



PRICE LIST

Volume 1

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INTRODUCTION

Electech LS, a specialist division of Bidvest Electrical, is the representative distributor of LS Industrial Systems in Southern Africa and is one of South Africa's largest Low Voltage and Medium Voltage switchgear and motor control suppliers.

Electech LS is an ISO9001 certified company that is committed to the supply of constantly high quality electrical switchgear and solutions complying with all international and local standards. We aim to become the preferred supplier to all our existing and future customers through the use of our expertise, staff knowledge and value added services.

LS Cast Resin Transformer

Available from 20KVA up to 20'000KVA

The LS CRT has succeeded in combining the advantage of oil-filled and conventional dry type transformers, which are fabricated with an epoxy resin. The windings are completely embedded under vacuum conditions. This casting method makes it possible to assure void-free epoxy penetration of both the inner layer and turn to turn insulation.

LS CRT will not emit oil or toxic gases into the atmosphere, making the CRT environmentally safe.

LS Susol Vacuum Circuit Breaker

Available from 7.2kV up to 40.5kV and 400A up to 3150A

Installed in medium voltage distribution lines and meeting the need for breakers with a high interrupting capacity (3 cycles) and large current, VCB is designed to protect the life and load of equipment. Suitable for use as the main circuit breaker to protect key installations, the VCB is ideally suited for, but not limited to, power plants, high-rise buildings and large ship applications.

LS Susol Ring Main Unit

Available from 712kV up to 24kV

The LS Susol Ring Main Unit (RMU) is a compact ring main unit combining all MV functional units to enable the supply and protection of transformers on a secondary distribution network. It is the perfect solution for, but not limited to, compact substations, residential housing complexes, airports and wind power plants, particularly where space is limited.

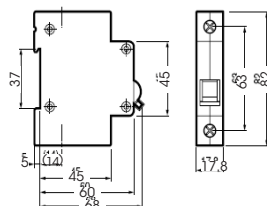
MINIATURE CIRCUIT BREAKERS C-CURVE

SANS60947-2

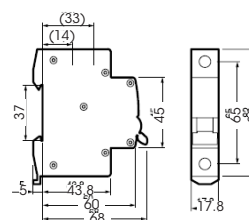
Lug Type
230/400VAC
Din rail mount
17.8mm per Pole

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKN	1P	C-Curve	6KA	1A	E0000087	R 70.00	R 10.50	R 80.50
					2A	E0000089			
					3A	E0001000			
					4A	E0000092			
					6A	E0000098	R 66.00	R 9.90	R 75.90
					10A	E0000102			
					16A	E0000109			
					20A	E0000113			
					25A	E0000114			
					32A	E0000117			
					40A	E0000123			
					50A	E0000125	R 77.00	R 11.55	R 88.55
					63A	E0000126			
	BKN	1P+N	C-Curve	6KA	1A	***	R 110.00	R 16.50	R 126.50
					2A	E0003583			
					3A	***			
					4A	***			
					6A	E0003584	R 103.00	R 15.45	R 118.45
					10A	E0002872			
					16A	E0000152			
					20A	E0000153			
					25A	E0000154			
					32A	E0000155			
					40A	E0000156			
					50A	E0002873	R 118.00	R 17.70	R 135.70
					63A	E0000157			
	BKN	2P	C-Curve	6KA	1A	***	R 154.00	R 23.10	R 177.10
					2A	E0001593			
					4A	E0000158			
					6A	E0000159			
					10A	E0000160	R 150.00	R 22.50	R 172.50
					16A	E0000161			
					20A	E0000162			
					25A	E0000200			
					32A	E0000163			
					40A	E0000201			
					50A	E0000202	R 157.00	R 23.55	R 180.55
					63A	E0000164			

BKN



BKN-B



MINIATURE CIRCUIT BREAKERS C-CURVE

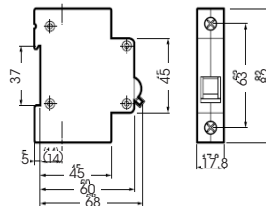
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Lug Type
230/400VAC
Din rail mount
17.8mm per pole

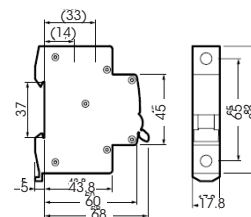
LS MCB

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKN	3P	C-Curve	6KA	1A	***	R 242.00	R 36.30	R 278.30
					2A	***			
					4A	***			
					6A	E0001097	R 230.00	R 34.50	R 264.50
					10A	E0000167			
					16A	E0000168			
					20A	E0000169			
					25A	E0000170			
					32A	E0000171			
					40A	E0000172			
					50A	E0000173	R 245.00	R 36.75	R 281.75
					63A	E0000174			
	BKN	3P+N	C-Curve	6KA	1A	E0002386	R 257.00	R 38.55	R 295.55
					2A	E0002390			
					4A	E0002406			
					6A	***	R 230.00	R 34.50	R 264.50
					10A	E0002418			
					16A	E0002428			
					20A	E0002435			
					25A	E0002444			
					32A	E0002448			
					40A	E0000124	R 275.00	R 41.25	R 316.25
					50A	E0002461			
					63A	E0002463			
	BKN	4P	C-Curve	6KA	1A	E0002387	R 314.00	R 47.10	R 361.10
					2A	E0002391			
					4A	E0002410			
					6A	E0002411	R 303.00	R 45.45	R 348.45
					10A	E0002419			
					16A	E0000111			
					20A	E0002436			
					25A	E0002445			
					32A	E0000118			
					40A	E0003716	R 369.00	R 55.35	R 424.35
					50A	E0002462			
					63A	E0001615			

BKN



BKN-B



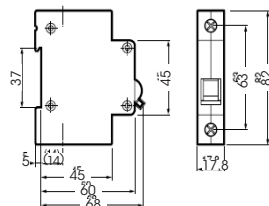
MINIATURE CIRCUIT BREAKERS C-CURVE

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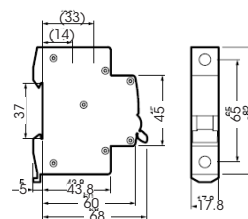
Lug Type
230/400VAC
Din rail mount
17.8mm per Pole

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKN-b	1P	C-Curve	10KA	1A	***	R 118.00	R 17.70	R 135.70
					2A	E0003196			
					4A	E0002421			
					6A	E0001128	R 106.00	R 15.90	R 121.90
					10A	E0000103			
					16A	E0000104			
					20A	E0000105			
					25A	E0000115			
					32A	E0000119			
					40A	E0000106			
					50A	E0000107	R 124.00	R 18.60	R 142.60
					63A	E0000128			
	BKN-b	1P+N	C-Curve	10KA	1A	E0002449	R 169.00	R 25.35	R 194.35
					2A	E0000120			
					4A	***			
					6A	E0002457	R 150.00	R 22.50	R 172.50
					10A	E0002450			
					16A	E0002451			
					20A	E0002452			
					25A	E0002453			
					32A	E0002458			
					40A	E0002456	R 202.00	R 30.30	R 232.30
					50A	E0000121			
					63A	E0003384			
	BKN-b	2P	C-Curve	10KA	1A	E0002388	R 253.00	R 37.95	R 290.95
					2A	E0000993			
					4A	E0000994			
					6A	E0000088	R 242.00	R 36.30	R 278.30
					10A	E0002422			
					16A	E0000995			
					20A	E0000090			
					25A	E0000116			
					32A	***			
					40A	E0000998	R 263.00	R 39.45	R 302.45
					50A	E0000999			
					63A	E0002464			

BKN



BKN-B



MINIATURE CIRCUIT BREAKERS C-CURVE

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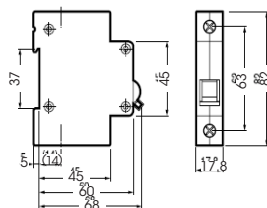


Lug Type
230/400VAC
Din rail mount
17.8mm per Pole

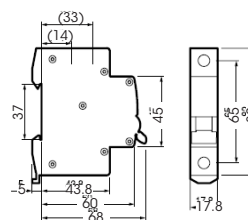
LS MCB

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKN-b	3P	C-Curve	10KA	1A	***	R 432.00	R 64.80	R 496.80
					2A	***			
					4A	***			
					6A	E0000093	R 373.00	R 55.95	R 428.95
					10A	E0000094			
					16A	E0001001			
					20A	E0000095			
					25A	E0000096			
					32A	E0000097			
					40A	E0000099			
					50A	E0000100	R 439.00	R 65.85	R 504.85
					63A	E0000101			
	BKN-b	3P+N	C-Curve	10KA	1A	***	R 486.00	R 72.90	R 558.90
					2A	***			
					4A	***			
					6A	***	R 465.00	R 69.75	R 534.75
					10A	***			
					16A	***			
					20A	***			
					25A	***			
					32A	***			
					40A	E0002433	R 523.00	R 78.45	R 601.45
					50A	***			
					63A	E0002465			
	BKN-b	4P	C-Curve	10KA	1A	***	R 589.00	R 88.35	R 677.35
					2A	***			
					4A	***			
					6A	***	R 571.00	R 85.65	R 656.65
					10A	E0002425			
					16A	***			
					20A	***			
					25A	***			
					32A	***			
					40A	E0002442	R 622.00	R 93.30	R 715.30
					50A	E0002443			
					63A	E0000130			

BKN



BKN-B



MINIATURE CIRCUIT BREAKERS C-CURVE

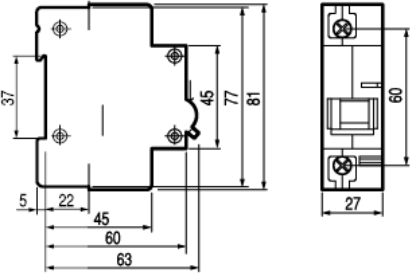
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Lug Type
230/400VAC
Din rail mount
27mm per pole

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKH	1P	C-Curve	10KA	63A	E0000139	R 216.00	R 32.40	R 248.40
					80A	E0000140			
					100A	E0000141			
					125A	E0000142			
		2P	C-Curve	10KA	63A	***	R 442.00	R 66.30	R 508.30
					80A	E0000198			
					100A	E0003579			
					125A	E0002489			
	BKH	3P	C-Curve	10KA	63A	E0000146	R 691.00	R 103.65	R 794.65
					80A	E0000147			
					100A	E0000148			
					125A	E0000144			
		4P	C-Curve	10KA	63A	E0002468	R 906.00	R 135.90	R 1,041.90
					80A	E0002469			
					100A	E0002467			
					125A	E0000145			

BKH



MINIATURE CIRCUIT BREAKERS D-CURVE

SANS60947-2

Lug Type
230/400VAC
Din rail mount
17.8mm per Pole

LS MCB

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKN	1P	D-Curve	6KA	1A	E0001616	R 70.00	R 10.50	R 80.50
					2A	E0000191			
					4A	E0002477			
					6A	E0000192	R 66.00	R 9.90	R 75.90
					10A	E0000131			
					16A	E0000132			
					20A	E0000133			
					25A	E0000134			
					32A	E0000135			
					40A	E0000136			
					50A	E0000137	R 77.00	R 11.55	R 88.55
					63A	E0000138			
	BKN	3P	D-Curve	6KA	1A	***	R 242.00	R 36.30	R 278.30
					2A	***			
					4A	***			
					6A	E0001109	R 230.00	R 34.50	R 264.50
					10A	E0000178			
					16A	E0000179			
					20A	E0000180			
					25A	E0000181			
					32A	E0000182			
					40A	E0000183	R 245.00	R 36.75	R 281.75
					50A	E0000184			
					63A	E0000185			
	BKN-b	1P	D-Curve	10KA	1A	E0003165	R 118.00	R 17.70	R 135.70
					2A	***			
					4A	E0002383			
					6A	E0002384	R 106.00	R 15.90	R 121.90
					10A	E0003161			
					16A	E0002385			
					20A	E0001124			
					25A	E0000992			
					32A	E0001253			
					40A	E0001125	R 124.00	R 18.60	R 142.60
					50A	E0001126			
					63A	E0001127			

MINIATURE CIRCUIT BREAKERS D-CURVE

SANS60947-2

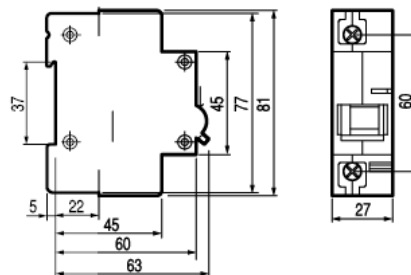
Lug Type
230/400VAC
Din rail mount
17.8mm per Pole

