 60947-2 - I _{cu} = I _{cs} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440-460 V		
ACW101H-MTU20-3	20	120	85	70	11111283	6630,00
ACW101H-MTU50-3	50	120	85	70	11111306	6630,00
ACW101H-MTU100-3	100	120	85	70	11111301	6630,00
ACW161H-MTU160-3	160	120	85	70	11111266	9811,00
ACW250H-MTU220-3	220	120	85	70	11111388	11968,00
ACW400H-MTU320-3	320	120	85	70	11111396	18688,00
ACW630H-MTU500-3	500	120	85	70	11111406	25245,00
ACW800U-MTU630-3	630	120	100	100	10940149	37898,00

VERY HIGH BREAKING CAPACITY ACW 20 TO 220 A - 3-POLE¹⁾

TYPE	I _n (A)	IEC 60947-2 - I _{cu} = I _{cs} (kA)			STOCK CODE	PRICE EACH (ZAR)
		220-240 V	380-415 V	440-460 V		
ACW101V-MTU20-3	20	200	150	130	10583697	8624,00
ACW101V-MTU50-3	50	200	150	130	10583699	8624,00
ACW101V-MTU100-3	100	200	150	130	10583701	8624,00
ACW161V-MTU160-3	160	200	150	130	10583702	16291,00
ACW250V-MTU220-3	220	200	150	130	10583703	19251,00
ACW400V-MTU320-3	320	200	150	130	10940133	43493,00
ACW630V-MTU500-3	500	200	150	130	10940135	44587,00

Note: 1) Availability upon request.

ACCESSORIES

AUXILIARY CONTACT

TYPE	CONTACT	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
BC-1 ACW100-800	1 REV	ACW100-800	10583677	506,00
BC-1 ACW1600	1 REV	ACW1600	12733489	492,00

ALARM CONTACT

TYPE	CONTACT	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
AL-1 ACW100-800	1 REV	ACW100-800	10583678	506,00
AL-1 ACW1600	1 REV	ACW1600	12733490	492,00

SHUNT RELEASE

TYPE	CIRCUIT-BREAKER	VOLTAGE	STOCK CODE	PRICE EACH (ZAR)
BD E10 ACW100-800	ACW100-800	110-130 V ac/dc	10583679	1151,00
BD E44 ACW100-800	ACW100-800	200-240 V ac / 250 V dc	10583680	1151,00
BD ACW100-800 E26	ACW100-800	24 V ac/dc	10692976	1151,00
BD ACW1600 C28	ACW1600	24-30 V dc	12733492	1119,00
BD ACW1600 E58	ACW1600	48 V ac / 48-60 V dc	12733494	1119,00
BD ACW1600 E10	ACW1600	110-130 V ac/dc	12733495	1119,00
BD ACW1600 E12	ACW1600	200-240 V ac/dc	12733496	1119,00
BD ACW1600 D85	ACW1600	380-460 V ac	12733497	1119,00

MOLDED CASE CIRCUIT BREAKER - ACW + ACCESSORIES FOR MOLDED - ACW

ACCESSORIES

UNDERVOLTAGE RELEASE

TYPE	CIRCUIT-BREAKER	VOLTAGE	STOCK CODE	PRICE EACH (ZAR)
BS ACW100-800 E10	ACW100-800	110-130 V ac/dc	10583681	1623,00
BS ACW100-800 E44	ACW100-800	200-240 V ac / 250 V dc	10583660	1623,00
BS ACW100-800 D71	ACW100-800	380-440 V ac	10583654	1623,00
BS ACW100-800 D74	ACW100-800	440-480 V ac	10583655	1623,00
BS ACW1600 C28	ACW1600	24-30 V dc	12733528	1578,00
BS ACW1600 E58	ACW1600	48 V ac / 48-60 V dc	12733529	1578,00
BS ACW1600 E10	ACW1600	110-130 V ac/dc	12733530	1578,00
BS ACW1600 E12	ACW1600	200-240 V ac/dc	12733531	1578,00
BS ACW1600 D85	ACW1600	380-460 V ac	12733532	1578,00



MRXS



MRXL



MRXL

PANEL DOOR OPERATING HANDLES - COMPLETE SET

TYPE	CIRCUIT-BREAKER	HANDLE (mm)	SHAFT (mm)	STOCK CODE	PRICE EACH (ZAR)
MRXS-A-ACW160-BU	ACW100 / ACW160	Selector	460	13624663	1227,00
MRXS-A-ACW160-R	ACW100 / ACW160	Selector	460	13624662	1227,00
MRXS-A-ACW250-BU	ACW101 / ACW161 / ACW250	Selector	460	13993764	1321,00
MRXS-A-ACW250-R	ACW101 / ACW161 / ACW250	Selector	460	13993766	1321,00
MRXL-A-ACW160-BU	ACW100 / ACW160	Pistol (105)	460	13993848	1604,00
MRXL-A-ACW160-R	ACW100 / ACW160	Pistol (105)	460	13993849	1604,00
MRXL-A-ACW250-BU	ACW101 / ACW161 / ACW250	Pistol (105)	460	13993853	1698,00
MRXL-A-ACW250-R	ACW101 / ACW161 / ACW250	Pistol (105)	460	13993870	1698,00
MRXL-A-ACW630-BU	ACW400 / ACW630	Pistol (158)	460	13993877	2453,00
MRXL-A-ACW630-R	ACW400 / ACW630	Pistol (158)	460	13993928	2453,00
MRXL-A-ACW800-BU	ACW800	Pistol (158)	460	13993929	2830,00
MRXL-A-ACW800-R	ACW800	Pistol (158)	460	13993930	2830,00
MR469 ACW1600	ACW1600	Double Pistol	469	12733535	6238,00



AIR CIRCUIT BREAKER - ABWC

COMPACT AIR CIRCUIT BREAKERS

FIXED 3-POLE + OPENING AND CLOSING COILS 200...250 V AC/DC¹⁾

TYPE	I _n (A) OVERLOAD RANGE (A)	PROTECTION TYPE	FRAME SIZE	CONNECTION TYPE	I _{cs} (kA) 480 V	STOCK CODE	PRICE EACH
						50 Hz	(ZAR)
ABWC08DN3-08AZ6F-C0220	320...800	LSIG	ABWC 08-16	Rear	42	15341084	41101,00
ABWC16DN3-16AZ6F-C0220	640...1600	LSIG	ABWC 08-16	Rear	42	15341086	49926,00
ABWC08DN3-08AZ6FF-C0220	320...800	LSIG	ABWC 08-16	Front	42	15341087	29175,00
ABWC16DN3-16AZ6FF-C0220	640...1600	LSIG	ABWC 08-16	Front	42	15341168	34512,00

FIXED 3-POLE + OPENING AND CLOSING COILS 24...60 V DC¹⁾

TYPE	I _n (A) OVERLOAD RANGE (A)	PROTECTION TYPE	FRAME SIZE	CONNECTION TYPE	I _{cs} (kA) 480 V	STOCK CODE	PRICE EACH
						50 Hz	(ZAR)
ABWC08DN3-08AZ2FF-C0330	320...800	LSIG	ABWC 08-16	Front	42	15520971	29175,00
ABWC16DN3-16AZ2FF-C0330	640...1600	LSIG	ABWC 08-16	Front	42	15520973	39935,00

WITHDRAWABLE 3-POLE + OPENING AND CLOSING COILS 200...250 V AC/DC¹⁾

TYPE	I _n (A) OVERLOAD RANGE (A)	PROTECTION TYPE	FRAME SIZE	CONNECTION TYPE	I _{cs} (kA) 480 V	STOCK CODE	PRICE EACH
						50 Hz	(ZAR)
ABWC08DN3-08AZ6E-C0220	320...800	LSIG	ABWC 08-16	Rear	42	15341169	57921,00
ABWC16DN3-16AZ6E-C0220	640...1600	LSIG	ABWC 08-16	Rear	42	15341170	69063,00

Note: 1) Standard accessories:

Protection unit ABW-AZ_.

Input voltage 100...250 V ac/dc.

Current measurement per phase.

Chronologic register of 10 faults.

Auxiliary contacts (5NO + 5NC).

Alarm contacts (3NO).

Operations counter.

2) Standard accessories (withdrawable):

Keylock position lock.

Position indicator (Connected / Test / Disconnected).

◆ - Fill in with the motorized operation voltage code (automatic spring charge).

■ - Fill in with the closing and opening coil voltage code.

▲ - Fill in with the power input frequency - 6 = 50 Hz; 1 = 60 Hz.

◆ MOTOR OPERATION	■ COIL
CODE	
0 - W/o Mot. Op.	0 - Without coil
1 - 100...130 V ac/dc	1 - 100...130 V ac/dc
2 - 200...250 V ac/dc	2 - 200...250 V ac/dc
3 - 24...30 V dc	3 - 24...30 V dc
4 - 48...60 V ac/dc	
5 - 480 V ac	

AIR CIRCUIT BREAKER ACCESSORIES - ABWC

FACTORY-ASSEMBLED ACCESSORIES



UNDER VOLTAGE COIL¹⁾

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABW-UVT C34	ABWC 08-16	24-30 V dc	11193882	2280,00
ABW-UVT E27	ABWC 08-16	48 V ac/ca / V dc	11193883	2280,00
ABW-UVT E10	ABWC 08-16	110-130 V ac / V dc	11193884	2280,00
ABW-UVT E12	ABWC 08-16	200-250 V ac / V dc	11193888	2280,00
ABW-UVT E55	ABWC 08-16	380-480 V ac / V dc	11193854	2280,00

Note: Example: Circuit breaker with instantaneous under voltage coil @ 200...250 V ac/dc: ABWC16DN4-16AZ1E-A0222



POSITION AUXILIARY CONTACTS (WITHDRAWABLE CIRCUIT BREAKERS)¹⁾

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
ABWC-BC4	ABWC 08-16	14802712	4326,00

Note: Example: Withdrawable circuit breaker with position auxiliary contacts: ABWC16DN4-16AZ1E-B0220



MECHANICAL INTERLOCK¹⁾

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
ABWC-IM1 2D/F	ABWC 08-16	14802487	21350,00
ABWC-IM1 3D/F	ABWC 08-16	14802509	47450,00

Note: Example: Changeover using 2 withdrawable ACBs with mechanical interlock: ABWC16DN4-16AZ1E-A0220M



DOOR INTERLOCK¹⁾

TYPE	CIRCUIT-BREAKER	STOCK CODE	PRICE EACH (ZAR)
ABWC-DI	ABWC 08-16	14805726	2120,00

Note: Example: Circuit breaker with door interlock: ABWC16DN4-16AZ1E-A0220D

Note: 1) These acc. are assembled in the factory. Include the price in the ACB's price and request the ACB's code with the assembled acc.

AIR CIRCUIT BREAKER ACCESSORIES - ABWC

FACTORY-ASSEMBLED ACCESSORIES**MOTOR OPERATOR**

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABWC-AM E10	ABWC 08-16	100-130 Vac/dc	14794817	9839,00
ABWC-AM E12	ABWC 08-16	200...250 Vac/dc	14794848	9839,00
ABWC-AM C34	ABWC 08-16	24...30 Vdc	14794850	9839,00

CLOSING COIL

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABWC-BF C34	ABWC 08-16	24...30 Vdc	11193568	3240,00
ABWC-BF E10	ABWC 08-16	110...130 Vac/Vdc	11193789	3240,00
ABWC-BF E12	ABWC 08-16	200...250 Vac/Vdc	11193790	3240,00
ABWC-BF E27	ABWC 08-16	48...60 Vdc	11193767	3240,00

OPENING COIL (SHUNT TRIP)

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABWC-BF C34	ABWC 08-16	24...30 Vdc	11193796	3240,00
ABWC-BF E10	ABWC 08-16	110...130 Vac/Vdc	11193879	3240,00
ABWC-BF E12	ABWC 08-16	200...250 Vac/Vdc	11193880	3240,00
ABWC-BF E27	ABWC 08-16	48...60 Vdc	11193875	3240,00



AIR CIRCUIT BREAKER ACCESSORIES - ABWC

FIELD-ASSEMBLED ACCESSORIES



MODBUS COMMUNICATION MODULE

TYPE	CIRCUIT-BREAKER	PROTOCOL	ARTICLE NR.	PRICE EACH (ZAR)
ABW-CM ¹⁾	ABWC 08-16	Modbus	11193398	40871,00

PROFIBUS COMMUNICATION MODULE²⁾

TYPE	CIRCUIT-BREAKER	PROTOCOL	ARTICLE NR.	PRICE EACH (ZAR)
ABW-CP	ABWC 08-16	Profibus	11193400	68062,00



UNDERVOLTAGE MODULE WITH TIMER 3S³⁾

TYPE	ACB	VOLTAGE (V)	ARTICLE NR.	PRICE EACH (ZAR)
ABW-UDC E27	ABWC 08-16	48 V ac / V dc	11193406	3936,00
ABW-UDC E10	ABWC 08-16	110-130 V ac / V dc	11193451	3936,00
ABW-UDC E12	ABWC 08-16	200-250 V ac / V dc	11193452	3936,00
ABW-UDC E55	ABWC 08-16	380-480 V ac / V dc	11193453	3936,00



CONDENSER TRIPPING DEVICE

TYPE	ACB	VOLTAGE (V)	ARTICLE NR.	PRICE EACH (ZAR)
ABW-UC D58	ABWC 08-16	100-110 V ac	11193370	4741,00
ABW UC D64	ABWC 08-16	200-220 V ac	11193376	4741,00

VOLTAGE MODULE OF PC_ TRIP UNIT

TYPE	CIRCUIT BREAKER	VOLTAGE (50/60 Hz)	STOCK CODE	PRICE EACH (ZAR)
ABW-VDM	ABWC 08-16	60-690 V ac/ca	11506529	4369,00

Note / Nota: 1) It is only possible to use the ABWC-CM with the ABWC circuit-breaker with PC_ protection units, which already have MODBUS communication for monitoring and diagnosis. The ABWC-CM module allows the operation (connection/disconnection) of the circuit-breaker via communication.