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKN-b	3P	D-Curve	10KA	1A	E0002412	R 432.00	R 64.80	R 496.80
					2A	***			
					4A	***			
					6A	E0001921	R 373.00	R 55.95	R 428.95
					10A	E0002416			
					16A	E0002417			
					20A	E0001922			
					25A	E0003160			
					32A	E0003169			
					40A	E0003170			
					50A	E0003163	R 439.00	R 65.85	R 504.85
					63A	E0000108			

Lug Type
230/400VAC
Din rail mount
27mm per Pole

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BKH	1P	D-Curve	10KA	63A	***	R 216.00	R 32.40	R 248.40
					80A	E0000197			
					100A	E0002466			
					125A	E0002488	R 420.00	R 63.00	R 483.00
		3P	D-Curve	10KA	63A	E0000149	R 691.00	R 103.65	R 794.65
					80A	E0000150			
					100A	E0000151			
					125A	E0000199	R 808.00	R 121.20	R 929.20

BKH



ISOLATOR DIN RAIL

230/400VAC
Din rail mount
17.8mm per pole

LS MCB

Classification	Series Code	Pole	Ui	Amp	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	BKD	1P	AC240/ 415V	63A	E0003036	R 66.00	R 9.90	R 75.90
		2P		40A	E0003176	R 118.00	R 17.70	R 135.70
				63A	E0000165			
				80A	A0002921			
				100A	E0000166			
		3P		63A	E0000175	R 180.00	R 27.00	R 207.00
				80A	E0000176			
				100A	E0000177			
				125A	E0000186			

EARTH LEAKAGE (RCCB)

SANS61008-1

230/400VAC
Din rail mount
17.8mm per pole
Ground Fault Type

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT			
			mA	KA	Amp							
 	RKN	1P+N	30mA	6KA Conditional	25A	E0000195	R 552.00	R 82.80	R 634.80			
					32A	E0000203						
					40A	E0000188						
					63A	E0000189						
	RKN-B			10KA Conditional	63A	E0012184	R 884.00	R 132.60	R 1,016.60			
					80A	E0002367						
					100A	E0002916						
	RKN			3P+N	30mA	6KA Conditional	25A	E0003164	R 788.00	R 118.20	R 906.20	
		40A	E0003179									
		63A	E0000190				R 884.00	R 132.60				R 1,016.60
		63A	E0003151									
		100mA	80A		E0002368							
			30mA		10KA Conditional		100A	E0002369	R 1,340.00	R 201.00	R 1,541.00	

Conditional short-circuit current is defined as the value of the alternating current (a.c) component of a prospective current, which a switch without integral short-circuit protection, but protected by a suitable short circuit protective device (MCB) in series, can withstand for the operating time of the current under specified test.

Classification	Series Code	Type	For MCB Range	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AX	Auxiliary 1NO+1NC 6A	BKN	E0000187	R 162.00	R 24.30	R 186.30
			BKN-B	E0011196	R 192.00	R 28.80	R 220.80
	SHT	Shunt trip 24VAC	BKN	E0003585	R 162.00	R 24.30	R 186.30
		Shunt Trip 240VAC		E0012836	POR	POR	POR
	AL	No Alarm Auxiliary 6A	BKN	E0002914	POR	POR	POR
			BKN-B	***	POR	POR	POR
	BB101	1P Busbar 63A, 415VAC, 1m Length	BKN 1P	E0000072	R 191.00	R 25.65	R 219.00
			BKN-B 1P				
	BB201	2P Busbar 63A, 415VAC, 1m Length	BKN 2P	E0000073	R 336.00	R 50.40	R 386.40
			BKN-B 2P				
	BB301	3P Busbar 63A, 415VAC, 1m Length	BKN 3P	E0000074	R 538.00	R 80.70	R 618.70
			BKN-B 3P				
	Blank	DB Blank Strip	6way	E0003212	R 41.00	R 6.15	R 47.15

EARTH LEAKAGE (RCBO)

SANS61009-1

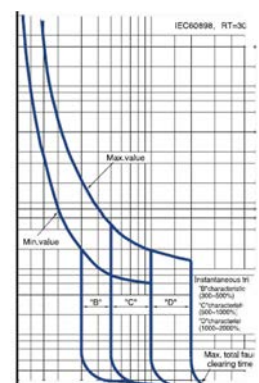
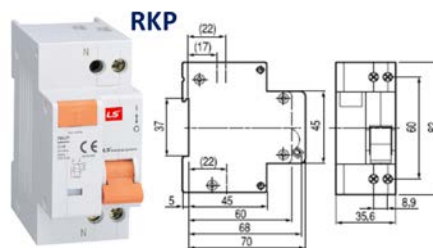
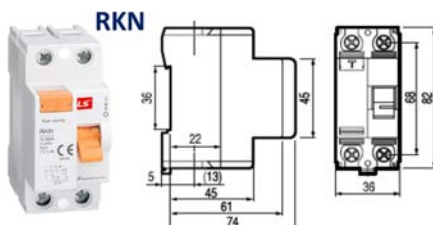
230/400VAC

Din rail mount

17.8mm per pole, with Overcurrent Protection C-Curve

Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT	
			Amp	mA	KA					
	RKP	1P+N	16A	30mA	4.5KA	E0002483	R 384.00	R 57.60	R 441.60	
			20A			E0000193				
			25A			E0002484				
			32A			E0000194				
	RKS				10A	10KA	E2612	POR	POR	POR
					20A		E2485	POR	POR	POR
					32A		E2486	POR	POR	POR

LS ELCBs is a current rated type, i.e. RCD. Both supply and return (Live+Neutral) are run through a sensing coil, any imbalance of the currents means the magnetic field does not perfectly cancel. The device detects the imbalance and trips as a safety precaution.



LS DC MINIATURE CIRCUIT BREAKERS

Solar power, renewable suitable for DC power source
 Maximum working voltage: DC1,000V
 Voltage per Pole: DC250V
 Rating and number of poles: 1~63A, 2 and 4 pole
 Rated voltage: DC500/1000V
 Rated breaking capacity: 10kA
 Trip characteristic: C-Curve

250VDC per Pole
 Din rail mount
 17.8mm per Pole



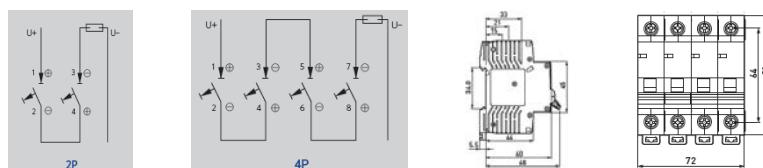
Classification	Series Code	Pole	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Curve	KA	Amp				
	BK63H DC MCB	2P	C-Curve	10KA 500VDC	10A	E0012168	R 889.00	R 133.35	R 1,022.35
					16A	E0012567			
					20A	E0012169			
					25A	E0012568			
					32A	E0012170			
					40A	E0012171			
					50A	E0012569			
					63A	E0012172			
	BK63H DC MCB	4P	C-Curve	10KA 1000VDC	10A	E0012173	R 1,788.00	R 268.20	R 2,056.20
					16A	E0012570			
					20A	E0012174			
					25A	E0012571			
					32A	E0012175			
					40A	E0012176			
					50A	E0012572			
					63A	E0012177			

Note: 1p/3p MCB are available on request.

DC MINIATURE CIRCUIT BREAKERS C-CURVE ACCESSORIES

Classification	Series Code	Type	For MCB Range	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AX-H	Auxiliary 1NO+1NC; DC 6A at 24V, 2A at 48V, 1A at 125V	BK63H	E0012573	POR	POR	POR
	AL-H	Alarm Auxiliary; DC 6A at 24V, 2A at 48V, 1A at 125V		E0012574	POR	POR	POR
	SHT-H	Shunt Trip DC24-220V		E0012575	POR	POR	POR
		Shunt Trip AC110-380V		E0012576			

DC connection wiring diagrams:



LS SURGE PROTECTION DEVICES



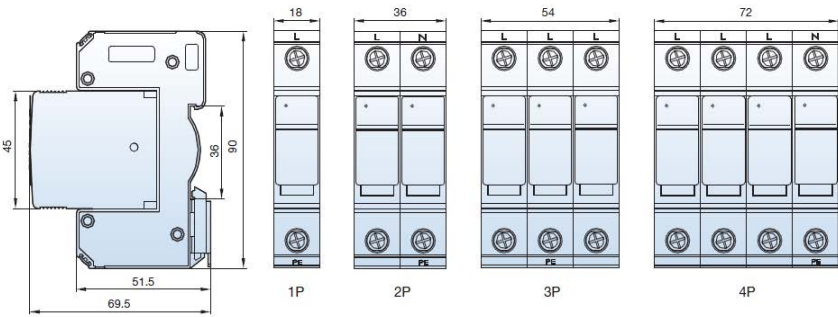
Distribution class SPD
 Rated voltage: AC230/440V
 Easy MOV replacement system
 Red lever blow indication
 Din rail mount 35mm



LS SPD

Classification	Series Code	Test Class	Discharge Current (KA)			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Nominal	Maximum	Pole				
	BK10S-T2	Class II ≤1.5KV	10KA	20KA	1P	E0012221	R 841.00	R 126.15	R 967.15
					2P	E0012577	R 1,300.00	R 195.00	R 1,495.00
					3P	E0012578	R 1,374.00	R 206.10	R 1,580.10
					4P	E0012222	R 3,026.00	R 453.90	R 3,479.90
	BK20S-T2	Class II ≤1.8KV	20KA	40KA	1P	E0012219	R 926.00	R 138.90	R 1064.00
					2P	E0012579	R 1,362.00	R 204.30	R 1,566.30
					3P	E0012580	R 1,536.00	R 230.40	R 1,766.40
					4P	E0012220	R 4,221.00	R 633.15	R 4,854.15

BK10S/BK20S



Distribution Board Populated Flush

Classification	Series Code	Amp	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
  24-Way Populated Distribution	1x RKN 1P+N 63A 30mA RCD	8-Way Flush Mount	C0007627	R 1,282.00	R 192.30	R 1,474.30
	1x BKN 1P C32A 6KA MCB					
	3x BKN 1P C20A 6KA MCB					
	1x BKN 1P C10A 6KA MCB					
	1x BKN 1P+N C63A 6KA MCB	12-Way Flush Mount	C0007541	R 1,740.00	R 261.00	R 2,001.00
	1x RKN 1P+N 63A 30mA RCD					
	1x BKN 1P C32A 6KA MCB					
	3x BKN 1P C20A 6KA MCB					
	1x BKN 1P C10A 6KA MCB	16-Way Flush Mount	C0007543	R 1,918.00	R 287.70	R 2,205.70
	1x BKN 1P+N C63A 6KA MCB					
	1x RKN 1P+N 63A 30mA RCD					
	1x BKN 1P C32A 6KA MCB					
	4x BKN 1P C20A 6KA MCB	24-Way Flush Mount	C0007545	R 2,094.00	R 314.10	R 2,408.10
	2x BKN 1P C10A 6KA MCB					
	1x BKN 1P+N C63A 6KA MCB					
	1x RKN 1P+N 63A 30mA RCD					
	1x BKN 1P C32A 6KA MCB					
	4x BKN 1P C20A 6KA MCB					
	2x BKN 1P C10A 6KA MCB					

Distribution Board Populated Surface

Classification	Series Code	Amp	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
  24-Way Populated Distribution	1x RKN 1P+N 63A 30mA RCD	8-Way Surface Mount	C0007626	R 1,250.00	R 187.50	R 1,437.50
	1x BKN 1P C32A 6KA MCB					
	3x BKN 1P C20A 6KA MCB					
	1x BKN 1P C10A 6KA MCB					
	1x BKN 1P+N C63A 6KA MCB	12-Way Surface Mount	C0007540	R 1,450.00	R 217.50	R 1,667.50
	1x RKN 1P+N 63A 30mA RCD					
	1x BKN 1P C32A 6KA MCB					
	3x BKN 1P C20A 6KA MCB					
	1x BKN 1P C10A 6KA MCB	16-Way Surface Mount	C0007542	R 1,874.00	R 281.10	R 2,155.10
	1x BKN 1P+N C63A 6KA MCB					
	1x RKN 1P+N 63A 30mA RCD					
	1x BKN 1P C32A 6KA MCB					
	4x BKN 1P C20A 6KA MCB	24-Way Surface Mount	C0007544	R 2,125.00	R 318.75	R 2,443.75
	2x BKN 1P C10A 6KA MCB					
	1x BKN 1P+N C63A 6KA MCB					
	1x RKN 1P+N 63A 30mA RCD					
	1x BKN 1P C32A 6KA MCB					
	4x BKN 1P C20A 6KA MCB					
	2x BKN 1P C10A 6KA MCB					

Custom DB configurations are available. Please contact our offices for quotations on custom populated DBs.