2) It is only possible to use with ACBs with PC_ protection units.

3) It is only possible to use with ACBs that have ABWC-UVT under voltage coil.

AIR CIRCUIT BREAKER ACCESSORIES - ABWC

FIELD-ASSEMBLED ACCESSORIES



DOOR FRAME

TYPE	CIRCUIT BREAKER	MODEL	STOCK CODE	PRICE EACH (ZAR)
ABWC-DFE	ABWC 08-16	Fixed	14795247	1419,00
ABWC-DFE	ABWC 08-16	Withdrawable	14795328	1419,00



TRANSPARENT COVER

TYPE	CIRCUIT BREAKER	STOCK CODE	PRICE EACH (ZAR)
ABWC-DC	ABWC 08-16	14802564	5638,00



KEY LOCK

TYPE	CIRCUIT BREAKER	DESCRIPTION	STOCK CODE	PRICE EACH (ZAR)
ABWC-BK1	ABWC 08-16	Key lock	14795246	2951,00
ABWC-IK2	ABWC 08-16	Key interlock	14802482	8527,00
ABWC-BB	ABWC 08-16	Pushbutton lock	14795244	441,00



EARTH LEAKAGE PROTECTION CT

TYPE	CIRCUIT BREAKER	INTERNAL DIAMETER (mm)	RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
ABW-ZCT-120	ABWC 08-16	120	1000 A	11195018	7619,00
ABW-ZCT-200	ABWC 08-16	200	2000 A	11195019	13714,00

PHASE BARRIERS

TYPE	CIRCUIT BREAKER	PACKAGING (UN)	STOCK CODE	PACK PRICE (ZAR)
ABWC-IB-E	ABWC08-16 rear terminal connection; Withdrawable ACB	2	11194726	559,00
ABWC-IB-FF	ABWC08-16- Front terminal connection; Fixed ACB	2	14825645	220,00

AIR CIRCUIT BREAKER - ABW

3-POLE CIRCUIT BREAKERS



FIXED 3-POLE + OPENING AND CLOSING COILS 200...250 V AC/DC¹⁾

TYPE	I _n (A) OVERLOAD RANGE (A)	PROTECTION TYPE	FRAME SIZE	I _{cs} (kA) 480 V	STOCK CODE	PRICE EACH (ZAR)
					50 Hz	
ABW08DN3-08AZ6F-A0220	320 - 800	LSIG	08-16	65	15110367	44122,00
ABW16DN3-16AZ6F-A0220	640 - 1.600	LSIG	08-16	65	11403391	53883,00
ABW20ES3-20AZ6F-A0220	800 - 2.000	LSIG	20-32	85	11447021	54524,00
ABW25ES3-25AZ6F-A0220	1.000 - 2.500	LSIG	20-32	85	11447024	72164,00
ABW32ES3-32AZ6F-A0220	1.280 - 3.200	LSIG	20-32	85	11399003	124063,00
ABW40FS3-40AZ6F-A0220	1.600 - 4.000	LSIG	40-50	100	11384055	183797,00
ABW50FS3-50AZ6F-A0220	2.000 - 5.000	LSIG	40-50	100	11447034	247419,00
ABW63GS3-63AZ6F-A0220	2.520 - 6.300	LSIG	63	120	11447036	343637,00



WITHDRAWABLE 3-POLE + OPENING AND CLOSING COILS 200...250 V AC/DC^{1) 2)}

TYPE	I _n (A) OVERLOAD RANGE (A)	PROTECTION TYPE	FRAME SIZE	I _{cs} (kA) 480 V	STOCK CODE	PRICE EACH (ZAR)
					50 Hz	
ABW08DN3-08AZ6E-A0220	320 - 800	LSIG	08-16	65	15925788	70594,00
ABW16DN3-16AZ6E-A0220	640 - 1.600	LSIG	08-16	65	11447018	87628,00
ABW20ES3-20AZ6E-A0220	800 - 2.000	LSIG	20-32	85	11447023	89346,00
ABW25ES3-25AZ6E-A0220	1.000 - 2.500	LSIG	20-32	85	11447025	113630,00
ABW32ES3-32AZ6E-A0220	1.280 - 3.200	LSIG	20-32	85	11447027	160822,00
ABW40FS3-40AZ6E-A0220	1.600 - 4.000	LSIG	40-50	100	11447028	287280,00
ABW50FS3-50AZ6E-A0220	2.000 - 5.000	LSIG	40-50	100	11447035	334015,00
ABW63GS3-63AZ6E-A0220	2.520 - 6.300	LSIG	63	120	11447037	515455,00

Note: 1) Standard accessories:
 Protection unit ABW-AZ_
 Input voltage 100...250 V ac/dc.
 Current measurement per phase.
 Chronologic register of 10 faults.
 Auxiliary contacts (5NO + 5NC).
 Alarm contacts (3NO).
 Operations counter.

2) Standard accessories (withdrawable):
 Keylock position lock.

Position indicator (Connected / Test / Disconnected).

◆ - Fill in with the motorized operation voltage code (automatic spring charge).

■ - Fill in with the closing and opening coil voltage code.

▲ - Fill in with the power input frequency - 6 = 50 Hz; 1 = 60 Hz.

◆ MOTOR OPERATION	■ COIL
CODE	
0 - W/o Mot. Op.	0 - Without coil
1 - 100...130 V ac/dc	1 - 100...130 V ac/dc
2 - 200...250 V ac/dc	2 - 200...250 V ac/dc
3 - 24...30 V dc	3 - 24...30 V dc
4 - 48...60 V ac/dc	
5 - 480 V ac	

AIR CIRCUIT BREAKER ACCESSORIES - ABW

FACTORY-ASSEMBLED ACCESSORIES

UNDER VOLTAGE COIL¹⁾

TYPE	CIRCUIT BREAKER	VOLTAGE (V)	CODE	STOCK CODE	PRICE EACH (ZAR)
ABW-UVT C34	ABW08-63	24-30 V dc	3	11193882	2280,00
ABW-UVT E27	ABW08-63	48 V ac/dc	4	11193883	2280,00
ABW-UVT E10	ABW08-63	110-130 V ac/dc	1	11193884	2280,00
ABW-UVT E12	ABW08-63	200-250 V ac/dc	2	11193888	2280,00
ABW-UVT E55	ABW08-63	380-480 V ac/dc	5	11193854	2280,00

Note: Example: Circuit breaker with instantaneous under voltage coil @ 200...250 V ac/dc: ABW16DN4-16AZ1E-A0222

POSITION AUXILIARY CONTACTS (WITHDRAWABLE CIRCUIT BREAKERS)¹⁾

TYPE	CIRCUIT BREAKER	CODE	STOCK CODE	PRICE EACH (ZAR)
ABW-BC4	ABW08-63	B	11194966	4235,00

Note: Example: Withdrawable circuit breaker with position auxiliary contacts: ABW16DN4-16AZ1E-B0220

MECHANICAL INTERLOCK¹⁾

TYPE	CIRCUIT BREAKER	CODE	STOCK CODE	PRICE EACH (ZAR)
ABW-IM1 2D/F	ABW08, 16, 40 and 50	M	11194710	POA
ABW-IM2 2E/G	ABW20, 25, 32, and 63	M	11194711	POA
ABW-IM1 3D/F	ABW08, 16, 40 and 50	M3	11194713	POA
ABW-IM2 3E/G	ABW20, 25, 32, and 63	M3	11194717	POA

Note: Example: Changeover using 2 withdrawable ACBs with mechanical interlock: ABW16DN4-16AZ1E-A0220M

DOOR INTERLOCK¹⁾

TYPE	CIRCUIT BREAKER	CODE	STOCK CODE	PRICE EACH (ZAR)
ABW-DI	ABW08-63	D	11195050	2120,00

Note: Example: Circuit breaker with door interlock: ABW16DN4-16AZ1E-A0220D

MOTOR OPERATOR

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABW-AM E10	ABW16-63	100-130 Vac/dc	11193480	9839,00
ABW-AM E12	ABW16-63	200...250 Vac/dc	11193484	9839,00
ABW-AM C34	ABW16-63	24...30 Vdc	11193457	9839,00
ABW-AM D33	ABW16-63	380 Vac	11193486	9839,00
ABW-AM D74	ABW16-63	440...480 Vac	11193487	9839,00

CLOSING COIL

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABW-BF C34	ABW16-63	24...30 Vdc	11193568	3250,00
ABW-BF E10	ABW16-63	110...130 Vac/Vdc	11193789	3250,00
ABW-BF E12	ABW16-63	200...250 Vac/Vdc	11193790	3250,00

OPENING COIL (SHUNT TRIP)

TYPE	CIRCUIT-BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABW-BF C34	ABW16-63	24...30 Vdc	11193796	3250,00
ABW-BF E10	ABW16-63	110...130 Vac/Vdc	11193879	3250,00
ABW-BF E12	ABW16-63	200...250 Vac/Vdc	11193880	3250,00

Note: 1) These acc. are assembled in the factory. Include the price in the ACB's price and request the ACB's code with the assembled acc.

AIR CIRCUIT BREAKER ACCESSORIES - ABW

FIELD-ASSEMBLED ACCESSORIES



MODBUS COMMUNICATION MODULE

TYPE	CIRCUIT BREAKER	COMMUNICATION PROTOCOL	STOCK CODE	PRICE EACH (ZAR)
ABW-CM1)	ABW08-63	Modbus	11193398	40871,00



PROFIBUS COMMUNICATION MODULE²⁾

TYPE	CIRCUIT BREAKER	COMMUNICATION PROTOCOL	STOCK CODE	PRICE EACH (ZAR)
ABW-CP	ABW08-63	Profibus	11193400	68062,00



UNDERVOLTAGE MODULE WITH TIMER 3S³⁾

TYPE	CIRCUIT BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABW-UVC E27	ABW08-63	48 V ac/dc	11193478	9839,00
ABW-UVC E10	ABW08-63	110-130 V ac/dc	11193451	3936,00
ABW-UVC E12	ABW08-63	200-250 V ac/dc	11193452	3936,00
ABW-UVC E55	ABW08-63	380-480 V ac/dc	11193453	3936,00



CONDENSER TRIPPING DEVICE

TYPE	CIRCUIT BREAKER	VOLTAGE (V)	STOCK CODE	PRICE EACH (ZAR)
ABW-UC D58	ABW08-63	100-110 V ac	11193370	4741,00
ABW UC D64	ABW08-63	200-220 V ac	11193376	4741,00

VOLTAGE MODULE OF PC_ TRIP UNIT

TYPE	CIRCUIT BREAKER	VOLTAGE (50/60 Hz)	STOCK CODE	PRICE EACH (ZAR)
ABW-VDM	ABW08-63	60-690 V ac	11506529	4369,00

Note: 1) It is only possible to use the ABW-CM with the ABW circuit-breaker with AC_ or PC_ protection units, which already have MODBUS communication for monitoring and diagnosis. The ABW-CM module allows the operatio (connection/disconnection) of the circuit-breaker via communication.

2) It is only possible to use with ACBs with AC_ or PC_ protection units.

3) It is only possible to use with ACBs that have ABW-UVT under voltage coil.