Classification	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	No Bulkhead	Main	1x RKN 1P+N 63A 30mA RCD	D0003259	R 1,566.00	R 234.90	R 1,800.90
		Plugs	2x BKN 1P C20A 6KA				
		High Plug	1x 16A SWO				
		Low Plug	2x 16A SWO				
	With Bulkhead	Main	1x RKN 1P+N 63A 30mA RCD	I0002103	R 1,740.00	R 261.00	R 2,001.00
		Plugs	2x BKN 1P C20A 6KA				
		High Plug	1x 16A SWO				
		Low Plug	2x 16A SWO				
		Bulk Head	1x 60Watt BC				
		Light Switch	1x 1-Lever Switch				

The ready board is a safe and convenient way for basic electrical access to communities, private establishments, lapa's etc.

EMPTY DISTRIBUTION BOARDS

Classification	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 Flush Distribution Board	Empty flush mount DB complete with DIN rail, earth and 2x neutral bars	8-Way	C0007556	R 288.00	R 43.20	R 331.20
		12-Way	C0001695	R 354.00	R 53.10	R 407.10
		16-Way	C0001697	R 430.00	R 64.50	R 494.50
		24-Way	C0001699	R 609.00	R 91.35	R 700.35
	Empty Surface mount DB complete with DIN rail, earth and 2 neutral bars	8-Way	C0007558	R 265.00	R 39.75	R 304.75
		12-Way	C0001689	R 339.00	R 50.85	R 389.85
		16-Way	C0001691	R 406.00	R 60.90	R 466.90
		24-Way	C0001693	R 592.00	R 88.80	R 680.80

ENCLOSURES

Classification	Type	Configuration HxWxD	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	Standard orange Enclosure Includes mounting brackets and bottom gland plate 1.2mm Panel 1.5mm Door Mild Steel	250x200x150	C0001221	R 945.00	R 141.75	R 1,086.75
		300x250x150	***	R 1,175.00	R 176.25	R 1,351.25
		400x300x200	L0002215	R 1,540.00	R 231.00	R 1,771.00
		500x400x200	L0002216	R 2,415.00	R 362.25	R 2,777.25
		600x500x250	C0001461	R 3,200.00	R 480.00	R 3,680.00
		700x500x250	L0002220	R 3,560.00	R 534.00	R 4,094.00
		800x600x250	C0001224	R 4,680.00	R 702.00	R 5,382.00
		1000x800x300	C0001225	R 7,870.00	R 1,180.50	R 9,050.50
		1200x800x300	L0000029	R 9,400.00	R 1,410.00	R 10,810.00

Custom enclosures and distribution boards are available on request as well as the type tested Elsteel enclosures.



MOULDED CASE CIRCUIT BREAKER THERMAL/MAGNETIC 3-POLE

Ics = 100% of Icu
Ui = 750VAC
Uimp = 8kV

Fixed Type MCCB

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				220V	460V				
	ABN53c	15A	3P	30KA	14KA	E0012164	R 951.00	R 142.65	R 1,093.65
		20A				E0012165			
		30A				E0003719			
		40A				E0003177			
	ABN63c	60A	3P	30KA	14KA	E0003126	R 1,079.00	R 161.85	R 1,240.85
	ABN103c	30A	3P	35KA	18KA	E0001900	R 1,176.00	R 176.40	R 1,352.40
		40A				E0001901			
		50A				E0001902			
		60A				E0001903			
		75A				E0001904			
		100A				E0001920			
	ABN203c	100A	3P	65KA	25KA	E0001905	R 2,300.00	R 345.00	R 2,645.00
		125A				E0001906			
		150A				E0001907			
		175A				E0001908			
		200A				E0001909			
		225A				E0001910			
	ABN403c	250A	3P	50KA	37KA	E0001911	R 2,374.00	R 356.10	R 2,730.10
		250A				E0001912			
		300A				E0001913			
		350A				E0001914			
		400A				E0001915			
	ABN803c	500A	3P	50KA	37KA	E0001916	R 10,927.00	R 1,639.05	R 12,566.05
		630A				E0001917			
		700A				E0001918	R 12,308.00	R 1,846.20	R 14,154.20
		800A				E0001919			
	ABS1003b	1000A	3P	100KA	65KA	E0000051	R 28,922.00	R 4,338.30	R 33,260.30
	ABS1203b	1200A				E0001686	R 31,332.00	R 4,699.80	R 36,031.80

Adjustable Thermal/Magnetic

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				220V	460V				
	ABS203c FMU	100A	3P	85KA	37KA	E0012452	R 3,278.00	R 491.70	R 3,769.70
		125A				E0012141			
		160A				E0012145			
		200A				E0012142			
		250A				E0012143			

Adjustable range from 0.7-1.0 with three adjustment settings: 0.7In...0.85In...1.0In
LS patent technique PASQ Arc-Extinguishing unit
PASQ: Puffer Assisted Self-Quenching

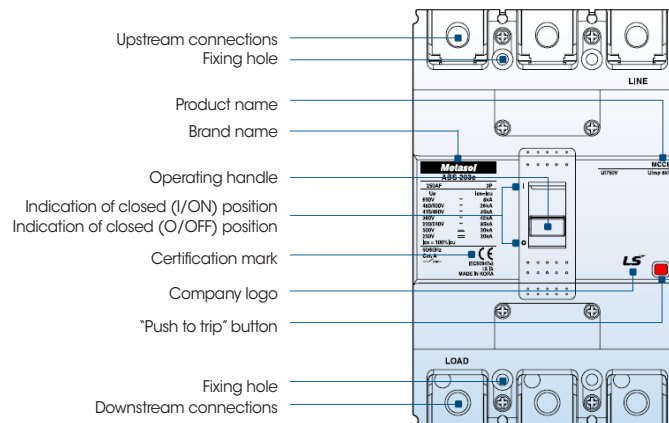
MOULDED CASE CIRCUIT BREAKER THERMAL/MAGNETIC TYPE 4-POLE

Fixed type MCCB
Ics = 100% of Icu
Ui = 750VAC
Uimp = 8KV

Fixed Type MCCB

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				220V	460V				
	ABN54c	15A	4P	30KA	14KA	***	R 1,066.00	R 159.90	R 1,225.90
		20A				***			
		30A				***			
		40A				***			
	ABN64c	60A	4P	30KA	14KA	***	R 1,123.00	R 168.45	R 1,291.45
	ABN104c	30A	4P	35KA	18KA	***	R 1,264.00	R 189.60	R 1,453.60
		40A				***			
		50A				***			
		60A				***			
		75A				***			
	ABN204c	100A	4P	65KA	25KA	***	R 2,354.00	R 353.10	R 2,707.10
		125A				***			
		150A				E12850			
		175A				***			
		200A				E12851			
		225A				***			
	ABN404c	250A	4P	50KA	37KA	E12852	R 2,609.00	R 391.35	R 3,000.35
		300A				***	R 5,955.00	R 893.25	R 6,848.25
		350A				***			
		400A				***			
	ABN804c	500A	4P	50KA	37KA	***	R 10,718.00	R 1,607.70	R 12,325.70
		630A				***	R 13,752.00	R 2,062.80	R 15,814.80
		700A				***			
		800A				***			
	ABN1004b	1000A	4P	100KA	65KA	***	R 27,788.00	R 4,168.20	R 31,956.20
	ABN1204b	1200A				***	R 32,068.00	R 4,810.20	R 36,878.20

MCCB



Rotary Handles

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	DH100	ABN53-103C	Direct Padlockable	***	R 511.00	R 76.65	R 587.65
	DH250	ABN/S 203C		E0012216	R 511.00	R 157.50	R 587.65
	N-70S	ABN403C		E0012594	R 1,050.00	R 157.50	R 1,207.50
	N-80S	ABN803C		E0012595	R 1,050.00	R 106.50	R 1,207.50
	DHK100	ABN53-103C	Direct with Key Lock	E0012596	R 710.00	R 106.50	R 816.50
	DHK250	ABN/S203C		E0012597	R 710.00	R 114.90	R 816.50
	EH100	ABN53-103C	Extended Padlockable	E0002558	R 766.00	R 114.90	R 880.90
	EH250	ABN/S203C		E0002559	R 766.00	R 255.30	R 880.90
	E-70U	ABN403C		E0001986	R 1,702.00	R 293.55	R 1,957.30
	E-80U	ABN803C		E0001987	R 1,957.00	R 36.60	R 2,250.55

Auxiliary

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AX	ABN/S 53-203C	LWT 1NO+1NC	E0003127	R 244.00	R 40.80	R 280.60
		ABN403-803C		E0003130	R 272.00	R 46.95	R 312.80
		ABS1003-1203B		E0012598	R 313.00	R 40.80	R 359.95
		ABN/S 53-203C	TBT 1NO+1NC	E0012599	R 272.00	R 45.00	R 312.80
		ABN403-803C		E0012600	R 300.00	R 36.60	R 345.00
	AL	ABN/S 53-203C	LWT 1NO+1NC	E0012601	R 244.00	R 40.80	R 280.60
		ABN403-803C		E0002122	R 272.00	R 46.95	R 312.80
		ABS1003-1203B		E0012602	R 313.00	R 40.80	R 359.95
		ABN/S 53-203C	TBT 1NO+1NC	E0012603	R 272.00	R 45.00	R 312.80
		ABN403-803C		E0012604	R 300.00	R 72.30	R 345.00
	AX+AL	ABN/S 53-203C	LWT 1NO+1NC	***	R 482.00	R 80.85	R 554.30
		ABN403-803C		***	R 539.00	R 93.60	R 619.85
		ABS1003-1203B		***	R 624.00	R 80.85	R 717.60
		ABN/S 53-203C	TBT 1NO+1NC	***	R 539.00	R 89.40	R 619.85
		ABN403-803C		***	R 596.00	R 46.95	R 685.40

Auxiliary switch is for applications requiring remote "ON" and "OFF" indication.



Shunt Trip

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
  	SHT TBT Terminal Block Type	ABN/S 53-203C	DC12V	E0003135	R 313.00	R 46.95	R 359.95
			AC/DC 24-30V	E0003136			
			AC/DC 48-60V	E0003137			
			AC/DC 100-130V	E0003138			
			AC/DC 200-250V	E0003139			
			AC 380-450V	E0003140			
			AC 440-500V	E0003141			
		ABN 403-803C	DC12V	E0012605	R 766.00	R 114.90	R 880.90
			AC/DC 24-30V	E0012606			
			AC/DC 48-60V	E0012607			
			AC/DC 100-130V	E0012608			
			AC/DC 200-250V	E0002328			
			AC 380-450V	E0002126			
			AC 440-500V	E0012609			
	SHT TBT Terminal Block Type	ABS1003-1203B	DC12V	E0012610	R 936.00	R 140.40	R 1,076.40
			AC/DC 24-30V	E0012611			
			AC/DC 48-60V	E0012612			
			AC/DC 100-130V	E0012613			
			AC/DC 200-250V	E0012614			
			AC 380-450V	E2128			
			AC 440-500V	E0012615			
	SHT LWT Lead Wire Type	ABN/S 53-203C	DC12V	***	R 313.00	R 46.95	R 359.95
			AC/DC 24-30V	***			
			AC/DC 48-60V	***			
			AC/DC 100-130V	***			
			AC/DC 200-250V	***			
			AC 380-450V	***			
		ABN 403-803C	DC12V	***	R 766.00	R 114.90	R 880.90
			AC/DC 24-30V	***			
			AC/DC 48-60V	***			
			AC/DC 100-130V	***			
			AC/DC 200-250V	E0012161			
			AC 380-450V	E0012160			
			AC 440-500V	***			
		ABS1003-1203B	DC12V	***	R 936.00	R 140.40	R 1,076.40
			AC/DC 24-30V	***			
			AC/DC 48-60V	***			
			AC/DC 100-130V	E0002034			
			AC/DC 200-250V	***			
			AC 380-450V	***			
			AC 440-500V	***			

The shunt trip opens the mechanism in response to an externally applied voltage signal.

Under Voltage Trip

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	UVT TBT Terminal Block Type	ABN/S 53-203C	AC/DC 24V	E0012616	R 568.00	R 85.20	R 653.20
			AC/DC 48V	E0003143			
			AC/DC 100-110V	E0003144			
			AC/DC 200-220V	E0003145			
			AC 380-450V	E0003146			
			AC 440-480V	***			
		ABN 403-803C	AC/DC 24V	E0012618	R 993.00	R 148.95	R 1,141.95
			AV/DC 48V	E0012619			
			AC/DC 100-110V	E0012620			
			AC/DC 200-220V	E0012621			
			AC 380-450V	E0012622			
			AC 440-480V	E0012617			
		ABS1003-1203B	AC/DC 24V	E0012623	R 1,362.00	R 204.30	R 1,566.30
			AV/DC 48V	E0012624			
			AC/DC 100-110V	E0012625			
			AC/DC 200-220V	E0012626			
			AC 380-450V	E0012627			
			AC 440-480V	E0012628			
	UVT LWT Lead Wire Type	ABN 403-803C	AC/DC 24V	***	R 993.00	R 148.95	R 1,141.95
			AV/DC 48V	***			
			AC/DC 100-110V	E0002354			
			AC/DC 200-220V	E0012162			
			AC 380-450V	E0012163			
			AC 440-480V	E0002134			
		ABS 1003-1203B	AC/DC 24V	***	R 1,362.00	R 204.30	R 1,566.30
			AV/DC 48V	***			
			AC/DC 100-110V	***			
			AC/DC 200-220V	***			
			AC 380-450V	***			
			AC 440-480V	***			

The under voltage release automatically opens a circuit breaker when voltage drops to a value between 20-70% of line voltage.