AIR CIRCUIT BREAKER ACCESSORIES - ABW

FIELD-ASSEMBLED ACCESSORIES



DOOR FRAME

TYPE	CIRCUIT BREAKER	MODEL	STOCK CODE	PRICE EACH (ZAR)
ABW-DFD	ABW08-63	Fixed	11321382	1473,00
ABW-DFE	ABW08-63	Withdrawable	11195048	1473,00



TRANSPARENT COVER

TYPE	CIRCUIT BREAKER	STOCK CODE	PRICE EACH (ZAR)
ABW-DC	ABW08-63	11195053	6230,00



KEY LOCK

TYPE	CIRCUIT BREAKER	DESCRIPTION	STOCK CODE	PRICE EACH (ZAR)
ABW-BK1	ABW08-63	Key lock	11194682	3065,00
ABW-IK2	ABW08-63	Key interlock	11194685	8855,00
ABW-BB	ABW08-63	Pushbutton lock	11194681	458,00



EARTH LEAKAGE PROTECTION CT

TYPE	CIRCUIT BREAKER	INTERNAL DIAMETER (mm)	RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
ABW-ZCT-120	ABW08-63	120	1.000 A	11195018	7619,00
ABW-ZCT-200	ABW08-63	200	2.000 A	11195019	13714,00

CONTROL TERMINAL (REMOVABLE)

TYPE	CIRCUIT BREAKER	PACKAGING (UN)	STOCK CODE	PACK PRICE (ZAR)
ABW-UJ	ABW08-63	3	11406758	350,00

PHASE BARRIERS

TYPE	CIRCUIT BREAKER	PACKAGING (UN)	STOCK CODE	PACK PRICE (ZAR)
ABW-IB	ABW08-63	2	11194726	559,00

MINIATURE CIRCUIT-BREAKERS

1-POLE MCB



CURVE B, $I_M = 3 \text{ TO } 5I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-B6	6	3	5	12	10076396	65,00
MDW-B10	10	3	5	12	10076404	58,00
MDW-B16	16	3	5	12	10076412	58,00
MDW-B20	20	3	5	12	10076420	58,00
MDW-B25	25	3	5	12	10076428	58,00
MDW-B32	32	3	5	12	10076436	58,00
MDW-B40	40	3	5	12	10076444	58,00
MDW-B50	50	3	5	12	10076452	73,00
MDW-B63	63	3	5	12	10076460	73,00
MDW-B80	80	3	5	6	10076468	222,00
MDW-B100	100	3	5	6	10075742	222,00
MDW-B125	125	3	5	6	11807321	222,00

CURVE C, $I_M = 5 \text{ TO } 10I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-C2	2	1,5	3	12	10076381	78,00
MDW-C4	4	1,5	3	12	10076389	78,00
MDW-C6	6	3	5	12	10076397	67,00
MDW-C10	10	3	5	12	10076405	59,00
MDW-C16	16	3	5	12	10076413	59,00
MDW-C20	20	3	5	12	10076421	59,00
MDW-C25	25	3	5	12	10076429	59,00
MDW-C32	32	3	5	12	10076437	59,00
MDW-C40	40	3	5	12	10076445	59,00
MDW-C50	50	3	5	12	10076453	74,00
MDW-C63	63	3	5	12	10076461	74,00
MDW-C80	80	3	5	6	10076469	226,00
MDW-C100	100	3	5	6	10075743	226,00
MDW-C125	125	3	5	6	11807325	226,00

MINIATURE CIRCUIT-BREAKERS

2-POLE MCB



CURVE B, $I_M = 3 \text{ TO } 5I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-B6-2	6	3	5	6	10076398	136,00
MDW-B10-2	10	3	5	6	10076406	121,00
MDW-B16-2	16	3	5	6	10076414	121,00
MDW-B20-2	20	3	5	6	10076422	121,00
MDW-B25-2	25	3	5	6	10076430	121,00
MDW-B32-2	32	3	5	6	10076438	121,00
MDW-B40-2	40	3	5	6	10076446	121,00
MDW-B50-2	50	3	5	6	10076454	151,00
MDW-B63-2	63	3	5	6	10076462	151,00
MDW-B80-2	80	3	5	3	10076470	446,00
MDW-B100-2	100	3	5	3	10075744	446,00
MDW-B125-2	125	3	5	3	11807322	446,00

CURVE C, $I_M = 5 \text{ TO } 10I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-C2-2	2	1,5	3	6	10076383	164,00
MDW-C4-2	4	1,5	3	6	10076391	164,00
MDW-C6-2	6	3	5	6	10076399	140,00
MDW-C10-2	10	3	5	6	10076407	125,00
MDW-C16-2	16	3	5	6	10076415	125,00
MDW-C20-2	20	3	5	6	10076423	125,00
MDW-C25-2	25	3	5	6	10076431	125,00
MDW-C32-2	32	3	5	6	10076439	125,00
MDW-C40-2	40	3	5	6	10076447	125,00
MDW-C50-2	50	3	5	6	10076455	156,00
MDW-C63-2	63	3	5	6	10076463	156,00
MDW-C80-2	80	3	5	3	10076471	459,00
MDW-C100-2	100	3	5	3	10075745	459,00
MDW-C125-2	125	3	5	3	11807327	459,00

MINIATURE CIRCUIT-BREAKERS

3-POLE MCB



CURVE B, $I_M = 3 \text{ TO } 5I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-B6-3	6	3	5	4	10076400	204,00
MDW-B10-3	10	3	5	4	10076408	182,00
MDW-B16-3	16	3	5	4	10076416	182,00
MDW-B20-3	20	3	5	4	10076424	182,00
MDW-B25-3	25	3	5	4	10076432	182,00
MDW-B32-3	32	3	5	4	10076440	182,00
MDW-B40-3	40	3	5	4	10076448	182,00
MDW-B50-3	50	3	5	4	10076456	227,00
MDW-B63-3	63	3	5	4	10076464	227,00
MDW-B80-3	80	3	5	2	10077877	669,00
MDW-B100-3	100	3	5	2	10075746	669,00
MDW-B125-3	125	3	5	2	11807323	669,00

CURVE C, $I_M = 5 \text{ TO } 10I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-C2-3	2	1,5	3	4	10076385	245,00
MDW-C4-3	4	1,5	3	4	10076393	245,00
MDW-C6-3	6	3	5	4	10076401	211,00
MDW-C10-3	10	3	5	4	10076409	187,00
MDW-C16-3	16	3	5	4	10076417	187,00
MDW-C20-3	20	3	5	4	10076425	187,00
MDW-C25-3	25	3	5	4	10076433	187,00
MDW-C32-3	32	3	5	4	10076441	187,00
MDW-C40-3	40	3	5	4	10076449	187,00
MDW-C50-3	50	3	5	4	10076457	234,00
MDW-C63-3	63	3	5	4	10076465	234,00
MDW-C80-3	80	3	5	2	10075739	689,00
MDW-C100-3	100	3	5	2	10075747	689,00
MDW-C125-3	125	3	5	2	11807348	689,00

MINIATURE CIRCUIT-BREAKERS

4-POLE MCB

CURVE C, $I_M = 5 \text{ TO } 10X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cn} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-C6-4	6	3	5	3	10076403	280,00
MDW-C10-4	10	3	5	3	10076411	249,00
MDW-C16-4	16	3	5	3	10076419	249,00
MDW-C20-4	20	3	5	3	10076427	249,00
MDW-C25-4	25	3	5	3	10076435	249,00
MDW-C32-4	32	3	5	3	10076443	249,00
MDW-C40-4	40	3	5	3	10076451	249,00
MDW-C50-4	50	3	5	3	10076459	312,00
MDW-C63-4	63	3	5	3	10076467	312,00
MDW-C80-4	80	3	5	1	10075741	918,00
MDW-C100-4	100	3	5	1	10075749	918,00
MDW-C125-4	125	3	5	1	11807349	918,00

ACCESSORIES FOR MINIATURE CIRCUIT BREAKERS



AUXILIARY CONTACT

TYPE	CONTACT	FOR USE WITH	STOCK CODE	PRICE EACH (ZAR)
MDW-BC1	1 SPDT	MDW (2 A-63 A)	10261573	95,00
MDW-BC2	1 SPDT	MDW (70 A-100 A)	10261574	95,00

BUS BARS

TYPE	CURRENT I_o	N° MCBS	MCB	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
BR1 12 ¹⁾	63	12	MDW ((2 A-63 A)	10	11402519	76,00
BR1 54 ¹⁾	63	54	MDW (2 A-63 A)	1 m bar	11156854	257,00
BR2 6 ²⁾	63	6	MDW (2 A-63 A)	10	11402518	149,00
BR2 27 ²⁾	63	27	MDW (2 A-63 A)	1 m bar	11156855	522,00
BR3 4 ³⁾	63	4	MDW (2 A-63 A)	10	11402457	195,00
BR3 18 ³⁾	63	18	MDW (2 A-63 A)	1 m bar	11156857	684,00
AL-BR	63	-	MDW (2 A-63 A)	20	11156853	33,00

Note: 1) For single-pole breakers.
2) For 2-pole breakers.
3) For 3-pole breakers.

MINIATURE CIRCUIT-BREAKERS

1-POLE MCB - HIGH CAPACITY



CURVE B, $I_M = 3 \text{ TO } 5X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-B6	6	10	10	12	11422529	162,00
MDWH-B10	10	10	10	12	11422579	162,00
MDWH-B16	16	10	10	12	11422583	162,00
MDWH-B20	20	10	10	12	11422587	162,00
MDWH-B25	25	10	10	12	11422631	162,00
MDWH-B32	32	10	10	12	11422636	162,00
MDWH-B40	40	10	10	12	11422640	180,00
MDWH-B50	50	10	10	12	11422644	180,00
MDWH-B63	63	10	10	12	11422658	180,00
MDWH-B80	80	6	10	12	14848969	547,00
MDWH-B100	100	6	10	12	14848970	547,00
MDWH-B125	125	6	10	12	14848971	547,00

CURVE C, $I_M = 5 \text{ TO } 10X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-C2	2	10	10	12	13441571	220,00
MDWH-C4	4	10	10	12	13441573	220,00
MDWH-C6	6	10	10	12	11422662	165,00
MDWH-C10	10	10	10	12	11422666	165,00
MDWH-C16	16	10	10	12	11422690	165,00
MDWH-C20	20	10	10	12	11422694	165,00
MDWH-C25	25	10	10	12	11422708	165,00
MDWH-C32	32	10	10	12	11422713	165,00
MDWH-C40	40	10	10	12	11422717	183,00
MDWH-C50	50	10	10	12	11422722	183,00
MDWH-C63	63	10	10	12	11422727	183,00
MDWH-C80	80	6	10	12	14849019	557,00
MDWH-C100	100	6	10	12	14849020	557,00
MDWH-C125	125	6	10	12	14849021	557,00

CURVE D, $I_M = 10 \text{ TO } 20X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-D2	2	10	10	12	14110145	231,00
MDWH-D4	4	10	10	12	14110146	231,00
MDWH-D6	6	10	10	12	14110022	173,00
MDWH-D10	10	10	10	12	14110082	173,00
MDWH-D16	16	10	10	12	14110086	173,00
MDWH-D20	20	10	10	12	14110102	173,00
MDWH-D25	25	10	10	12	14110107	173,00
MDWH-D32	32	10	10	12	14110114	173,00
MDWH-D40	40	10	10	12	14110122	192,00
MDWH-D50	50	10	10	12	14110127	192,00
MDWH-D63	63	10	10	12	14110141	192,00
MDWH-D80	80	6	10	12	14849032	585,00
MDWH-D100	100	6	10	12	14849033	585,00
MDWH-D125	125	6	10	12	14849034	585,00

MINIATURE CIRCUIT-BREAKERS

2-POLE MCB - HIGH CAPACITY

CURVE B, $I_M = 3 \text{ TO } 5I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-B6-2	6	10	10	6	11422543	329,00
MDWH-B10-2	10	10	10	6	11422580	329,00
MDWH-B16-2	16	10	10	6	11422584	329,00
MDWH-B20-2	20	10	10	6	11422628	329,00
MDWH-B25-2	25	10	10	6	11422632	329,00
MDWH-B32-2	32	10	10	6	11422637	329,00
MDWH-B40-2	40	10	10	6	11422641	365,00
MDWH-B50-2	50	10	10	6	11422645	365,00
MDWH-B63-2	63	10	10	6	11422659	365,00
MDWH-B80-2	80	6	10	6	14848972	1113,00
MDWH-B100-2	100	6	10	6	14848973	1113,00
MDWH-B125-2	125	6	10	6	14848974	1113,00

CURVE C, $I_M = 5 \text{ TO } 10I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-C2-2	2	10	10	6	13441574	448,00
MDWH-C4-2	4	10	10	6	13441575	448,00
MDWH-C6-2	6	10	10	6	11422663	336,00
MDWH-C10-2	10	10	10	6	11422667	336,00
MDWH-C16-2	16	10	10	6	11422691	336,00
MDWH-C20-2	20	10	10	6	11422695	336,00
MDWH-C25-2	25	10	10	6	11422709	336,00
MDWH-C32-2	32	10	10	6	11422714	336,00
MDWH-C40-2	40	10	10	6	11422719	373,00
MDWH-C50-2	50	10	10	6	11422723	373,00
MDWH-C63-2	63	10	10	6	11422728	373,00
MDWH-C80-2	80	6	10	6	14849022	1136,00
MDWH-C100-2	100	6	10	6	14849023	1136,00
MDWH-C125-2	125	6	10	6	14849024	1136,00

CURVE D, $I_M = 10 \text{ TO } 20I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-D2-2	2	10	10	6	14110147	470,00
MDWH-D4-2	4	10	10	6	14110168	470,00
MDWH-D6-2	6	10	10	6	14110023	353,00
MDWH-D10-2	10	10	10	6	14110083	353,00
MDWH-D16-2	16	10	10	6	14110098	353,00
MDWH-D20-2	20	10	10	6	14110103	353,00
MDWH-D25-2	25	10	10	6	14110108	353,00
MDWH-D32-2	32	10	10	6	14110116	353,00
MDWH-D40-2	40	10	10	6	14110124	391,00
MDWH-D50-2	50	10	10	6	14110138	391,00
MDWH-D63-2	63	10	10	6	14110142	391,00
MDWH-D80-2	80	6	10	6	14849036	1192,00
MDWH-D100-2	100	6	10	6	14849037	1192,00
MDWH-D125-2	125	6	10	6	14849118	1192,00

MINIATURE CIRCUIT-BREAKERS

3-POLE MCB - HIGH CAPACITY

CURVE B, $I_M = 3 \text{ TO } 5X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-B6-3	6	10	10	4	11422546	497,00
MDWH-B10-3	10	10	10	4	11422581	497,00
MDWH-B16-3	16	10	10	4	11422585	497,00
MDWH-B20-3	20	10	10	4	11422629	497,00
MDWH-B25-3	25	10	10	4	11422634	497,00
MDWH-B32-3	32	10	10	4	11422638	497,00
MDWH-B40-3	40	10	10	4	11422642	551,00
MDWH-B50-3	50	10	10	4	11422646	551,00
MDWH-B63-3	63	10	10	4	11422660	551,00
MDWH-B80-3	80	6	10	4	14848975	1681,00
MDWH-B100-3	100	6	10	4	14848977	1681,00
MDWH-B125-3	125	6	10	4	14849018	1681,00

CURVE C, $I_M = 5 \text{ TO } 10X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-C2-3	2	10	10	4	13441576	675,00
MDWH-C4-3	4	10	10	4	13441577	675,00
MDWH-C6-3	6	10	10	4	11422664	507,00
MDWH-C10-3	10	10	10	4	11422688	507,00
MDWH-C16-3	16	10	10	4	11422692	507,00
MDWH-C20-3	20	10	10	4	11422696	507,00
MDWH-C25-3	25	10	10	4	11422710	507,00
MDWH-C32-3	32	10	10	4	11422715	507,00
MDWH-C40-3	40	10	10	4	11422720	562,00
MDWH-C50-3	50	10	10	4	11422725	562,00
MDWH-C63-3	63	10	10	4	11422729	562,00
MDWH-C80-3	80	6	10	4	14849025	1714,00
MDWH-C100-3	100	6	10	4	14849026	1714,00
MDWH-C125-3	100	6	10	4	14849027	1714,00

CURVE D, $I_M = 10 \text{ TO } 20X I_N$

TYPE	I_n (A)	IEC 898 230/400 V I_{cu} (kA)	IEC 947-2 230/400 V I_{cu} (kA)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-D2-3	2	10	10	4	14110169	709,00
MDWH-D4-3	4	10	10	4	14110170	709,00
MDWH-D6-3	6	10	10	4	14110079	532,00
MDWH-D10-3	10	10	10	4	14110084	532,00
MDWH-D16-3	16	10	10	4	14110099	532,00
MDWH-D20-3	20	10	10	4	14110104	532,00
MDWH-D25-3	25	10	10	4	14110110	532,00
MDWH-D32-3	32	10	10	4	14110118	532,00
MDWH-D40-3	40	10	10	4	14110125	591,00
MDWH-D50-3	50	10	10	4	14110139	591,00
MDWH-D63-3	63	10	10	4	14110143	591,00
MDWH-D80-3	80	6	10	4	14849121	1800,00
MDWH-D100-3	100	6	10	4	14849122	1800,00
MDWH-D125-3	125	6	10	4	14849123	1800,00

MINIATURE CIRCUIT-BREAKERS

ACCESSORIES FOR MINIATURE CIRCUIT BREAKERS - HIGH CAPACITY

AUXILIARY CONTACT

TYPE	CONTACT	MCB	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-BC1	1 SPDT	MDWH (6 A-63 A)	1	11882693	190,00

ALARM CONTACT

TYPE	CONTACT	MCB	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-AL-1	1 SPDT	MDWH (6 A-63 A)	1	11894565	232,00

AUXILIARY CONTACT + ALARM CONTACT

TYPE	CONTACT	MCB	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDWH-AX-1	1 SPDT	MDWH (6 A-63 A)	1	11894566	338,00

PADLOCKING DEVICE

TYPE	CONTACT	MCB	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MDW-PLW63	1 SPDT	MDWH (6 A-63 A)	50	11373980	43,00



SWITCHES

RDWS - RESIDUAL CURRENT CIRCUIT BREAKERS - AC TYPE - RCCB



TYPE	I_n (A)	$I_{\Delta n}$ (mA)	POLES	STOCK CODE	PRICE EACH (ZAR)
30 mA - 230 V ac					
RDWS-AC-30-25-2-D24	25	30	2	14764134	329,00
RDWS-AC-30-40-2-D24	40	30	2	14764135	329,00
RDWS-AC-30-63-2-D24	63	30	2	14764137	368,00
RDWS-AC-30-80-2-D24	80	30	2	14764148	575,00
RDWS-AC-30-100-2-D24	100	30	2	14764149	575,00
30 mA - 400 V ac					
RDWS-AC-30-25-4-D34	25	30	4	14764231	508,00
RDWS-AC-30-40-4-D34	40	30	4	14764232	508,00
RDWS-AC-30-63-4-D34	63	30	4	14764233	556,00
RDWS-AC-30-80-4-D34	80	30	4	14764234	653,00
RDWS-AC-30-100-4-D34	100	30	4	14764235	661,00
300 mA - 230 V ac					
RDWS-AC-300-25-2-D24	25	300	2	14764165	329,00
RDWS-AC-300-40-2-D24	40	300	2	14764166	329,00
RDWS-AC-300-63-2-D24	63	300	2	14764167	368,00
RDWS-AC-300-80-2-D24	80	300	2	14764178	575,00
RDWS-AC-300-100-2-D24	100	300	2	14764180	575,00
300 mA - 400 V ac					
RDWS-AC-300-25-4-D34	25	300	4	14764290	508,00
RDWS-AC-300-40-4-D34	40	300	4	14764292	508,00
RDWS-AC-300-63-4-D34	63	300	4	14764293	556,00
RDWS-AC-300-80-4-D34	80	300	4	14764294	653,00
RDWS-AC-300-100-4-D34	100	300	4	14764295	661,00

RDWH - RESIDUAL CURRENT CIRCUIT BREAKERS - A TYPE - RCBO

TYPE	I_n (A)	$I_{\Delta n}$ (mA)	POLES	STOCK CODE	PRICE EACH (ZAR)
30 mA - 230 V ac					
RDWH-A-30-25-2-D24	25	30	2	14763945	493,00
RDWH-A-30-40-2-D24	40	30	2	14763946	493,00
RDWH-A-30-63-2-D24	63	30	2	14763947	496,00
30 mA - 400 V ac					
RDWH-A-30-25-4-D34	25	30	4	14763996	762,00
RDWH-A-30-40-4-D34	40	30	4	14763997	762,00
RDWH-A-30-63-4-D34	63	30	4	14764009	751,00
300 mA - 230 V ac					
RDWH-A-300-25-2-D24	25	300	2	14763972	493,00
RDWH-A-300-40-2-D24	40	300	2	14763973	493,00
RDWH-A-300-63-2-D24	63	300	2	14763974	496,00
300 mA - 400 V ac					
RDWH-A-300-25-4-D34	25	300	4	14764043	762,00
RDWH-A-300-40-4-D34	40	300	4	14764044	762,00
RDWH-A-300-63-4-D34	63	300	4	14764045	751,00

MDA LINE

SWITCH DISCONNECTORS



TYPE	I_n (A)	POLES	STOCK CODE	PRICE EACH (ZAR)
SIW-40-2	40	2	10075767	100,00
SIW-63-2	63	2	10075770	100,00
SIW-80-2	80	2	10075773	322,00
SIW-100-2	100	2	10075776	322,00
SIW-40-3	40	3	10075768	150,00
SIW-63-3	63	3	10075771	150,00
SIW-80-3	80	3	10075774	482,00
SIW-100-3	100	3	10075777	482,00
SIW-40-4	40	4	10075769	200,00
SIW-63-4	63	4	10075772	200,00
SIW-80-4	80	4	10075775	643,00
SIW-100-4	100	4	10075778	643,00



AR FUSE TYPE “NH” BLADE CONTACT

SEMICONDUCTOR SHORT-CIRCUIT PROTECTION FUSE - AR FUSE TYPE “NH” BLADE CONTACT



TYPE	SIZE	CURRENT (A)	PACKAGING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
FNH000-20K-A	000	20	3	13735555	238,00
FNH000-25K-A	000	25	3	13735656	238,00
FNH000-35K-A	000	35	3	13737105	238,00
FNH000-40K-A	000	40	3	13737107	238,00
FNH000-50K-A	000	50	3	13737128	238,00
FNH000-63K-A	000	63	3	13737129	316,00
FNH000-80K-A	000	80	3	13737130	316,00
FNH000-100K-A	000	100	3	13737131	316,00
FNH000-125K-A	000	125	3	13737132	316,00
FNH00-20K-A	00	20	3	10687494	238,00
FNH00-25K-A	00	25	3	10701722	238,00
FNH00-35K-A	00	35	3	10701721	238,00
FNH00-40K-A	00	40	3	10702117	238,00
FNH00-50K-A	00	50	3	10701718	238,00
FNH00-63K-A	00	63	3	10705764	316,00
FNH00-80K-A	00	80	3	10705995	316,00
FNH00-100K-A	00	100	3	10707110	316,00
FNH00-125K-A	00	125	3	10707231	316,00
FNH00-160K-A	00	160	3	10701724	363,00
FNH00-200K-A	00	200	3	10710732	363,00
FNH00-250K-A	00	250	3	10711445	363,00
FNH1-63K-A	1	63	3	10806688	638,00
FNH1-80K-A	1	80	3	10807549	638,00
FNH1-100K-A	1	100	3	10807553	638,00
FNH1-125K-A	1	125	3	10807554	638,00
FNH1-160K-A	1	160	3	10808545	715,00
FNH1-200K-A	1	200	3	10809133	715,00
FNH1-250K-A	1	250	3	10809489	715,00
FNH1-315K-A	1	315	3	10809575	715,00
FNH1-350K-A	1	350	3	10814896	854,00
FNH1-400K-A	1	400	3	10815073	854,00
FNH2-250K-A	2	250	3	10823581	1070,00
FNH2-315K-A	2	315	3	10823936	1070,00
FNH2-350K-A	2	350	3	10823996	1391,00
FNH2-400K-A	2	400	3	10824053	1391,00
FNH2-450K-A	2	450	3	10824055	1391,00
FNH2-500K-A	2	500	3	10824109	1484,00
FNH2-630K-A	2	630	3	10824110	1484,00
FNH2-710K-A	2	710	3	11393547	1484,00
FNH3-400K-A	3	400	3	10831217	1547,00
FNH3-450K-A	3	450	3	10832962	1547,00
FNH3-500K-A	3	500	3	10833056	1547,00
FNH3-630K-A	3	630	3	10833101	1694,00
FNH3-710K-A	3	710	3	10833591	1694,00
FNH3-800K-A	3	800	3	10833726	2058,00
FNH3-900K-A	3	900	3	11393564	2058,00
FNH3-1000K-A	3	1	3	11393565	2058,00