Mechanical Interlock

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	MI-33S	ABN203C	3P MCCB 2-Breaker	E0012181	R 783.00	R 117.45	R 900.45
	MI-43S	ABN403C		E0002249	R 1,107.00	R 166.05	R 1,273.05
	MI-83S	ABN803C		E0002250	R 1,248.00	R 187.20	R 1,435.20

Terminal Covers

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	TCS13	ABN 53-63C	Short Type 3P	***	R 53.00	R 7.95	R 60.95
	TCS33	ABN203C		E0012183	R 69.00	R 10.35	R 79.35
	TCL13	ABN 53-63C	Long Type 3P	***	R 57.00	R 8.55	R 65.55
	TCL33	ABN/S 203C		E0012182	R 73.00	R 10.95	R 83.95
	TI-43	ABN403C	3P Terminal Cover	***	R 936.00	R 140.40	R 1,076.40
	TI-63	ABN803C		***	R 936.00	R 140.40	R 1,076.40

Insulation Barriers

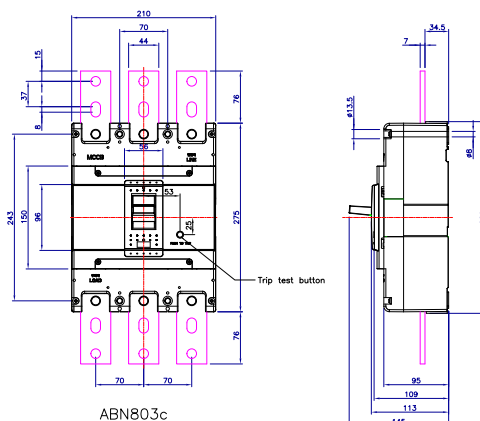
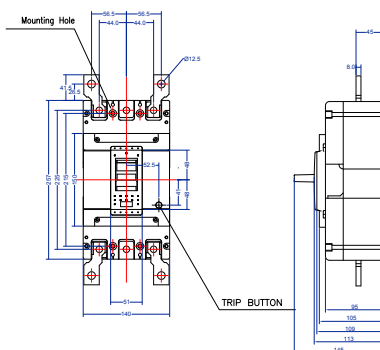
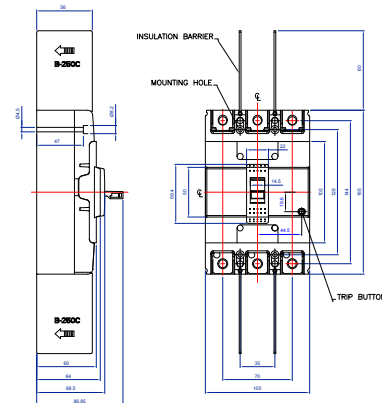
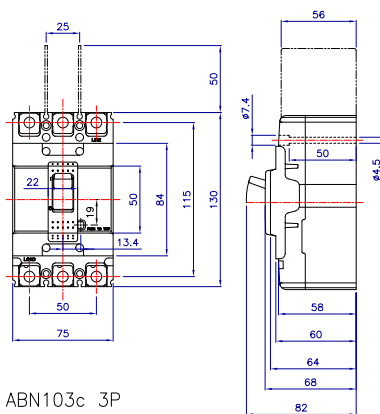
Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	IB-23	ABN/S 203C	Insulation barriers	E0002145	R 10.00	R 1.50	R 11.50
	IBL-400	ABN403C		E0002148	R 18.00	R 2.70	R 20.70
	IBL-800	ABN803C		E0003118	R 18.00	R 2.70	R 20.70

Priced per set of 2

Busbar

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	BUS203	ABN/S 203C	Busbar	E0002493	R 148.00	R 22.20	R 170.20
	BUS803	ABN803C		E0000086	R 865.00	R 129.75	R 994.75

Priced per set of 3



MOULDED CASE CIRCUIT BREAKER THERMAL ADJUSTABLE FIXED MAGNETIC 3-POLE

Thermal Magnetic
Adjustable MCCB
Adjust range 0.8 - 1.0In

Ics = 100% of Icu
Ui = 750VAC
Uimp = 8KV

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				460V	525V				
	TD100N FMU	16A	3P	50KA	22KA	E0001973	R 2,577.00	R 386.55	R 2,963.55
		20A				E0001974			
		25A				E0001975			
		40A				E0001976			
		50A				E0001977			
		63A				E0001690			
		80A				E0001978			
		100A				E0001692			
	TD160N FMU	125A				E0001980	R 3,062.00	R 459.30	R 3,521.30
		160A				E0001981			
	TS100N FMU	100A	3P	50KA	22KA	E0002067	R 2,673.00	R 400.95	R 3,073.95
	TS250N FMU	125A				E0001287	R 4,983.00	R 747.45	R 5,730.45
		160A				E0000015			
		200A				E0001897			
		250A				E0000016			
	TS400N FMU	300A		65KA	22KA	E0003039	R 9,492.00	R 1,423.80	R 10,915.80
		400A				E0002494			
	TS630N FMU	500A				E0002495	R 12,805.00	R 1,920.75	R 14,725.75
		630A				E0001923			
	TS800N FMU	800A				E0003722	R 16,924.00	R 2,538.60	R 19,462.60

MOULDED CASE CIRCUIT BREAKER THERMAL ADJUSTABLE FIXED MAGNETIC 4-POLE

Ics = 100% of Icu
Ui = 750VAC
Uimp = 8KV

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				460V	525V				
	TS100N FMU	100A	4P (4P4T)	50KA	22KA	***	R 3,647.00	R 547.05	R 4,194.05
	TS250N FMU	125A				***	R 6,737.00	R 1,010.55	R 7,747.55
		160A				***			
		200A				***			
		250A				***			
	TS400N FMU	300A		65KA	22KA	***	R 11,802.00	R 1,770.30	R 13,572.30
		400A				***			
	TS630N FMU	500A				***	R 17,815.00	R 2,672.25	R 20,487.25
		630A				***			
	TS800N FMU	800A				***	R 22,547.00	R 3,382.05	R 25,929.05

MOULDED CASE CIRCUIT BREAKER ELECTRONIC ADJUSTABLE 3-POLE

Adjust range 0.4 - 1.0In

Ics = 100% of Icu

Ui = 750VAC

Uimp = 8KV

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				460V	525V				
	TS160N ETS	160A	3P	50KA	42KA	E0003040	R 4,593.00	R 688.95	R 5,281.95
	TS250N ETS	250A				E0003041	R 6,375.00	R 956.25	R 7,331.25
	TS400N ETS	400A		65KA	42KA	E0003166	R 11,663.00	R 1,749.45	R 13,412.45
	TS630N ETS	630A				E0003042	R 17,815.00	R 2,672.25	R 20,487.25
	TS800N ETS	800A				E0001354	R 20,320.00	R 3,048.00	R 23,368.00
	TS1000N NG5	1000A		50KA	35KA	E0002572	R 38,545.00	R 5,781.75	R 44,326.75
	TS1250N NG5	1250A				E0002573	R 42,445.00	R 6,366.75	R 48,811.75
	TS1600N NG5	1600A				E0003043	R 50,547.00	R 7,582.05	R 58,129.05

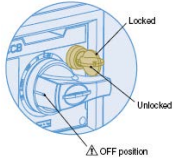
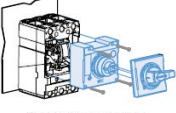
MOULDED CASE ISOLATOR

Ui = 750VAC

Uimp = 8KV

Classification	Series Code	Rating (A)	Pole	Icm	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	TS100NA	100A	3P	2.8KA	E0001227	R 2,255.00	R 338.25	R 2,593.25
	TS160NA	160A		3.6KA	E0000002	R 3,007.00	R 451.05	R 3,458.05
	TS250NA	250A		4.9KA	E0000001	R 4,136.00	R 620.40	R 4,756.40
	TS400NA	400A		7.1KA	E0003167	R 7,894.00	R 1,184.10	R 9,078.10
	TS630NA	630A		8.5KA	E0001192	R 9,771.00	R 1,465.65	R 11,236.65
	TS800NA	800A		12KA	E0001226	R 13,027.00	R 1,954.05	R 14,981.05
	TS1000NA	1000A		25KA	***	R 29,374.00	R 4,406.10	R 33,780.10
	TS1250NA	1250A		25KA	E0010927	R 31,441.00	R 4,716.15	R 36,157.15
	TS1600NA	1600A		25KA	***	R 38,119.00	R 5,717.85	R 43,836.85

Rotary Handles

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
  Extended rotary handles	DHK1-S	TD100-TD160	Direct Rotary Handle with Key-Lock	E0001111	R 1,185.00	R 177.75	R 1,362.75
	DHK2-S	TS100-TS250		E0001113	R 1,185.00	R 177.75	R 1,362.75
	DHK3-S	TS400-TS630		E0001115	R 1,714.00	R 257.10	R 1,971.10
	DHK4-S	TS800		E0001117	R 1,965.00	R 294.75	R 2,259.75
	DHK5-S	TS1000-TS1600		***	R 6,170.00	R 925.50	R 7,095.50
	EH1-S	TD100-TD160	Extended Rotary Handle, Padlockable	E0001110	R 975.00	R 146.25	R 1,121.25
	EH2-S	TS100-TS250		E0001112	R 975.00	R 146.25	R 1,121.25
	EH3-S	TS400-TS630		E0001114	R 1,698.00	R 254.70	R 1,952.70
	EH4-S	TS800		E0001116	R 1,865.00	R 279.75	R 2,144.75
	EH5-S	TS1000-TS1600		E0002221	R 5,329.00	R 799.35	R 6,128.35

Auxiliaries and Alarms

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 	AX	TD100 - TS800	Auxiliary 1NO+1NC	E0002020	R 327.00	R 49.05	R 376.05
		TS1000 - TS1600		E0002877	R 358.00	R 53.70	R 411.70
	AL	TD100 - TS800	Alarm Switch	E0002021	R 327.00	R 49.05	R 376.05
		TS1000 - TS1600		E0002878	R 357.00	R 53.55	R 410.55
	AX+AL	TD100 - TS800	Aux + Alarm Comb	***	R 653.00	R 97.95	R 750.95
	FAL/FAUL	TD100 - TS800	Fault Alarm Switch for Ets MCCB Only	E0002022	R 327.00	R 49.05	R 376.05
		TS1000 - TS1600		***	R 751.00	R 112.65	R 863.65

Shunt Trip

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
  	SHT Shunt Release/Trip	TD100 - TS800	DC12V	***	R 613.00	R 91.95	R 704.95
			AC/DC 24V	E0003063			
			AC/DC 48V	E0003064			
			AC/DC 110-130V	E0003065			
			AC220-240V/DC250V	E0002879			
			AC 380-500V	E0002880			
		TS1000 - TS1600	DC12V	***	R 1,140.00	R 171.00	R 1,311.00
			AC/DC 24V	E0003066			
			AC/DC 48V	E0003067			
			AC/DC 110-130V	E0003068			
			AC220-240V/DC250V	E0002376			
			AC 380-500V	E0002377			

Under Voltage Trip

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	Uvt Under Voltage Release/ Trip	TD100 - TS800	DC12V	***	R 1,082.00	R 162.30	R 1,244.30
			AC/DC 24V	E0003050			
			AC/DC 48V	E0003051			
			AC/DC 110-130V	E0003052			
			AC220-240V/DC250V	E0002881			
			AC 380-500V	E0002882			
		TS1000 - TS1600	DC12V	***	R 1,445.00	R 216.75	R 1,661.75
			AC/DC 24V	E0003053			
			AC/DC 48V	E0003054			
			AC/DC 110-130V	E0003055			
			AC220-240V/DC250V	E0002526			
			AC 380-500V	E0002527			

Motor Operator

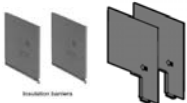
Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	MOP 1	TD100-TD160	DC24V	***	R 3,897.00	R 584.55	R 4,481.55
			AC100-240V/ DC100-220V	***			
	MOP 2	TS100-TD250	DC24V	E0002056	R 5,428.00	R 814.20	R 6,242.20
			AC100-240V/ DC100-220V	E0002057			
	MOP 3	TS400-TD630	DC24V	E0002058	R 7,377.00	R 1,106.55	R 8,483.55
			AC100-240V/ DC100-220V	E0002059			
	MOP 4	TS800	DC24V	E0002060	R 8,768.00	R 1,315.20	R 10,083.20
			AC100-240V/ DC100-220V	E0002061			

The motor operator is used for remote MCCB operation.