GL/GG FUSE TYPE “NH” BLADE CONTACT

ELECTRICAL CIRCUIT PROTECTION FUSE - GL/GG FUSE TYPE “NH” BLADE CONTACT



TYPE	SIZE	CURRENT (A)	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
FNH000-4U	000	4	3	10891504	229,00
FNH000-6U	000	6	3	10891107	229,00
FNH000-10U	000	10	3	10890978	229,00
FNH000-16U	000	16	3	10890945	229,00
FNH000-20U	000	20	3	10889723	229,00
FNH000-25U	000	25	3	10889565	229,00
FNH000-35U	000	35	3	10889349	229,00
FNH000-50U	000	50	3	10888901	229,00
FNH000-63U	000	63	3	10888698	229,00
FNH000-80U	000	80	3	10887824	269,00
FNH00-4U	00	4	3	10185934	245,00
FNH00-6U	00	6	3	10045369	245,00
FNH00-10U	00	10	3	10409880	245,00
FNH00-16U	00	16	3	10409881	245,00
FNH00-20U	00	20	3	10409882	245,00
FNH00-25U	00	25	3	10409883	245,00
FNH00-35U	00	35	3	10409884	245,00
FNH00-50U	00	50	3	10409885	245,00
FNH00-63U	00	63	3	10409886	245,00
FNH00-80U	00	80	3	10409887	269,00
FNH00-100U	00	100	3	10409888	269,00
FNH00-125U	00	125	3	10409889	269,00
FNH00-160U	00	160	3	10045370	295,00
FNH1-50U	1	50	3	10045371	545,00
FNH1-63U	1	63	3	10185935	545,00
FNH1-80U	1	80	3	10409890	545,00
FNH1-100U	1	100	3	10409891	545,00
FNH1-125U	1	125	3	10185936	571,00
FNH1-160U	1	160	3	10409892	571,00
FNH1-200U	1	200	3	10409893	683,00
FNH1-224U	1	224	3	10409894	683,00
FNH1-250U	1	250	3	10045372	683,00
FNH2-125U	2	125	3	10045373	794,00
FNH2-160U	2	160	3	10409895	794,00
FNH2-200U	2	200	3	10045374	794,00
FNH2-224U	2	224	3	10045375	794,00
FNH2-250U	2	250	3	10409896	794,00
FNH2-300U	2	300	3	10409897	962,00
FNH2-315U	2	315	3	10185937	962,00
FNH2-355U	2	355	3	10409898	962,00
FNH2-400U	2	400	3	10045376	1201,00
FNH3-315U	3	315	3	10409899	1201,00
FNH3-355U	3	355	3	10409900	1201,00
FNH3-400U	3	400	3	10409901	1201,00
FNH3-425U	3	425	3	10409902	1201,00
FNH3-500U	3	500	3	10409903	1201,00
FNH3-630U	3	630	3	10045377	1462,00

AR FUSES TYPE “NH” FLUSH-END

SEMICONDUCTOR SHORT-CIRCUIT PROTECTION FUSE - AR FUSE TYPE FLUSH-END



TYPE	SIZE	CURRENT (A)	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
FNH3FEM-450Y-A	3	450	3	12644962	1740,00
FNH3FEM-500Y-A	3	500	3	12645317	1740,00
FNH3FEM-550Y-A	3	550	3	12660187	1740,00
FNH3FEM-630Y-A	3	630	3	12660583	1819,00
FNH3FEM-700Y-A	3	700	3	12660657	1768,00
FNH3FEM-800Y-A	3	800	3	12661660	1819,00
FNH3FEM-900Y-A	3	900	3	12661662	2182,00
FNH3FEM-1000Y-A	3	1	3	12661663	2182,00
FNH3FEM-1100Y-A	3	1,1	3	12661664	2182,00
FNH3FEM-1250Y-A	3	1,25	3	12661665	3084,00
FNH3FEM-1400Y-A	3	1,4	3	12661666	3084,00
FNH23FEA-1000Y-A	23 ¹⁾	1	1	12644745	5043,00
FNH23FEA-1250Y-A	23 ¹⁾	1,25	1	12661667	5376,00
FNH23FEA-1400Y-A	23 ¹⁾	1,4	1	12661688	4977,00
FNH23FEA-1600Y-A	23 ¹⁾	1,6	1	12661689	5239,00
FNH23FEA-1800Y-A	23 ¹⁾	1,8	1	12661690	5492,00
FNH23FEA-2000Y-A	23 ¹⁾	2	1	12661692	5674,00

Note: 1) Two flush end fuses, size 3, assembled in parallel.

AR FUSES TYPE FLUSH-END - ACCESSORIES

DESCRIPTION	TYPE	APPLICATION	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
MICROSWITCH 1NO+NC	MS11FE	FNH3FEM / FNH23FEA	1	12626734	348,00

FUSE TYPE “NH” BLADE CONTACT AND ACCESSORIES

FUSE BASE “NH” BLADE CONTACT



TYPE	SIZE	CURRENT (A)	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
BNH00-160	0	4-160	3	10409904	153,00
BNH1-250	1	50-250	3	10409905	630,00
BNH2-400	2	125-400	3	10185938	973,00
BNH3-630	3	315-630	3	10185939	1357,00

FUSE TYPE “NH” BLADE CONTACT AND ACCESSORIES

PARTITION WALLS FOR “NH” BLADE CONTACT FUSES



TYPE	SIZE	PACKING (UNIT)	STOCK CODE	PACK PRICE EACH (ZAR)
PDNH00	0	2	10185940	63,00
PDNH1	1	4	10185941	234,00
PDNH2	2	4	10185942	253,00
PDNH3	3	4	10185943	494,00

FUSE-SWITCH-DISCONNECTORS AND ACCESSORIES - FSW

FUSE-SWITCH-DISCONNECTORS FSW



TYPE	BLADE CONTACT FUSE	I_n (A)	POLES	STOCK CODE	PRICE EACH (ZAR)
FSW 100-3 H	NH000	100	POLES	11884107	867,00
FSW 160-3 H	NH00	160	3	11884182	954,00
FSW 250-3 H	NH1	250	3	11884179	2765,00
FSW 400-3 H	NH2	400	3	11884180	4146,00
FSW 630-3 H	NH3	630	3	11884181	4976,00

PANEL DOOR MOUNTING SWITCH-DISCONNECTORS AND ACCESSORIES - MSW

STANDARD CONFIGURATION



SWITCH-DISCONNECTORS WITH RED-YELLOW HANDLE

TYPE	I_{in} (A)	I_n 690 V (A)			POLES	STOCK CODE	PRICE EACH (ZAR)
		AC21	AC22	AC23			
MSW 16 P-3 H	20	16	16	14	3	12258389	503,00
MSW 20 P-3 H	25	20	20	16	3	12258390	523,00
MSW 25 P3 N-H	32	32	25	16	3	15481462	671,00
MSW 40 P3 N-H	40	40	32	20	3	15481464	709,00
MSW 63 P-3 H	63	63	63	26	3	11898922	880,00
MSW 80 P-3 H	80	80	80	32	3	11898923	1019,00
MSW 100 P-3 H	100	100	86	38	3	11898945	1272,00

PANEL DOOR MOUNTING SWITCH-DISCONNECTORS AND ACCESSORIES - MSW

SWITCH-DISCONNECTORS AND ACCESSORIES



AUXILIARY CONTACT

TYPE	SWITCH - DISCONNECTOR	CONTACT	STOCK CODE	PRICE EACH (ZAR)
MSW AC-40 P 1NC	MSW25/MSW40	1NC	11899468	172,00
MSW AC-40 P 1NO		1NO	11899469	172,00
MSW AC-80 P 1NC	MSW63/MSW80	1NC	11899472	172,00
MSW AC-80 P 1NO		1NO	11899476	172,00

BASE MOUNTING SWITCH-DISCONNECTORS AND ACCESSORIES - MSW

STANDARD CONFIGURATION



SWITCH-DISCONNECTORS WITH RED-YELLOW HANDLE + SHAFT

TYPE	I _{th} (A)	I _e 690 V (A)			POLES	SHAFT (mm)	STOCK CODE	PRICE EACH (ZAR)
		AC21	AC22	AC23				
MSW 12 B-2 H	16	12	12	10	2	85	12258459	426,00
MSW 12 B-3 H	16	12	12	10	3	85	12258443	523,00
MSW 16 B-2 H	20	16	16	14	2	85	12258460	465,00
MSW 16 B-3 H	20	16	16	14	3	85	12258444	561,00
MSW 20 B-2 H	25	20	20	16	2	85	12258461	503,00
MSW 20 B-3 H	25	20	20	16	3	85	12258445	581,00
MSW 25 B-3 H	32	32	25	16	3	85	11898938	609,00
MSW 40 B-3 H	40	40	32	20	3	85	11898925	602,00
MSW 63 B-3 H	63	63	63	26	3	85	11898942	946,00
MSW 80 B-3 H	80	80	80	32	3	85	11898941	1113,00
MSW 125 B-3 H	125	125	125	80	3	300	11898943	2068,00
MSW 160 B-3 H	160	160	160	100	3	300	11898944	2460,00

BASE MOUNTING SWITCH-DISCONNECTORS AND ACCESSORIES - MSW

SWITCH-DISCONNECTORS AND ACCESSORIES

SHAFT



TYPE	SWITCH-DISCONNECTOR	LENGTH (mm)	STOCK CODE	PRICE EACH (ZAR)
MSW HS 185-40	MSW25/MSW40	185	12030688	50,00
MSW HS 300-40	MSW25/MSW40	300	12030689	78,00
MSW HS 185-160	MSW63/MSW80/MSW125	185	12030690	100,00
MSW HS 300-160	MSW63/MSW80/MSW125	300	12030691	127,00

NEUTRAL POLE

TYPE	SWITCH - DISCONNECTOR	CONTACT	STOCK CODE	PRICE EACH (ZAR)
MSW AP 25-B-1 NA	MSW25	NO early make	12727284	189,00
MSW AP 40-B-1 NA	MSW40		12727285	189,00
MSW AP 63-B-1 NA	MSW63		12727298	224,00
MSW AP 80-B-1 NA	MSW80		12727299	224,00
MSW AP 160-B-1 NA	MSW125/MSW160		13052847	340,00

AUXILIARY CONTACT



TYPE	SWITCH-DISCONNECTOR	CONTACT	STOCK CODE	PRICE EACH (ZAR)
MSW AC-40 B 1NC	MSW25/MSW40	1NC	11899456	172,00
MSW AC-40 B 1NO		1NO	11899457	172,00
MSW AC-80 B 1NC	MSW63/MSW80	1NC	11899470	172,00
MSW AC-80 B 1NO		1NO	11899471	172,00
MSW AC-160 B 1NC	MSW125/MSW160	1NC	13233893	438,00
MSW AC-160 B 1NO		1NO	13233894	438,00

MSWR - CHANGE-OVER SWITCH



TYPE	I _{th} (A)	I _e 690 V (A)			POLES	HANDLE COLOUR	ARTICLE NR.	PRICE EACH (ZAR)
		AC21	AC22	AC23				
MSWR 25 B3 H	25	32	25	16	3	Red	12686300	1671,00
MSWR 40 B3 H	40	40	32	20	3	Red	12686301	1823,00
MSWR 63 B3 H	63	63	63	26	3	Red	12686302	3310,00
MSWR 80 B3 H	80	80	80	32	3	Red	12686303	3504,00
MSWR 125 B3 H	125	125	125	80	3	Red	12686305	5568,00
MSWR 160 B3 H	160	160	160	100	3	Red	12484706	6596,00

Note: The neutral pole and auxiliary contacts accessories are the same ones applied to the standard base mounting MSW model.

BASE MOUNTING SWITCH-DISCONNECTORS AND ACCESSORIES - MSW

MSWB - IP 65 SWITCH-DISCONNECTORS¹⁾



TYPE	I _{th} (A)	SWITCH-DISCONNECTOR MOUNTING	POLES	FRONT COVER COLOUR	ARTICLE NR.	PRICE EACH (ZAR)
MSWB 25 B3 H	25	Base	3	Yellow cover - red handle	14891129	1228,00
MSWB 40 B3 H	40				14891131	1498,00
MSWB 63 B3 H	63				14891132	2401,00
MSWB 80 B3 H	80				14891133	2641,00
MSWB 25 B3 HB	25			Grey cover - black handle	14906720	1228,00
MSWB 40 B3 HB	40				14906721	1498,00
MSWB 63 B3 HB	63				14906722	2401,00
MSWB 80 B3 HB	80				14906723	2641,00

Note: 1) Black enclosure base.

PFW - POWER FACTOR CONTROLLER



TYPE	FREQUENCY (Hz)	DIMENSIONS H x W x D (mm)	MEASUREMENT	NUMBER OF STEPS	POWER SUPPLY (V)	STOCK CODE	PRICE EACH (ZAR)
PFW03-M8	45 - 65	96 x 96 x 80	1 phase	8	120...510 V	14387138	6437,00
PFW03-M12	45 - 65	144 x 144 x 75	1 phase	12	95...410 V	14387141	7103,00
PFW03-M24	45 - 65	144 x 144 x 75	1 phase	24	95...272 V	14387143	8656,00
PFW03-T12	45 - 65	144 x 144 x 75	3 phases	12	95-272 V	14387080	9015,00
PFW03-T24	45 - 65	144 x 144 x 75	3 phases	24	95-272 V	14387086	10933,00

ACCESSORIES

TYPE	FUNCTION	STOCK CODE	PRICE EACH (ZAR)
IP66 COVER	MBN96X96	14432877	214,00

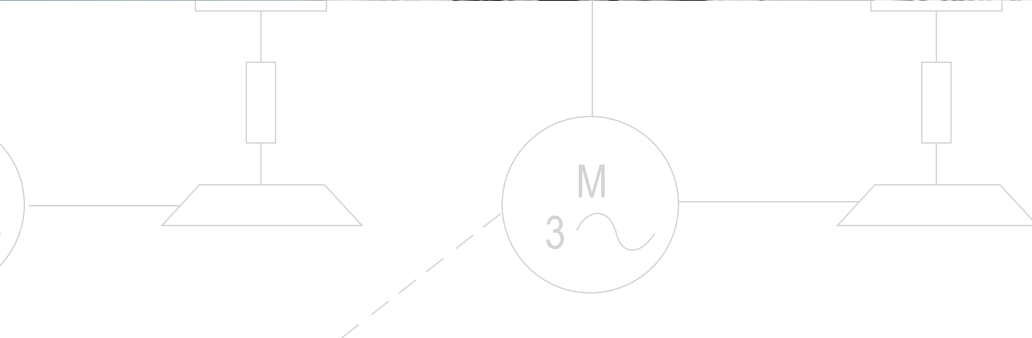
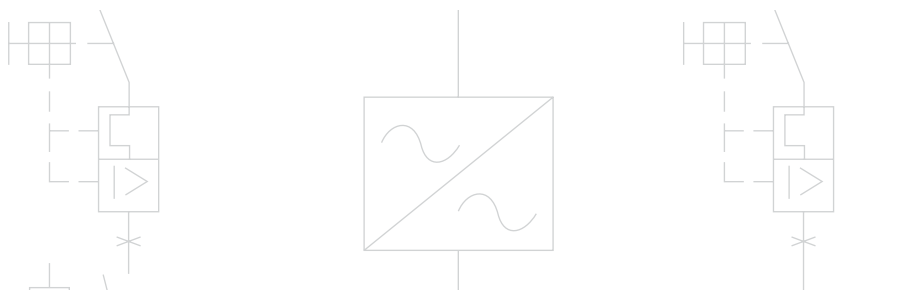
TYPE	FUNCTION	INTERFACE	STOCK CODE	PRICE EACH (ZAR)
USB-RS485-N	USB - RS485	Modbus-RTU	14389292	2220,00
RS485-ETH-N	RS485 - Ethernet	Modbus-TCP, Modbus-RTU, Modbus-ASCII	14389293	7103,00

NOTES

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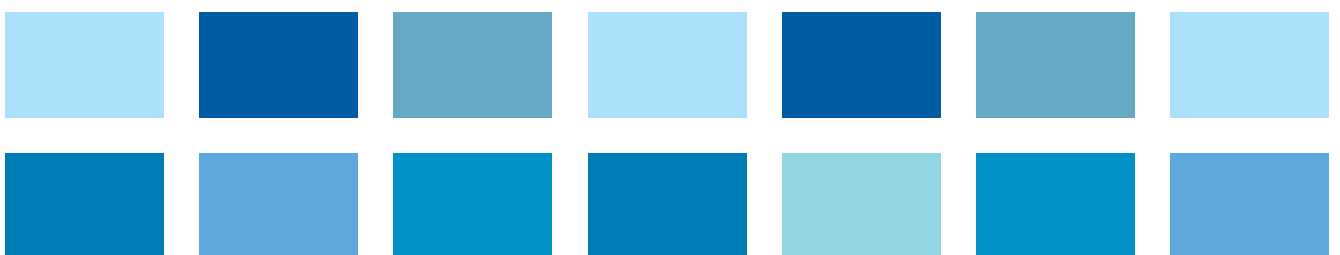
AUTOMATION

BOOK 4 - CAPACITORS



SUMMARY

Capacitors for Power Factor Correction	4-4
Accessories for Capacitors	4-5



CAPACITORS FOR POWER FACTOR CORRECTION



UCWT - HEAVY DUTY THREE - PHASE CAPACITOR UNIT

VOLTAGE	50 Hz	CAPACITANCE (μ F)	SERIES	TYPE	DIMENSIONS \varnothing xH (mm)	DISCHARGE RESISTOR	STOCK CODE	PRICE EACH (ZAR)
	kVAr							
440	5,0	27.4 x 3	HD	UCWT5V48 L16 HD	60 x 204	Internal resistor	10046258	961,00
	7,5	41.1 x 3	HD	UCWT7,5V48 N20 HD	75 x 225	3 x 150 k Ω / Delta	11758619	1341,00
	10,0	54.8 x 3	HD	UCWT10V48 N22 HD	75 x 285	3 x 150 k Ω / Delta	11758624	1460,00
	12,5	68.5 x 3	HD	UCWT12,5V48 N22 HD	75 x 285	3 x 150 k Ω / Delta	11758675	1519,00
	15,0	82.2 x 3	HD	UCWT15V48 Q26 HD	100 x 230	3 x 150 k Ω / Delta	11917040	1637,00
	20,0	109.6 x 3	HD	UCWT20V48 S26 HD	116 x 230	3 x 150 k Ω / Delta	11917043	2248,00
	25,0	137 x 3	HD	UCWT25V48 S26 HD	116 x 230	3 x 150 k Ω / Delta	11917058	2380,00
	30,0	164.4 x 3	HD	UCWT30V48 S28 HD	116 x 290	3 x 150 k Ω / Delta	15824794	2412,00
	36,0	197.3 x 3	HD	UCWT36V48 U28 HD	136 x 290	3 x 150 k Ω / Delta	16207247	2926,00
40,0	219.2 x 3	HD	UCWT40V48 U28 HD	136 x 290	3 x 150 k Ω / Delta	16333404	3027,00	
VOLTAGE	50 Hz	CAPACITANCE (μ F)	SERIES	TYPE	DIMENSIONS \varnothing xH (mm)	DISCHARGE RESISTOR	STOCK CODE	PRICE EACH (ZAR)
	kVAr							
525	5,0	19.2 x 3	HD	UCWT5VD2 L16 HD	60 x 204	Internal resistor	12634786	1079,00
	10,0	38.5 x 3	HD	UCWT10VD2 Q26 HD	100 x 230	3 x 62 k Ω / Star	12634787	1601,00
	15,0	57.7 x 3	HD	UCWT15VD2 Q26 HD	100 x 230	3 x 62 k Ω / Star	12634848	1667,00
	20,0	77 x 3	HD	UCWT20VD2 S26 HD	116 x 230	3 x 62 k Ω / Star	16336620	2206,00
	30,0	115.5 x 3	HD	UCWT30VD2 S28 HD	116 x 290	3 x 62 k Ω / Star	12634851	2816,00
	40,0	144.4 x 3	HD	UCWT40VD2 U28 HD	136 x 290	3 x 62 k Ω / Star	13365679	3825,00

Notes: Discharge resistors already incorporated.
Supplied in single quantity with nut and washer for fixing.



ACCESSORIES FOR CAPACITORS

BUS BAR FOR THREE-PHASE MODULE CAPACITOR - MCW

TYPE	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
BI MCW	3	10045985	70,00

PAC - NUT AND WASHER FOR CAPACITOR FIXING

TYPE	SERIES	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
PAC M8	A	3	10186133	7,00
PAC M12	B, C, D, E, F	3	10186132	9,00

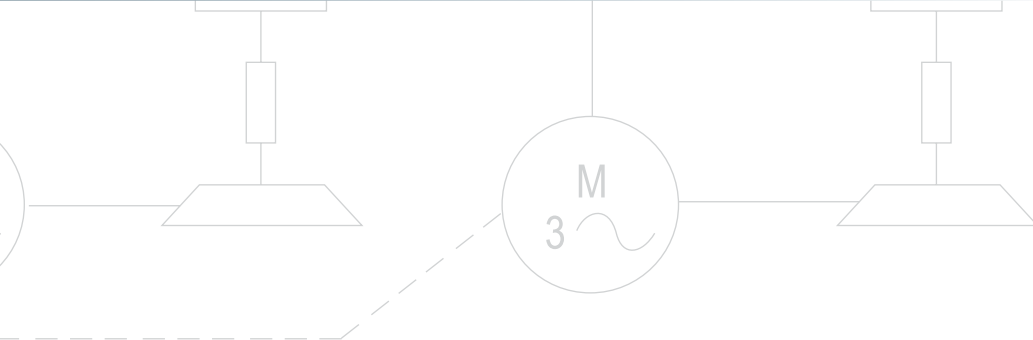
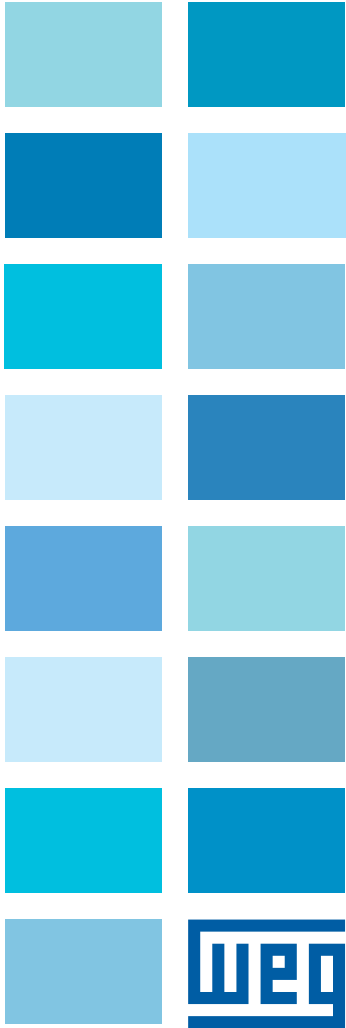
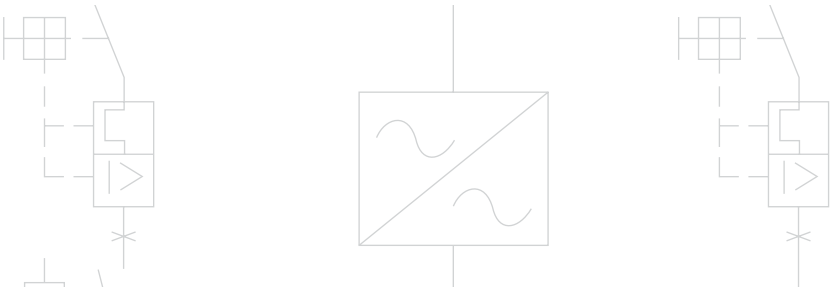
RDC - DISCHARGE RESISTOR FOR UCW-T

TYPE	RESISTOR	SERIES	PACKING (UNIT)	STOCK CODE	PRICE EACH (ZAR)
RDC FIXO 62 kOhm 3 W-UCW-T	3x62 kOhm / 3 W	E, F	3	15547268	POA
RDC FIXO 150 kOhm 3 W-UCW-T	3x150 kOhm / 3 W	E, F	3	11533468	POA

Notes: 1) Upon request.
Discharge resistor for 1/10 Un - 30 seconds.