Locking Devices

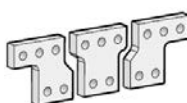
Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	MIT-13	TD100-TD160	Mechanical Interlock Device, Padlockable	E0002884	R 1,504.00	R 225.60	R 1,729.60
	MIT-23	TS100-TS250		E0000003	R 1,615.00	R 242.25	R 1,857.25
	MIT-33	TS400-TS630		E0000004	R 1,921.00	R 288.15	R 2,209.15
	MIT-43	TS800		E0000005	R 2,116.00	R 317.40	R 2,433.40
	MIT-53	TS1000-TS1600		***	R 2,195.00	R 329.25	R 2,524.25
	PHL-1	TD100-TD160	Fixed Locking Device	E0000010	R 335.00	R 50.25	R 385.25
	PHL-2	TS100-TS250		E0000011	R 335.00	R 50.25	R 385.25
	PHL-3	TS400-TS630		E0000012	R 418.00	R 62.70	R 480.70
	PHL-4	T800		E0000013	R 529.00	R 79.35	R 608.35
	PHL-5	TS1000-TS1600		***	R 1,195.00	R 179.25	R 1,374.25
	PL-1	TD100-TD160	Padlock MCCB Attachment	E0002885	R 446.00	R 66.90	R 512.90
	PL-2	TS100-TS250		E0000007	R 466.00	R 69.90	R 535.90
	PL-3	TS400-TS630		E0000008	R 502.00	R 75.30	R 577.30
	PL-4	T800		E0000009	R 573.00	R 85.95	R 658.95
	PL-5	TS1000-TS1600		E0002886	R 989.00	R 148.35	R 1,137.35

Insulation Barriers

Classification	Series Code	Breaker Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 Insulation Barriers	B23C	TD100-TS250	E3117	R 8.00	R 1.20	R 9.20
	B33C	TS400-TS630	E3118	R 16.00	R 2.40	R 18.40
	B43C	T800	E3119	R 24.00	R 3.60	R 27.60
	B53C-E	TS1000-TS1600	E2146	R 250.00	R 37.50	R 287.50

Priced per set of 2

Busbar

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 Busbars TS1000 - TS1600	SP-13B	TD100-TD160	 TD100 - TS800	E0003581	R 108.00	R 16.20	R 124.20
	SP-23B	TS100-TS250		E0002493	R 250.00	R 37.50	R 287.50
	SP-33B	TS400-T630		E0002492	R 517.00	R 77.55	R 594.55
	SPS-43	TS800		E0003120	R 865.00	R 129.75	R 994.75
	SP-53	TS1000 - TS1600		E0003586	R 4,573.00	R 685.95	R 5,258.95

Priced Per Set Of 3

Terminal Covers

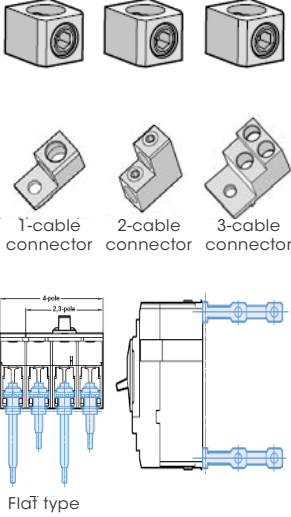
Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 Short Type Covers Long Type Covers TS1600 Type Covers	ITS-13	TD100 - TD160	Insulation Terminal Cover Short Type	E0000014	R 100.00	R 15.00	R 115.00
	ITS-23	TS100 - TS250		E0002001	R 108.00	R 16.20	R 124.20
	ITS-33	TS400 - TS630		E0002002	R 171.00	R 25.65	R 196.65
	ITS-43	TS800		E0002003	R 275.00	R 41.25	R 316.25
	ITS-53	TS1000 - TS1600		***	R 1,267.00	R 190.05	R 1,457.05
	ITL-13	TD100 - TD160	Insulation Terminal Cover Long Type	***	R 124.00	R 18.60	R 142.60
	ITL-23	TS100 - TS250		E0010262	R 215.00	R 32.25	R 247.25
	ITL-33	TS400 - TS630		E0010263	R 418.00	R 62.70	R 480.70
	ITL-43	TS800		***	R 768.00	R 115.20	R 883.20

Plug-in Devices

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 Double-row type Plug-in MCB:PB-D2 type MCCB rating: TD 100,160 General used in branch circuits	PB 13	TD100 - TD160	Single Line Type	***	R 2,422.00	R 363.30	R 2,785.30
	PB 23	TS100 - TS250		E0002031	R 3,023.00	R 453.45	R 3,476.45
	PB 33	TS400 - TS630		E0002032	R 5,456.00	R 818.40	R 6,274.40
	PB 43	TS800		E0002033	R 13,918.00	R 2,087.70	R 16,005.70
	PB 23 D2	TD100 - TD160	Double Line Type	E0002030	R 33,137.00	R 4,970.55	R 38,107.55

The plug-in base is the fixed part of the plug-in version of the circuit-breaker. It can be installed directly on the chassis plate of any panel. The breaker is racked out by unscrewing the top and bottom fixing screws. Plug-in bases make it possible to extract and/or rapidly replace the MCCB without having to touch connections. It can also be used for safety purposes during maintenance.

Terminal Connections

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	SBT 13	TD100 - TD160	Inner Lug Terminal, Front Connection	E0012629	R 239.00	R 35.85	R 274.85
	SBT 23	TS100 - TS250		E0012630	R 251.00	R 37.65	R 288.65
	IBT 33	TS400 - TS630		E0002007	R 418.00	R 62.70	R 480.70
	IBT 13	FOR PB 13		E0000987	R 239.00	R 35.85	R 274.85
	IBT 23	FOR PB 23		E0002005	R 251.00	R 37.65	R 288.65
	EBT 13	TD100 - TD160	Extended Lug Terminal, Front Connection	E0002004	R 307.00	R 46.05	R 353.05
	EBT 23	TS100 - TS250		E0002006	R 390.00	R 58.50	R 448.50
	EBT 33	TS400 - TS630		E0002008	R 975.00	R 146.25	R 1,121.25
	EBT 43	TS800	Terminal Flat Type, Rear Connection For 3P	E0002009	R 1,810.00	R 271.50	R 2,081.50
	RTB 13	TD160 3P		E0002023	R 2,593.00	R 388.95	R 2,981.95
Flat type	RTB 23	TS250 3P		E0002025	R 2,923.00	R 438.45	R 3,361.45
	RTB 33	TS630 3P		E0002027	R 5,333.00	R 799.95	R 6,132.95
	RTB 43	TS800 3P		E0002028	R 13,397.00	R 2,009.55	R 15,406.55
	RTR 13	TD160 3P	Terminal Round Type, Rear Connection	E0002024	R 2,005.00	R 300.75	R 2,305.75
	RTR 23	TS250 3P		E0002026	R 2,076.00	R 311.40	R 2,387.40

Earth Leakage

Classification	Series Code	Breaker Type	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	RTU23	TS100 - TS250	Add on Current Device 460-690VAC	E0002370	R 4,037.00	R 605.55	R 4,642.55
	RTU33	TS400 - TS630		E0002373	R 5,707.00	R 856.05	R 6,563.05
	RTU43	TS800		E0002374	R 7,655.00	R 1,148.25	R 8,803.25

Sensitivity mA:

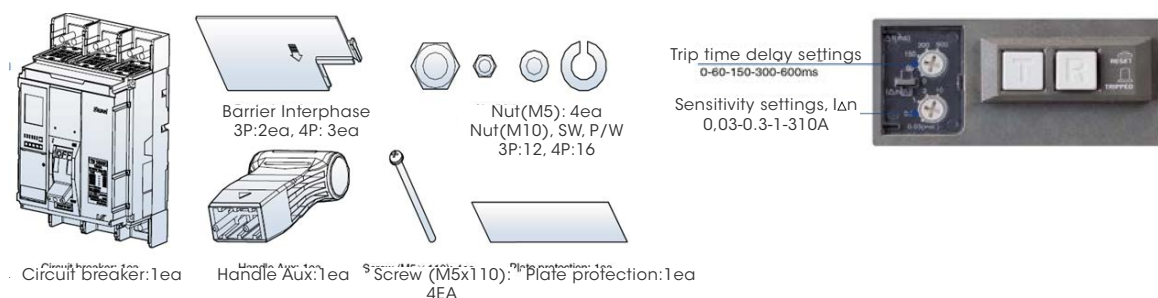
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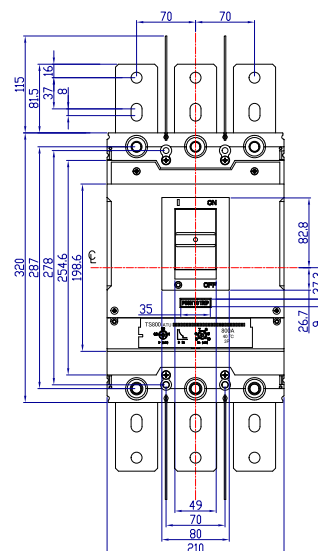
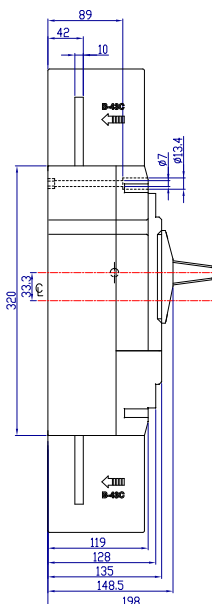
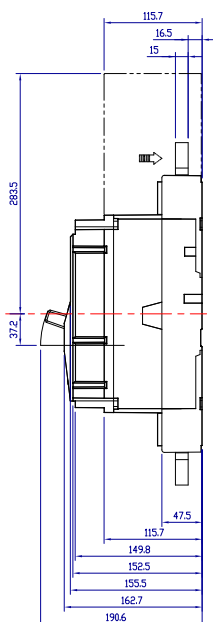
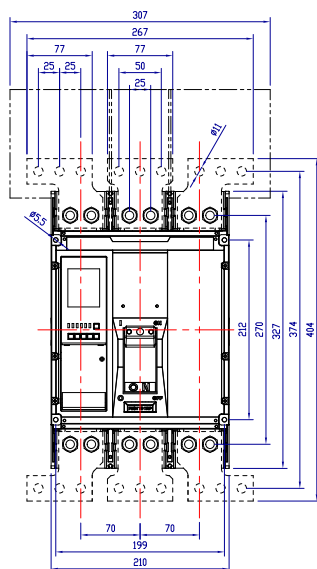
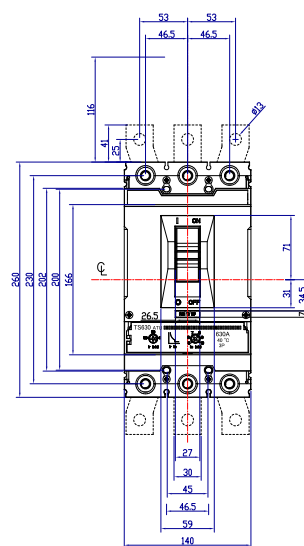
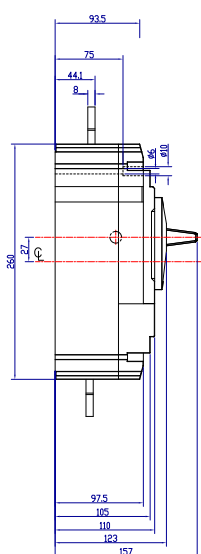
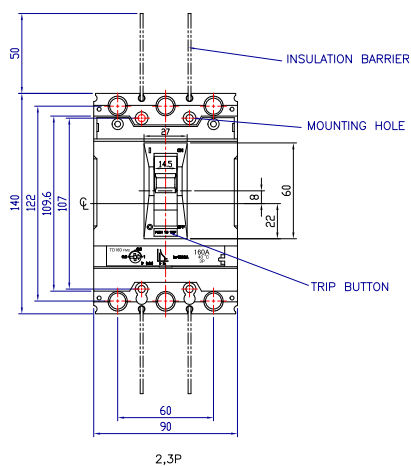
Time Delay:

Adjustable: Intentional time delay in ms: 0-60-150-300-600

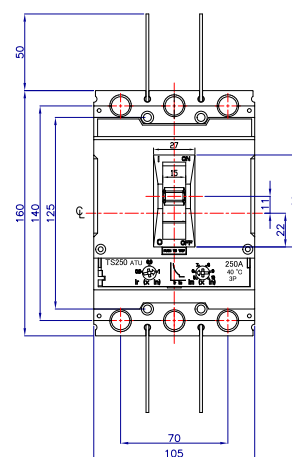
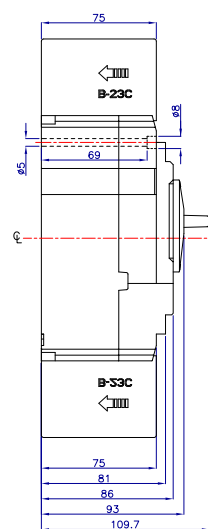
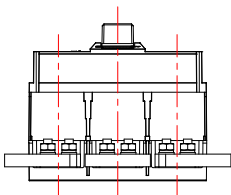
Adjustable: Max. breaking time in ms: 40-140-240-450-880

3P models may also be fitted to 2P MCCBs





TS1000/1600N 3P



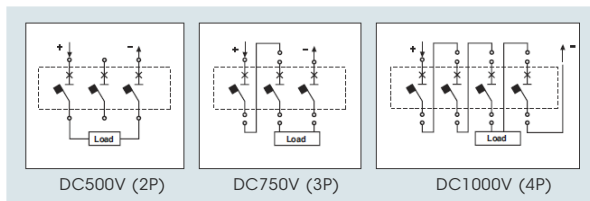
TS250N 3P

- Susol MCCB is suitable for DC application such as Photovoltaic Circuit Breaker, UPS and datacenter
- DC short circuit test tested by VDE
- Higher nominal voltage range up to 1000 VDC
- Rated Current : 16A~800A
- No. of Pole: 2/3/4P
- Available for AC/DC application



Model		TD100	TD160	TS100	TS160	TS250	TS400	TS630	TS800
Frame Size	(AF)	100	160	100	160	250	400	550	800
Rated Current, In	A	16, 20, 25, 32, 40, 50, 63, 80, 100	100, 125, 160	40, 50, 63, 80, 100	100, 125, 160	125, 160, 200, 250	300, 400	500, 550	700, 800
No. of Poles	(Pole)	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4
Rated Operational Voltage, Ue (Vdc)	2P	500	500	500	500	500	500	500	500
	3P	750	750	750	750	750	750	750	750
	4P	1000	1000	1000	1000	1000	1000	1000	1000
Rated Insulation Voltage, Ui (V)	2P	800	800	800	800	800	800	800	800
	3P	800	800	800	800	800	800	800	800
	4P	1000	1000	1000	1000	1000	1000	1000	1000
Rated Impulse Withstand Voltage Uimp (Kv)		8	8	8	8	8	8	8	8
Rated Ultimate Short-Circuit	Type	H	H	H	H	H	H	H	H
Breaking Capacity, Icu(Ka)	500VDC (2P)	40	40	40	40	40	40	40	40
	750VDC (3P)	40	40	40	40	40	40	40	40
	1000VDC (4P)	40	40	40	40	40	40	40	40
Rated service breaking capacity, Ics (%xIcu)		100%	100%	100%	100%	100%	100%	100%	100%
Trip Unit Function	FTU	•	•	•	•	•	•	•	•
	FMU	•	•	•	•	•	•	•	•
	ATU	•	•	•	•	•	•	•	•

Exemplary circuit diagram



AIR CIRCUIT BREAKER FIXED TYPE

ACB Fixed Type 3P

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				415V	690V				
	AN-06D3-06H	630A	3P	65KA	50KA	E12853	R 36,200.00	R 5,430.00	R 41,630.00
	AN-08D3-08H	800A				E12854	R 40,308.00	R 6,046.20	R 46,354.20
	AN-10D3-10H	1000A				***	R 40,834.00	R 6,125.10	R 46,959.10
	AN-13D3-13H	1250A				E2079	R 44,442.00	R 6,666.30	R 51,108.30
	AN-16D3-16H	1600A				E2081	R 49,477.00	R 7,421.55	R 56,898.55
	AS-20E3-20H	2000A				E2083	R 70,545.00	R 10,581.75	R 81,126.75
	AS-25E3-25H	2500A		85KA		E2084	R 99,154.00	R 14,873.10	R 114,027.10
	AS-32E3-32H	3200A				E2086	R 113,784.00	R 17,067.60	R 130,851.60
	AS-40E3-40V	4000A				E2088	R 192,746.00	R 28,911.90	R 221,657.90
	AS-50F3-50V	5000A		100KA		***	R 204,145.00	R 30,621.75	R 234,766.75
	AS-63G3-63V	6300A		150KA		***	R 333,535.00	R 50,030.25	R 383,565.25

ACB Fixed Type 4P

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				415V	690V				
	AN-06D4-06H	630A	4P	65KA	50KA	***	R 41,761.00	R 6,264.15	R 48,025.15
	AN-08D4-08H	800A				***	R 45,838.00	R 6,875.70	R 52,713.70
	AN-10D4-10H	1000A				***	R 46,346.00	R 6,951.90	R 53,297.90
	AN-13D4-13H	1250A				***	R 51,205.00	R 7,680.75	R 58,885.75
	AN-16D4-16H	1600A				***	R 57,218.00	R 8,582.70	R 65,800.70
	AS-20E4-20H	2000A				***	R 84,599.00	R 12,689.85	R 97,288.85
	AS-25E4-25H	2500A		85KA		***	R 116,615.00	R 17,492.25	R 134,107.25
	AS-32E4-32H	3200A				***	R 137,633.00	R 20,644.95	R 158,277.95
	AS-40E4-40V	4000A				***	R 231,751.00	R 34,762.65	R 266,513.65
	AS-50F4-50V	5000A		100KA		***	R 245,580.00	R 36,837.00	R 282,417.00
	AS-63G4-63H	6300A		150KA		***	R 432,688.00	R 64,903.20	R 497,591.20

ACBs complete with trip unit, closing coil, trip coil, motor operator, aux 3A3B, mounting brackets. ACBs is inter-lock ready as standard. ACBs standard supply with 240VAC operating voltage, for alternative control voltage please specify upon order.

AIR CIRCUIT BREAKER DRAW-OUT TYPE

ACB Draw Out 3P

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				415V	690V				
	AN-06D3-06A	630A	3P	65KA	50KA	E12855	R 50,086.00	R 7,512.90	R 57,598.90
	AN-08D3-08A	800A				E12856	R 51,743.00	R 7,761.45	R 59,504.45
	AN-10D3-10A	1000A				***	R 52,870.00	R 7,930.50	R 60,800.50
	AN-13D3-13A	1250A				***	R 60,955.00	R 9,143.25	R 70,098.25
	AN-16D3-16A	1600A				***	R 65,727.00	R 9,859.05	R 75,586.05
	AS-20D3-20A	2000A				***	R 89,225.00	R 13,383.75	R 102,608.75
	AS-25E3-25A	2500A		85KA		***	R 112,752.00	R 16,912.80	R 129,664.80
	AS-32E3-32A	3200A				***	R 136,080.00	R 20,412.00	R 156,492.00
	AS-40E3-40A	4000A				***	R 203,493.00	R 30,523.95	R 234,016.95
	AS-50F3-50A	5000A		100KA		***	R 215,543.00	R 32,331.45	R 247,874.45
	AS-63G3-63A	6300A		150KA		***	R 350,896.00	R 52,634.40	R 403,530.40

ACB Draw Out 4P

Classification	Series Code	Rating (A)	Pole	Icu		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				415V	690V				
	AN-06D4-06J	630A	4P	65KA	50KA	***	R 48,199.00	R 7,229.85	R 55,428.85
	AN-08D4-08J	800A				***	R 51,681.00	R 7,752.15	R 59,433.15
	AN-10D4-10J	1000A				***	R 52,233.00	R 7,834.95	R 60,067.95
	AN-13D4-13J	1250A				***	R 56,441.00	R 8,466.15	R 64,907.15
	AN-16D4-16J	1600A				***	R 62,453.00	R 9,367.95	R 71,820.95
	AS-20D4-20A	2000A				***	R 90,938.00	R 13,640.70	R 104,578.70
	AS-25E4-25A	2500A		85KA	***	R 125,884.00	R 18,882.60	R 144,766.60	
	AS-32E4-32A	3200A			***	R 157,574.00	R 23,636.10	R 181,210.10	
	AS-40E4-40A	4000A			***	R 242,523.00	R 36,378.45	R 278,901.45	
	AS-50F4-50A	5000A			100KA	***	R 257,028.00	R 38,554.20	R 295,582.20
	AS-63G4-63A	6300A			150KA	***	R 264,257.00	R 39,638.55	R 303,895.55

ACBs complete with cradle, NG5 trip unit, closing coil, trip coil, motor operator, aux 3A3B, mounting brackets. ACBs are interlock ready as standard. ACBs standard supply with 240VAC operating voltage, for alternative control voltage please specify upon order.

Shunt Trip (Trip Coil)

Classification	Series Code	Type	Voltage		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			DC	AC				
	SHT1	Shunt Coil for Remote Trip (Standard Fitted to ACBs)	24-30V	-	D0003738	R 1,248.00	R 187.20	R 1,435.20
			48-60V	48V	D0003735			
			100-130V	100-130V	D0003732			
			200-250V	200-250V	D0015707			
			-	380-480V	D0003729			
	SHT2	Double Shunt Coil, for Redundent Remote Trip	24-30V	-	***	R 1,248.00	R 187.20	R 1,435.20
			48-60V	48V	***			
			100-130V	100-130V	***			
			200-250V	200-250V	***			
			-	380-480V	***			

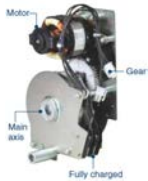
Closing Coil

Classification	Series Code	Type	Voltage		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			DC	AC				
	CC	Closing Coil (Standard Fitted to ACBs)	24-30V	-	D0003737	R 1,503.00	R 225.45	R 1,728.45
			48-60V	48-60V	D0003734			
			100-130V	100-130V	D0003730			
			200-250V	200-250V	D0015708			
			-	380-480V	D0003731			

Under Voltage Trip

Classification	Series Code	Type	Voltage		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			DC	AC				
	UVT	Under Voltage Trip Release	24-30V	-	D0003739	R 1,617.00	R 242.55	R 1,859.55
			48-60V	48-60V	D0003728			
			100-130V	100-130V	D0003733			
			200-250V	200-250V	E0010928			
			-	380-480V	D0003736			

Motor Operator

Classification	Series Code	Type	Voltage		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			DC	AC				
	M	Motor Operator (Standard fitted to ACBs)	24-30V	-	E0001990	R 6,126.00	R 918.90	R 7,044.90
			48-60V	48-60V	E0001991			
			100-130V	100-130V	E0001992			
			200-250V	200-250V	E0003713			
			-	380-480V	E0001993			
			-	440-480V	***			

Mechanical Interlock Unit

Classification	Series Code	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	MI-1	Mechanical Interlock Unit	2-Breaker Set	E0003720	R 10,693.00	R 1,603.00
	M-3		3-Breaker Set	E0003721	R 20,024.00	R 3,003.60
						R 12,296.00
						R 23,027.60

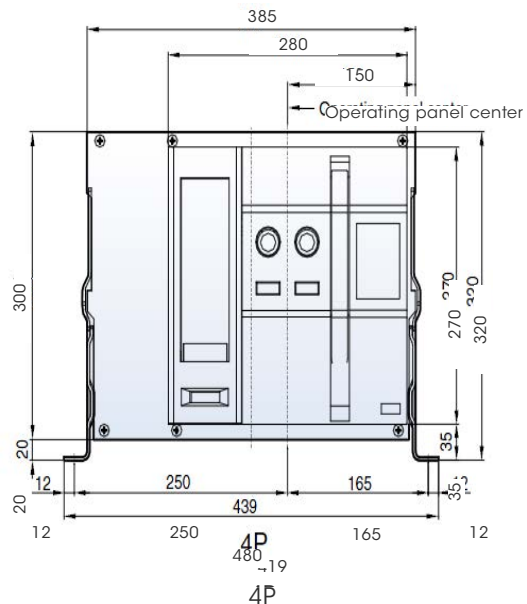
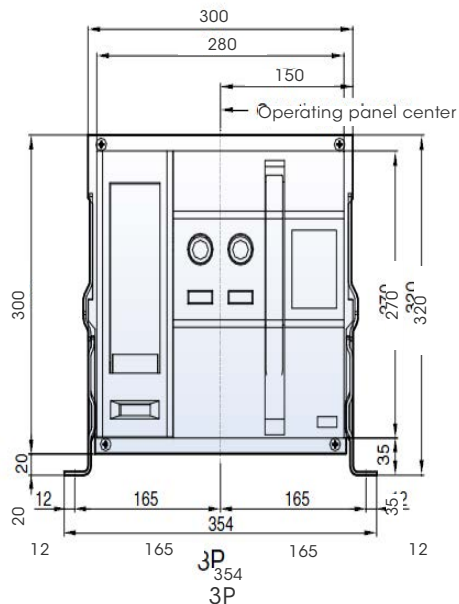
Key Lock