AUTOMATION

BOOK 5 - LIMIT SWITCHES AND POWER SUPPLIES



SUMMARY

Power Supplies 5-4

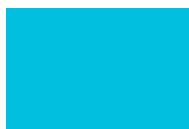
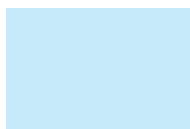


POWER SUPPLIES

SWITCHED-MODE POWER SUPPLIES 24 V DC



TYPE	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT POWER	OUTPUT RATED CURRENT	STOCK CODE	PRICE EACH (ZAR)
PSS24-W/0,65	100-240 V ac	24 V dc	15 W	0,65 A	13108240	1348,00
PSS24-W/1,3			30 W	1,3 A	13108202	1436,00
PSS24-W/2,2			50 W	2,2 A	13108203	1796,00
PSS24-W/3			70 W	3,0 A	13108241	2298,00
PSS24-W/5			120 W	5,0 A	13108206	2801,00
PSS24-W/7,5			180 W	7,5 A	13108242	3447,00
PSS24-W/10			240 W	10,0 A	13108244	4309,00

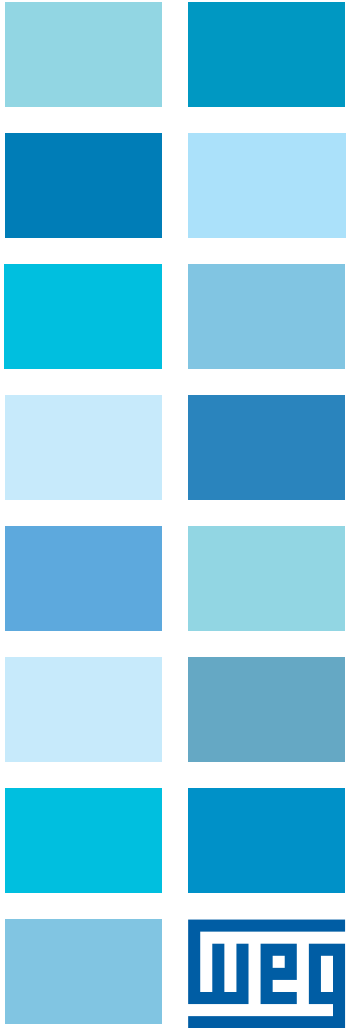
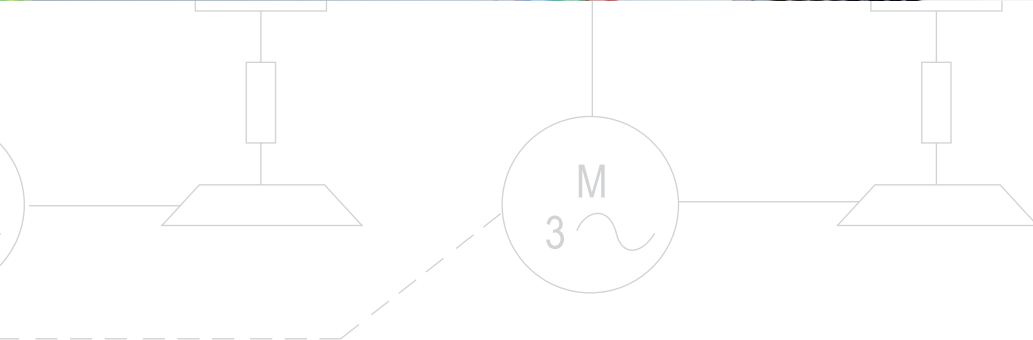
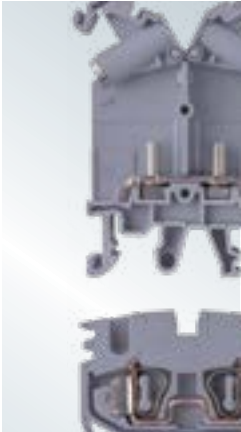
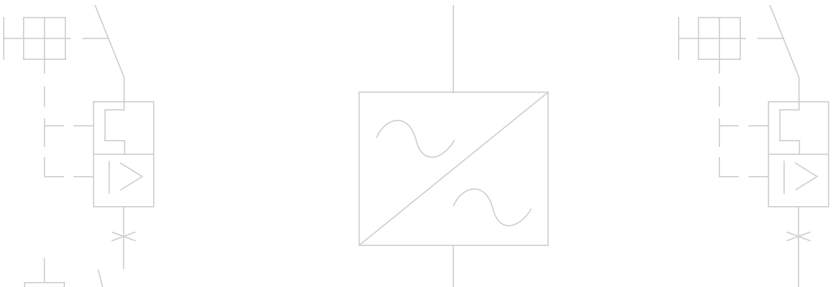


NOTES

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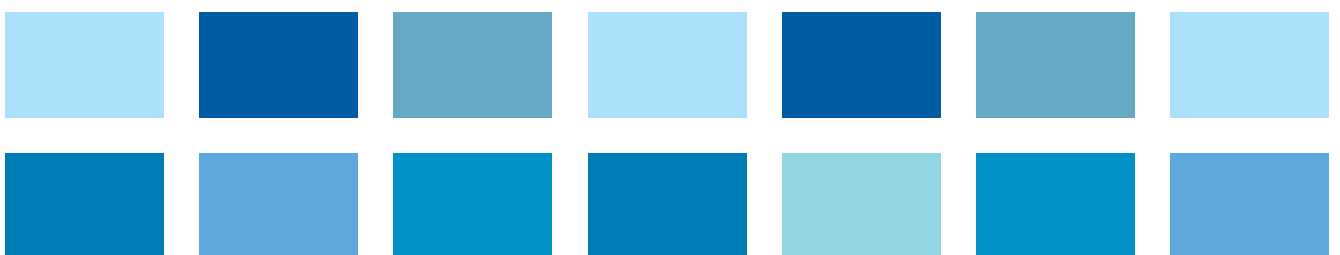
AUTOMATION

BOOK 6 - TERMINAL BLOCKS






SUMMARY

Screw Type Terminal Blocks - BTWP	6-4
Accessories for Screw Type Terminal Blocks	6-4
General Accessories for Terminal Blocks	6-4
Limit Switches.....	6-5





SCREW TYPE TERMINAL BLOCKS - BTWP

TERMINAL BLOCK	DESCRIPTION	CROSS-SECTION (mm ²)	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
 Standard type	Terminal 2,5 mm ²	2,5	100	BTWP 2,5 ¹⁾	10261734	12,00
	Terminal 4 mm ²	4	100	BTWP 4 ¹⁾	10261735	14,00
	Terminal 6 mm ²	6	100	BTWP 6 ¹⁾	10261736	18,00
	Terminal 10 mm ²	10	100	BTWP 10 ¹⁾	10261737	23,00
	Terminal 16 mm ²	16	50	BTWP 16 ¹⁾	10261738	36,00
	Terminal 35 mm ²	35	50	BTWP 35 ¹⁾	10261739	70,00
	Terminal 70 mm ²	70	10	BTWP 70 ¹⁾	10261740	170,00
 High current type	Terminal 95 mm ²	95	4	BTWP 95B	10261741	384,00
	Terminal 150 mm ²	150	4	BTWP 150B	10261742	485,00
	Terminal 240 mm ²	240	4	BTWP 240B	10261743	673,00
 Earth type	Earth terminal 2,5/4 mm ²	4	50	BTWP 2,5/4T-VD/AM ¹⁾	10261744	51,00
	Earth terminal 6/10 mm ²	10	25	BTWP 6/10T-VD/AM ¹⁾	10261745	61,00
	Earth terminal 16 mm ²	16	50	BTWP 16T-VD/AM ¹⁾	11716372	58,00
	Earth terminal 35 mm ²	35	40	BTWP 35T-VD/AM ¹⁾	11716376	105,00

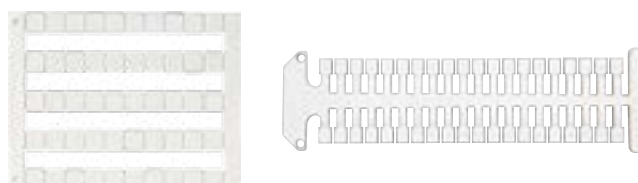
Note: 1) UL listed.

ACCESSORIES FOR SCREW TYPE TERMINAL BLOCKS

ACCESSORIES	DESCRIPTION	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
 End plate	End plate	100	TF-BTWP 2,5-10	10261763	6,00
	End plate	100	TF-BTWP 16	10261764	10,00
 Partition	Partition	25	PD-BTWP 2,5-10	10261773	9,00
	Partition	25	PD-BTWP 16	10261774	12,00
	Partition	25	PD-BTW 35 CZ	11546465	21,00

GENERAL ACCESSORIES FOR TERMINAL BLOCKS

BOX OF IDENTIFIER TAGS FOR TERMINAL BLOCKS - WITHOUT PRINT



DESCRIPTION	LENGTH	PACKING (UNIT)	TYPE	STOCK CODE	PRICE EACH (ZAR)
Tags for terminal blocks	5x5 mm	500	IDB5-BTW	10290300	3,00
Tags for terminal blocks	6x5 mm	400	IDG6/5-BTW	10289068	3,00
Tags for terminal blocks	10x5 mm	440	IDG10/5T-BTW	10890902	3,00
Tags for terminal blocks	10x6 mm	360	IDG10/6T-BTW	10890908	3,00

LIMIT SWITCHES

LSW - LIMIT SWITCHES PLASTIC BODY

	OPERATION DIAGRAM	RAM	REFERENCE	CONTACT ACTION	AUXILIARY CONTACTS	ACTUATOR MATERIAL	STOCK CODE	PRICE EACH (ZAR)
			LSW-PF10-P11	Snap	1NO + 1NC	Plastic	15229252	296,00
			LSW-PS10-P11	Slow	1NO + 1NC	Plastic	15229255	296,00
			LSW-PF10-P02	Snap	2NC	Plastic	15438032	296,00
			LSW-PF11-P11	Snap	1NO + 1NC	Plastic	15229256	296,00
			LSW-PS11-P11	Slow	1NO + 1NC	Plastic	15229338	296,00
			LSW-PF11-P02	Snap	2NC	Plastic	15438034	296,00
			LSW-PF12-P11	Snap	1NO + 1NC	Plastic	15229340	296,00
			LSW-PS12-P11	Slow	1NO + 1NC	Plastic	15229343	296,00
			LSW-PF12-P02	Snap	2NC	Plastic	15438035	296,00
			LSW-PF13-P11	Snap	1NO + 1NC	Plastic	15229345	319,00
			LSW-PS13-P11	Slow	1NO + 1NC	Plastic	15229347	319,00
			LSW-PF13-P02	Snap	2NC	Plastic	15438037	319,00
			LSW-PF14AP11	Snap	1NO + 1NC	Plastic	15229369	330,00
			LSW-PS14AP11	Slow	1NO + 1NC	Plastic	15229370	330,00
			LSW-PF14AP02	Snap	2NC	Plastic	15438079	330,00
			LSW-PF14ALP11	Snap	1NO + 1NC	Plastic	15229372	330,00
			LSW-PS14ALP11	Slow	1NO + 1NC	Plastic	15229374	330,00
			LSW-PF14ALP02	Snap	2NC	Plastic	15438082	330,00
			LSW-PF15-R11	Snap	1NO + 1NC	Plastic	15229376	387,00
			LSW-PS15-R11	Slow	1NO + 1NC	Rubber	15229377	387,00
			LSW-PF15-R02	Snap	2NC	Rubber	15438108	387,00




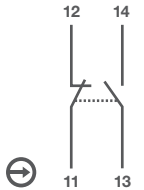

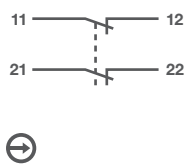

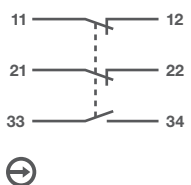
LIMIT SWITCHES

LSW - LIMIT SWITCHES PLASTIC BODY

	OPERATION DIAGRAM	RAM	REFERENCE	CONTACT ACTION	AUXILIARY CONTACTS	ACTUATOR MATERIAL	STOCK CODE	PRICE EACH (ZAR)
	0° 32° 85° 		LSW-PF16AR11	Snap	1NO + 1NC	Rubber	15229409	399,00
	0° 36° 45° 85° 		LSW-PS16AR11	Slow	1NO + 1NC	Rubber	15229410	399,00
	0° 32° 85° 		LSW-PF16AR02	Snap	2NC	Rubber	15438083	399,00
	0° 32° 85° 		LSW-PF16ALR11	Snap	1NO + 1NC	Rubber	15229411	399,00
	0° 36° 45° 85° 		LSW-PS16ALR11	Slow	1NO + 1NC	Rubber	15229412	399,00
	0° 32° 85° 		LSW-PF16ALR02	Snap	2NC	Rubber	15438085	399,00
	0 2 5.5 		LSW-PF18M11	Snap	1NO + 1NC	Metal	15229414	262,00
	0 1.6 2.1 5.5 		LSW-PS18M11	Slow	1NO + 1NC	Metal	15229415	262,00
	0 2 5.5 		LSW-PF18M02	Snap	2NC	Metal	15438086	262,00
	0 2 5.5 		LSW-PF19P11	Snap	1NO + 1NC	Plastic	15229416	273,00
	0 1.6 2.1 5.5 		LSW-PS19P11	Slow	1NO + 1NC	Plastic	15229417	273,00
	0 2 5.5 		LSW-PF19P02	Snap	2NC	Plastic	15392727	273,00
	0 2 5.5 		LSW-PF20M11	Snap	1NO + 1NC	Metal	15229448	273,00
	0 1.6 2.1 5.5 		LSW-PS20M11	Slow	1NO + 1NC	Metal	15229449	273,00
	0 2 5.5 		LSW-PF20M02	Snap	2NC	Metal	15438110	273,00
	0° 32° 85° 		LSW-PF21AF11	Snap	1NO + 1NC	Fiber	15229450	342,00
	0° 36° 45° 85° 		LSW-PS21AF11	Slow	1NO + 1NC	Fiber	15229451	342,00
	0° 32° 85° 		LSW-PF21AF02	Snap	2NC	Fiber	15438111	342,00
	0° 32° 85° 		LSW-PF22AM11	Snap	1NO + 1NC	Metal	15229452	335,00
	0° 36° 45° 85° 		LSW-PS22AM11	Slow	1NO + 1NC	Metal	15229454	335,00
	0° 32° 85° 		LSW-PF22AM02	Snap	2NC	Metal	15438112	335,00

LIMIT SWITCHES

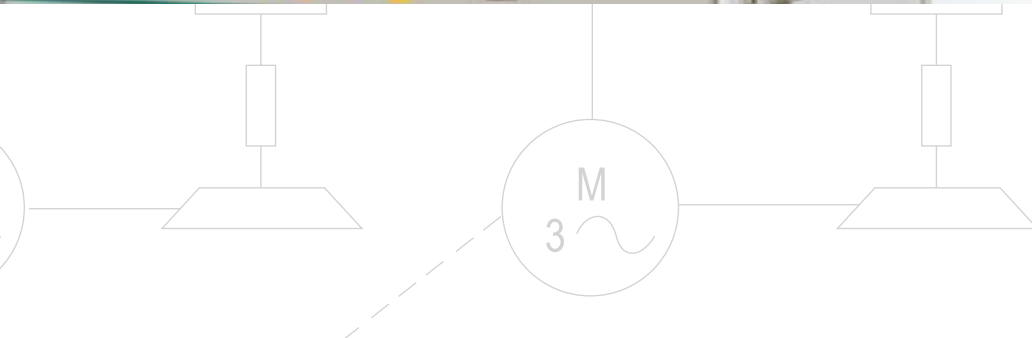
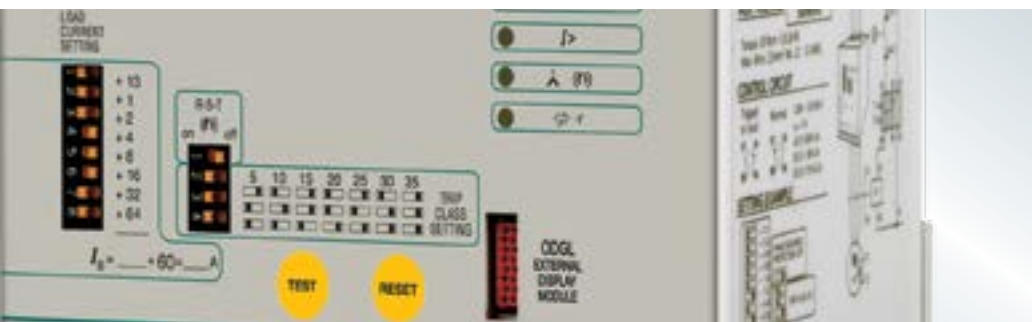
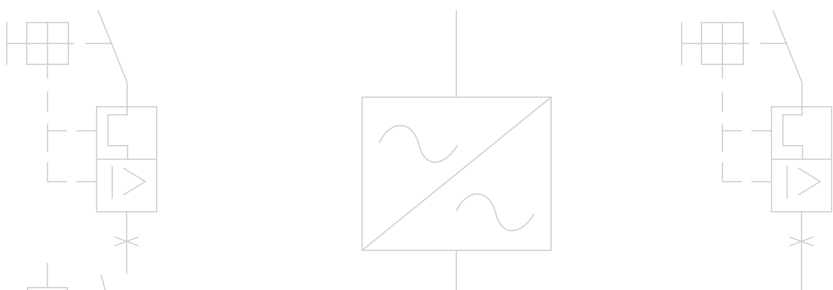
AUXILIARY CONTACT BLOCKS

	REFERENCE	CONTACT ACTION	AUXILIARY CONTACTS	DIAGRAM	STOCK CODE	PRICE EACH (ZAR)
	LSW-BCF11	Snap	1NO + 1NC		15254349	156,00
	LSW-BCS11	Slow	1NO + 1NC		15254350	156,00
	LSW-BCF02	Snap	2NC		15439108	156,00
	LSW-BCF21	Slow	1NO + 2NC		15254352	234,00



AUTOMATION

BOOK 7 - FANOX ELECTRONIC MOTOR PROTECTION



SUMMARY

Fanox - Electronic Motor Protection	7-4
Fanox - Electronic Measurement & Control	7-6



FANOX - ELECTRONIC MOTOR PROTECTION

BASIC MOTOR PROTECTION - TYPE "C"



DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
1.5-4kW, 3ph Electronic Motor Protection Relay, Range: 3-9.3amp, 115 VAC Control	11202	C9.115V	F0000001	3673,00
1.5-4kW, 3ph Electronic Motor Protection Relay, Range: 3-9.3amp, 230 VAC Control	11203	C9.230V	F0000002	3673,00
5.5-9kW, 3ph Electronic Motor Protection Relay, Range: 9-21.6amp, 115 VAC Control	11222	C21.115V	F0000003	4485,00
5.5-9kW, 3ph Electronic Motor Protection Relay, Range: 9-21.6amp, 230 VAC Control	11223	C21.230V	F0000004	4485,00
11-22kW, 3ph Electronic Motor Protection Relay, Range: 20-45.2amp, 115 VAC Control	11242	C45.115V	F0000005	5617,00
11-22kW, 3ph Electronic Motor Protection Relay, Range: 20-45.2amp, 230 VAC Control	11243	C45.230V	F0000006	5617,00

INTERGRAL MOTOR PROTECTION - TYPE GL"



DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
2.2-7.5kW, 3ph Electronic Motor Protection Relay, Range: 4-16.7amp, 115 VAC Control	11302	GL16.115V	F0000007	4604,00
2.2-7.5kW, 3ph Electronic Motor Protection Relay, Range: 4-16.7amp, 230 VAC Control	11303	GL16.230V	F0000008	4604,00
7.5-18.5kW, 3ph Electronic Motor Protection Relay, Range: 15-40.5amp, 115 VAC Control	11322	GL40.115V	F0000009	5143,00
7.5-18.5kW, 3ph Electronic Motor Protection Relay, Range: 15-40.5amp, 230 VAC Control	11323	GL40.230V	F0000010	5143,00
22-45kW, 3ph Electronic Motor Protection Relay, Range: 40-91amp, 115 VAC Control	11342	GL90.115V	F0000011	5556,00
22-45kW, 3ph Electronic Motor Protection Relay, Range: 40-91amp, 230 VAC Control	11343	GL90.230V	F0000012	5556,00

UNLOAD MOTOR PROTECTION BY COS - TYPE PF"



DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
1.5-7.5kW, 3Ph Pump Protection Relay, Range: 4-16.6amp, 400VAC Control	12165	PF16-R.400V	F0000013	3795,00
7.5-22kW, 3Ph Pump Protection Relay, Range: 16-47.5amp, 400VAC Control	12167	PF47-R.400V	F0000014	4196,00

UNLOAD MOTOR PROTECTION BY UNDERCURRENT - TYPE "P"



DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
3-7kW, 3ph Motor Protection Relay, U/L Protection, Range 7-19.6amp 115V Control	11402	P19.115V	F0000016	4492,00
3-7kW, 3ph Motor Protection Relay, U/L Protection, Range 7-19.6amp 230V Control	11403	P19.230V	F0000017	4492,00
9.2-20kW, 3ph Motor Protection Relay, U/L Protection, Range 19 - 44.2amp 115V Control	11422	P44.115V	F0000018	5073,00
9.2-20kW, 3ph Motor Protection Relay, U/L Protection, Range 19 - 44.2amp 230V Control	11423	P44.230V	F0000019	5073,00
20-40kW, 3ph Motor Protection Relay, U/L Protection, Range 40 - 90.4amp 115V Control	11442	P90.115V	F0000020	5255,00
20-40kW, 3ph Motor Protection Relay, U/L Protection, Range 40 - 90.4amp 230V Control	11443	P90.230V	F0000021	5255,00

FANOX - ELECTRONIC MOTOR PROTECTION

MOTOR MANAGEMENT SYSTEMS RELAY BASE - TYPE "PBM"



DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
0.8...6A Motor Management Relay, Control Supply 110/230VAC/DC	17000	PBM.B11	F0000022	11802,00
4...25A Motor Management Relay, Control Supply 110/230VAC/DC	17001	PBM.B51	F0000023	11802,00
0.8...6A Motor Management Relay, Control Supply 24/48VDC	17002	PBM.B12	F0000024	13306,00
4...25A Motor Management Relay, Control Supply 24/48VDC	17003	PBM.B52	F0000025	13306,00

MOTOR MANAGEMENT SYSTEMS - HMI

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
HMI Display	17006	PBM.HE	F0000026	#N/A

MOTOR MANAGEMENT SYSTEMS - INTERFACE CABLE

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
0.5m Interface cable, from PBM.B RJ45 to PBM.H.RJ45	17008	PBM.C1	F0000027	173,00
1m Interface cable, from PBM.B RJ45 to PBM.H.RJ45	17009	PBM.C2	F0000028	192,00



SINGLE PHASE PUMP PROTECTION - UNLOAD PROTECTION BY UNDERCURRENT - TYPE "PS"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
0.37-1.5kW, 1Ph Pump Protection Relay, Range: 3-11amp, 230VAC Control	12164	PS11.230V	F0000029	2106,00



GENERATOR PROTECTION - TYPE "GEN"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Generator protection Relay Range: 4 - 10,3amp, 24VDC Control	11350	GEN10.24VDC	F0000030	4308,00

FANOX - MOTOR PROTECTION RELAY - ACCESSORIES



DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
External Display Module for C9/C21/C45 Motor Protection Relay	12530	OD.C	F0000031	607,00
External Display Module for GL16/GL40/ GL90 Motor Protection Relay	12535	OD.GL	F0000032	615,00
External Display Module for Pump Protection Relay	12540	OD.P	F0000033	752,00
External Display Module for Pump Protection Relay	12555	OD.PF	F0000034	644,00
External Display Module for Generator Protection Relay	12545	OD.GEN	F0000036	547,00

MOTOR MANAGEMENT SYSTEM - TOROIDAL TRANSFORMERS (CT'S)

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Ø35mm Internal Diameter	41060	CT1/35	F0000037	772,00
Ø60mm Internal Diameter	41065	CT1/60	F0000038	973,00
Ø80mm Internal Diameter	41070	CT1/80	F0000039	1268,00
Ø110mm Internal Diameter	41075	CT1/110	F0000040	1853,00
Ø160mm Internal Diameter	41080	CT1/160	F0000041	4545,00
Ø210mm Internal Diameter	41085	CT1/210	F0000042	5886,00

FANOX - ELECTRONIC MEASUREMENT & CONTROL

THERMISTOR SENSORS

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Thermistor Sensor Internal Mounting, 1200C \geq 1330 Ω	41700	PTC120	F0000043	195,00
Thermistor Sensor External Mounting, 700C \geq 1330 Ω	41705	PTCEX70	F0000044	161,00



FANOX - CONTROL RELAY - PHASE RELAY - TYPE "S"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Phase Relay 400 Volt	12034	S4.400V	F0000045	1691,00



THERMISTOR PROTECTION RELAY - TYPE "MT"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Thermistor Protection Relay	12039	MT.230V	F0000046	2149,00



MULTI FUNCTIONAL DIGITAL TIMER - TYPE "MTR"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Multi Function Timer	12110	MTR-10	F0000047	3325,00



SINGLE PHASE VOLTAGE RELAY - TYPE "U1"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Control relay	12027	U1D.230V	F0000048	2218,00

EARTH LEAKAGE RELAY - TYPE "ELR"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Earth Leakage relay, sensitivity 0.025-25A, Adjustable trip delay 0.02-5s, Control Voltage 110/230VAC	41015	ELR.A	F0000049	4925,00
Earth Leakage relay, sensitivity 0.025-25A, Adjustable trip delay 0.02-5s, Control Voltage 110/230VAC	41105	ELR.T60	F0000050	5158,00
Earth Leakage relay, sensitivity 0.025-25A, Adjustable trip delay 0.02-5s, Control Voltage 110/230VAC	41000	ELR-3C	F0000051	3735,00



EARTH LEAKAGE RELAY - TYPE "D300"

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Earth Leakage relay, sensitivity 0.03 - 30A, Adjustable trip delay 0.02 - 5s, Control Voltage 110VAC	41020	D30	F0000052	3540,00
Earth Leakage relay, sensitivity 0.03 - 30A, Adjustable trip delay 0.02 - 5s, Control Voltage 230VAC	11500	DM30	F0000053	6211,00



FANOX SURGE ARRESTOR - CLASS C - TYPE II

DESCRIPTION	FANOX ARTICLE NUMBER	FANOX TYPE	STOCK CODE	PRICE EACH (ZAR)
Single Pole Surge Protector - Class "C" Type II	41600	VP C40 275/1	F0000054	534,00
Three Pole Surge Protector - Class "C" Type II	41609	VP C40 250/NPE	F0000055	2139,00
Double Pole Surge Protector - Class "C" Type II	41603	VP C40 275/2	F0000056	1047,00

NOTES

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Driving efficiency and sustainability