Classification	Series Code	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	K1	Key Lock, 2 or More ACBs	E0001999	R 1,702.00	R 255.30	R 1,957.30
	K2	Key Interlock Set, 3 ACB Interlock Set	E0001998	R 5,706.00	R 765.90	R 5,871.90
	K3	Double Key Lock, 2 or More ACBs with Double Keys	E0002000	R 3,035.00	R 455.25	R 3,490.25

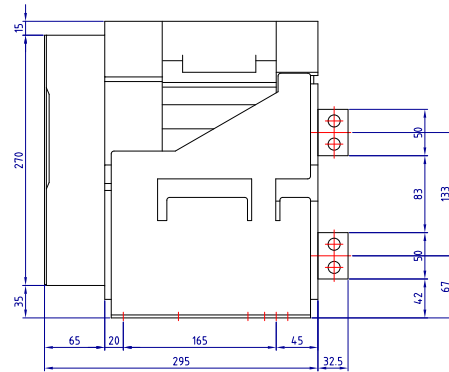
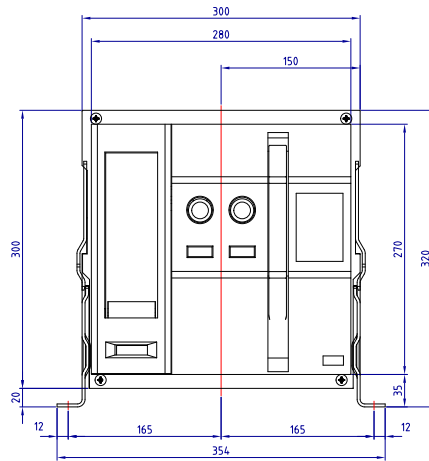
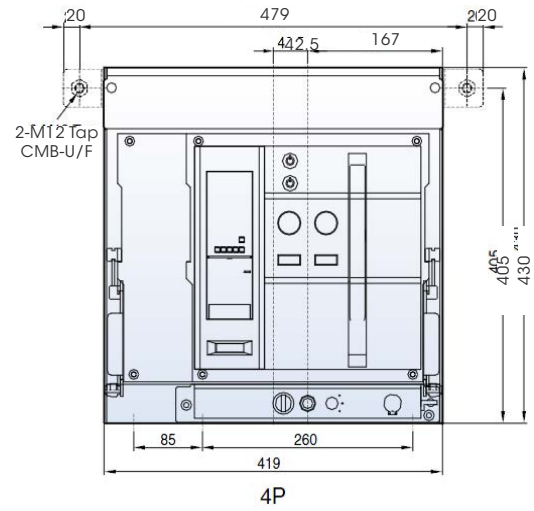
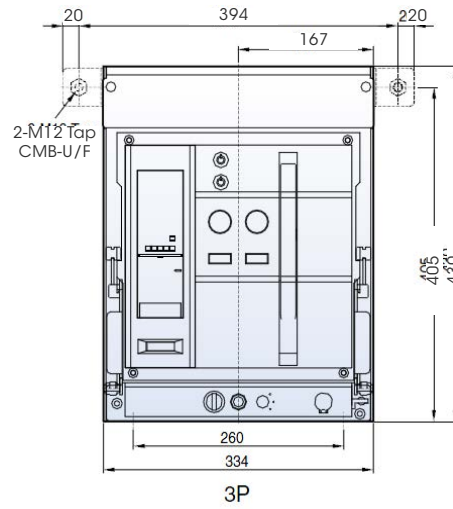
Door Frame and Dust Covers

Classification	Series Code	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	DF	For Fixed Type ACB	E0001996	R 313.00	R 46.95	R 359.95
	Door Frames	For Draw-Out Type ACB	E0001995			
	DC	For Fixed And Draw-Out Type ACB	E0001997	R 6,382.00	R 957.30	R 7,339.30
	Door Covers					

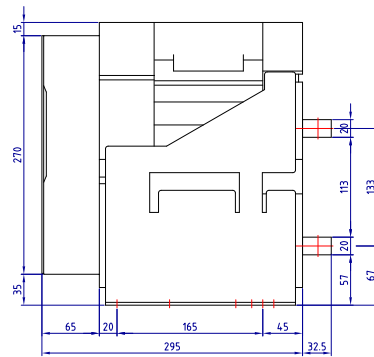
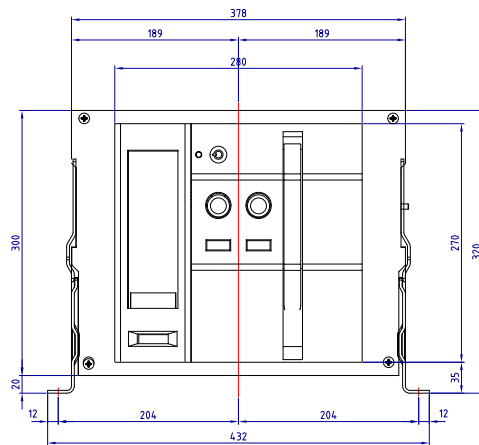
AN Fixed Type ACB
630Amp - 1600Amp



AN Draw Out Type ACB 630Amp - 1600Amp



AN 630/1600 3P Fixed ACB



AS 2000/3200 3P Fixed ACB

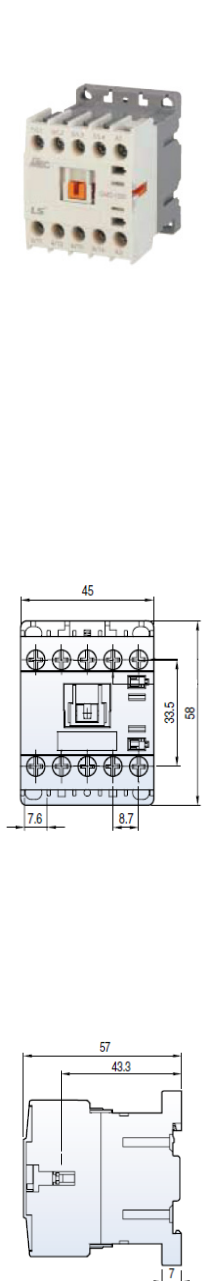
MINIATURE CONTACTORS 3-POLE

1a or 1b Auxiliary Option Screw Terminals

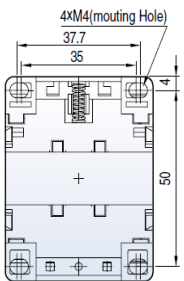
Ue: 690VAC

Ui: 690VAC

50/60Hz

Classification	Series Code	Dimensions WxHxD	Voltage		Coil Voltage (50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
	GMC-6M 1a	45x58x57mm 0.17kg	6Amp	2.2KW	AC24V	D0003783	R 250.00	R 37.50	R 287.50
					AC48V	D0003784			
					AC110V	D0003785			
					AC240V	E0001817			
					AC415V	D0003786			
					AC550V	***			
	GMC-6M 1b	45x58x57mm 0.17kg	6Amp	2.2KW	AC24V	D0003790	R 250.00	R 37.50	R 287.50
					AC48V	***			
					AC110V	D0003782			
					AC240V	D0002501			
					AC415V	D0003787			
					AC550V	***			
	GMD-6M 1a	45x58x69mm 0.17kg	6Amp	2.2KW	DC12V	D0020263	R 308.00	R 46.20	R 354.20
					DC24V	***			
					DC48V	***			
					DC110V	***			
	GMD-6M 1b	45x58x69mm 0.17kg	6Amp	2.2KW	DC12V	***	R 308.00	R 46.20	R 354.20
					DC24V	***			
					DC48V	***			
					DC110V	***			
	GMC-9M 1a	45x58x57mm 0.17kg	9Amp	4KW	AC24V	D0003792	R 267.00	R 40.05	R 307.05
					AC48V	D0003793			
					AC110V	D0003794			
					AC240V	D0000019			
					AC415V	D0006321			
					AC550V	D0003795			
	GMC-9M 1b	45x58x57mm 0.17kg	9Amp	4KW	AC24V	D0003796	R 267.00	R 40.05	R 307.05
					AC48V	D0003797			
					AC110V	D0003798			
					AC240V	D0006387			
					AC415V	***			
					AC550V	D0003799			
	GMD-9M 1a	45x58x69mm 0.17kg	9Amp	4KW	DC12V	***	R 352.00	R 51.30	R 404.80
					DC24V	D0003858			
					DC48V	***			
					DC110V	***			
	GMD-9M 1b	45x58x69mm 0.17kg	9Amp	4KW	DC12V	***	R 352.00	R 51.30	R 404.80
					DC24V	***			
					DC48V	***			
					DC110V	***			

MINIATURE CONTACTORS 3-POLE

Classification	Series Code	Dimensions WxHxD	Voltage		Coil Voltage (50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 	GMC-12M 1a	45x58x57mm 0.17kg	12Amp	5.5KW	AC24V	D0007510	R 288,00	R 43,20	R 331,20
					AC48V	D0003805			
					AC110V	***			
					AC240V	D0002502			
					AC415V	D0003804			
					AC550V	D0003806			
	GMC-12M 1b	45x58x57mm 0.17kg	12A	5.5KW	AC24V	D0003807	R 288,00	R 43,20	R 331,20
					AC48V	D0003808			
					AC110V	D0003809			
					AC240V	D0003810			
					AC415V	D0003815			
					AC550V	***			
	GMD-12M 1a	45x58x69mm 0.17kg	12A	5.5KW	DC12V	***	R 392,00	R 55,50	R 450,80
					DC24V	D0003922			
					DC48V	***			
					DC110V	***			
	GMD-12M 1b	45x58x69mm 0.17kg	12A	5.5KW	DC12V	***	R 392,00	R 55,50	R 450,80
					DC24V	***			
					DC48V	***			
					DC110V	***			
	GMC-16M 1a	45x58x57mm 0.17kg	16A	7.5KW	AC24V	D0007499	R 312,00	R 46,80	R 358,80
					AC48V	D0003816			
					AC110V	D0003817			
					AC240V	D0002503			
					AC415V	D0006733			
					AC550V	***			
	GMC-16M 1b	45x58x57mm 0.17kg	16A	7.5KW	AC24V	D0003819	R 312,00	R 46,80	R 358,80
					AC48V	***			
					AC110V	D0003821			
					AC240V	D0007500			
					AC415V	D0003827			
					AC550V	***			
	GMD-16M 1a	45x58x69mm 0.17kg	16A	7.5KW	DC12V	***	R 411,00	R 61,65	R 472,65
					DC24V	***			
					DC48V	***			
					DC110V	***			
	GMD-16M 1b	45x58x69mm 0.17kg	16A	7.5KW	DC12V	***	R 411,00	R 61,65	R 472,65
					DC24V	***			
					DC48V	***			
					DC110V	***			

MINIATURE CONTACTORS THERMAL OVERLOAD RELAYS

Thermal Overload

Classification	Series Code	Type	Ratings (Amp)		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Mid	Setting Range				
	GTK-12M	Thermal Overload Relay Class 10, 3-Heater Type Direct fit to GMC-6M~GMC-16M; GMD-6M~GMD-16M	0.21A	0.16 - 0.25A	D0000160	R 329,00	R 49,35	R 378,35
			0.33A	0.25 - 0.4A	D0000161			
			0.52A	0.4 - 0.63A	D0000162			
			0.82A	0.63 - 1A	D0000163			
			1.3A	1 - 1.6A	D0000164			
			2.1A	1.6 - 2.5A	D0000165			
			3.3A	2.5 - 4A	D0000166			
			5A	4 - 6A	D0002362			
			6.5A	5 - 8A	D0000167			
			7.5A	6 - 9A	D0002505			
			8.5A	7 - 10A	D0000168			
			12A	9 - 13A	D0002700			
			14A	12 - 16A	D0002363			

MINIATURE CONTACTOR ACCESSORIES

Auxiliary

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AU-1M	Side Mount Auxiliary for GMC-6M~GMC-16M	1NO	D0004303	R 82,00	R 12,00	R 94,30
			1NC	D0004304			
	AU-2M	Top Mount Auxiliary for GMC-6m~GMC-16M	2NO	D0004287	R 100,00	R 15,00	R 115,00
			1NO + 1NC	D0003039			
			2NC	D0000213			
	AU-4M	Top Mount Auxiliary for GMC-6m~GMC-16m	4NO	***	R 132,00	R 19,80	R 151,80
			3NO + 1NC	D0004302			
			2NO + 2NC	D0000204			
			1NO + 3NC	D0004301			
			4NC	***			

Timer

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AT-12M/1N	Top Mount Electronic Timer Unit for GMC-6m~GMC-16m	AC/DC24-48V On Delay	D0002422	R 996,00	R 149,40	R 1,145,40
	AT-12M/2N		AC100-220V On Delay	D0007750			
	AT-12M/1F		AC/DC24-48V Off Delay	D0007749			
	AT-12M/2F		AC100-220V Off Delay	D0001834			

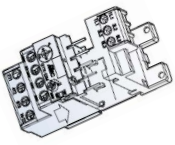
Surge Absorber

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AS-12M	Plug-In Type Coil Surge Suppressor for GMC-6M~GMC-16M	AC24-48V	D0004319	R 80.00	R 12.00	R 92.00
			AC60-127V	D0004317			
			AC200-240V	D0004318			
			DC12-24V	D0004322			
			DC30-72V	D0004320			
			DC100-127V	D0004323			
			DC200-250V	D0004321			

Interlock Unit

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AR-12M	Mechanical Interlock Set and Wire Kit for GMC-6M~GMC-16M		D0000211	R 60.00	R 9.00	R 69.00

Separate Mounting Base

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AZ-12MH	Separate Din Rail Mounting Base for GTK-12 Thermal Overload Relays		D0002500	R 89.00	R 13.35	R 102.35

Spare Coils

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AC Coil Assembly	AC Spare Coil for 3P GMC-6M - GMC-16M Mini Contactor	AC24V	D0004088	R 100.00	R 15.00	R 115.00
			AC48V	D0004101			
			AC110V	D0000194			
			AC240V	D0000195			
			AC415V	D0004090			
			AC550V	***			
	DC Coil Assembly 1.2WATT	DC Spare Coil for 3P GMD-6M - GMD-16M Mini Contactor	DC12V	***	R 153.00	R 22.95	R 175.95
			DC24V	***			
			DC48V	***			
			DC110V	***			

MAGNETIC CONTACTOR 2-POLE

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			220V	380V					
	GMC-10P	49x74x62mm 1.29kg	10A	8A	AC220V	***	R 299,00	R 44,85	R 343,85
	GMC-20P2		20A	17A		D0004035	R 359,00	R 53,85	R 412,85
	GMC-25P2		25A	21A		***	R 394,00	R 59,10	R 453,10
	GMC-30P2		30A	23A		***	R 458,00	R 68,70	R 526,70
	GMC-35P2		35A	26A		***	R 498,00	R 74,70	R 572,70
	GMC-40P2		40A	32A		***	R 531,00	R 79,65	R 610,65

CONTROL RELAYS

Screw Terminals
Ue: 690VAC
Ui: 690VAC

50/60Hz
Din and screw mountable
Additional auxiliaries can be added

Classification	Series Code	Dimensions WxHxD	Configuration	Coil Voltage	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				(50/60Hz)				
	MR-4 lth 16A	45x74x81 284g	4NO (4A)	AC24V	***	R 400.00	R 59.70	R 460.00
				AC48V	***			
				AC110V	***			
				AC240V	***			
				AC415V	***			
			3NO+1NC (3A1B)	AC24V	***			
				AC48V	***			
				AC110V	***			
				AC240V	***			
				AC415V	***			
			2NO+2NC (2A2B)	AC24V	***			
				AC48V	***			
				AC110V	***			
				AC240V	D0020095			
				AC415V	D0020096			
			1NO+3NC (1A3B)	AC24V	***			
				AC48V	***			
				AC110V	***			
				AC240V	***			
				AC415V	***			
			4NC (4C)	AC24V	***			
				AC48V	***			
				AC110V	***			
				AC240V	***			
				AC415V	***			

Uses standard contactor auxiliaries (UA-2; UA-4)

MAGNETIC CONTACTORS 3-POLE

1a+1b Auxiliary
Screw Terminals
Ue: 690VAC
Ui: 690VAC
50/60Hz



Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 22AF	MC-9B	45x74x86mm 0.34kg	9A	4KW	AC24V	D0003351	R 292.00	R 43.80	R 335.80
					AC48V	D0003352			
					AC110V	D0003353			
					AC240V	D0003354			
					AC415V	D0003355			
					AC550V	D0003356			
	MC-9B DC	45x74x104mm 0.41kg	9A	4KW	DC12V	D0003357	R 440.00	R 66.00	R 506.00
					DC24V	D0003358			
					DC48V	D0003359			
					DC110	D0003360			
	MC-12B	48x74x86mm 0.34kg	12A	5.5KW	AC24V	D0003361	R 320.00	R 48.00	R 368.00
					AC48V	D0003362			
					AC110V	D0003363			
					AC240V	D0003364			
					AC415V	D0003365			
					AC550V	D0003366			
	MC-12B DC	45x74x104mm 0.41kg	12A	5.5KW	DC12V	D0003367	R 520.00	R 78.00	R 598.00
					DC24V	D0003368			
					DC48V	D0003369			
					DC110	D0003370			
	MC-18B	48x74x86mm 0.34kg	18A	7.5KW	AC24V	D0003371	R 412.00	R 61.80	R 473.80
					AC48V	D0003372			
					AC110V	D0003373			
					AC240V	D0003374			
					AC415V	D0003375			
					AC550V	D0003376			
	MC-18B DC	45x74x104mm 0.41kg	18A	7.5KW	DC12V	D0003377	R 708.00	R 106.20	R 814.20
					DC24V	D0003378			
					DC48V	D0003379			
					DC110	D0003380			
	MC-22B	48x74x86mm 0.34kg	22A	11KW	AC24V	D0003381	R 516.00	R 77.40	R 593.40
					AC48V	D0003382			
					AC110V	D0003383			
					AC240V	D0003384			
					AC415V	D0003385			
					AC550V	D0003386			
	MC-22B DC	45x74x104mm 0.41kg	22A	11KW	DC12V	D0003387	R 779.00	R 116.85	R 895.85
					DC24V	D0003388			
					DC48V	D0003389			
					DC110	D0003390			

MAGNETIC CONTACTORS 3-POLE

1a+1b Auxiliary
Screw Terminals
Ue: 1000VAC
Ui: 1000VAC
50/60Hz

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 40AF	MC-32A	63x83x90mm 0.55kg	32A	15KW	AC24V	D0003391	R 720.00	R 108.00	R 828.00
					AC48V	D0003392			
					AC110V	D0003393			
					AC240V	D0003394			
					AC415V	D0003395			
					AC550V	D0003396			
	MC-32A DC	63x83x117mm 0.77kg	32A	15KW	DC12V	D0003397	R 1,039.00	R 155.85	R 1,194.85
					DC24V	D0003398			
					DC48V	D0003399			
					DC110	D0003400			
	MC-40A	63x83x90mm 0.55kg	40A	18.5KW	AC24V	D0003401	R 960.00	R 144.00	R 1,104.00
					AC48V	D0003402			
					AC110V	D0003403			
					AC240V	D0003404			
					AC415V	D0003405			
					AC550V	D0003406			
	MC-40A DC	63x83x117mm 0.77kg	40A	18.5KW	DC12V	D0003407	R 1,179.00	R 176.85	R 1,355.85
					DC24V	D0003408			
					DC48V	D0003409			
					DC110	D0003410			
	MC-50A	79x106x119mm 1.05kg	50A	22KW	AC24V	D0003411	R 1,319.00	R 197.85	R 1,516.85
					AC48V	D0003412			
					AC110V	D0003413			
					AC240V	D0003414			
					AC415V	D0003415			
					AC550V	D0003416			
	MC-50A DC	79x106x147mm 1.3kg	50A	22KW	DC12V	D0003417	R 1,599.00	R 239.85	R 1,838.85
					DC24V	D0003418			
					DC48V	D0003419			
					DC110V	D0003420			
 60AF	MC-65A	79x106x119mm 1.05kg	65A	30KW	AC24V	D0003421	R 1,499.00	R 224.85	R 1,723.85
					AC48V	D0003422			
					AC110V	D0003423			
					AC240V	D0003424			
					AC415V	D0003425			
					AC550V	D0003426			

MAGNETIC CONTACTORS 3-POLE

1a+1b Auxiliary
Screw Terminals
Ue: 1000VAC
Ui: 1000VAC
50/60Hz

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 100AF	MC-65A DC	79x106x147mm 1.3kg	65A	30KW	DC12V	D0003427	R 1,998.00	R 299.70	R 2,297.70
					DC24V	D0003428			
					DC48V	D0003429			
					DC110V	D0003430			
	MC-75A	94x140x136mm 1.93kg	75A	37KW	AC24V	D0003431	R 1,715.00	R 257.25	R 1,972.25
					AC48V	D0003432			
					AC110V	D0003433			
					AC240V	D0003434			
					AC415V	D0003435			
					AC550V	D0003436			
	MC-75A DC	94x140x172mm 2.8kg	75A	37KW	DC12V	D0003437	R 2,598.00	R 389.70	R 2,987.70
					DC24V	D0003438			
					DC48V	D0003439			
					DC110V	D0003440			
 100AF	MC-85A	94x140x136mm 1.93kg	85A	45KW	AC24V	D0003441	R 2,031.00	R 304.65	R 2,335.65
					AC48V	D0003442			
					AC110V	D0003443			
					AC240V	D0003444			
					AC415V	D0003445			
	MC-85A DC	94x140x172mm 2.8kg	85A	45KW	DC12V	D0003446	R 3,077.00	R 461.55	R 3,538.55
					DC24V	D0003447			
					DC48V	D0003448			
					DC110V	D0003449			
	MC-100A	94x140x136mm 1.93kg	55A	105KW	AC24V	D0003450	R 2,718.00	R 407.70	R 3,125.70
					AC48V	D0003451			
					AC110V	D0003452			
					AC240V	D0003453			
					AC415V	D0003454			
					AC550V	D0003455			
					AC550V	D0003456			

MAGNETIC CONTACTORS 3-POLE

1a+1b Auxiliary
Screw Terminals
Ue: 1000VAC
Ui: 1000VAC
50/60z

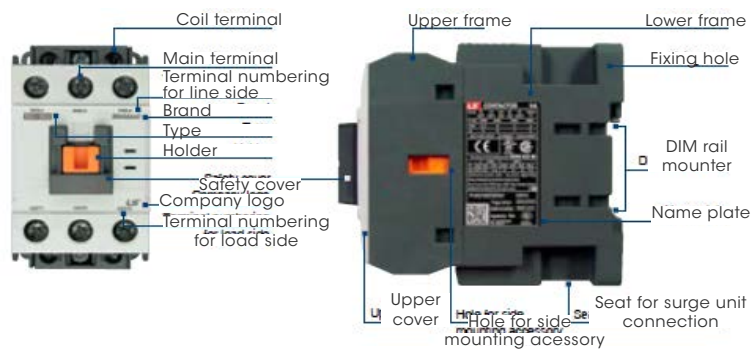
Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 150AF	MC-100A DC	94x140x17mm 2.8kg	105A	55KW	DC12V	D0003457	R 3,157.00	R 473.55	R 3,630.55
					DC24V	D0003458			
					DC48V	D0003459			
					DC110V	D0003460			
	MC-130A	119x158x-130mm 2.4kg	130A	60KW	AC24V	D0003461	R 3,277.00	R 491.55	R 3,768.55
					AC48V	D0003462			
					AC110V	D0003463			
					AC240V	D0003464			
					AC415V	D0003465			
					AC550V	D0003466			
	MC-130A DC	119x158x-130mm 2.4kg	130A	60KW	DC24V	D0003467	R 3,797.00	R 569.55	R 4,366.55
					DC48V	D0003468			
					DC110V	D0003469			
	MC-150A	119x158x-130mm 2.4kg	150A	75KW	AC24V	D0003470	R 4,196.00	R 629.40	R 4,825.40
					AC48V	D0003471			
					AC110V	D0003472			
					AC240V	D0003473			
					AC415V	D0003474			
					AC550V	D0003475			
	MC-150A DC	119x158x-130mm 2.4kg	150A	75KW	DC24V	D0003476	R 4,675.00	R 701.25	R 5,376.25
					DC48V	D0003477			
					DC110V	D0003478			
	MC-185A AC/DC	138x203x185mm 5.4kg	185A	90KW	AC/DC24V	D0003479	R 5,275.00	R 791.25	R 6,066.25
					AC/DC48V	D0003480			
					AC/DC110-240V	D0003481			
					AC415V	D0003482			
					AC525V	D0003483			
	MC-225A AC/DC	138x203x185mm 5.4kg	225A	132KW	AC/DC24V	D0003484	R 6,394.00	R 959.10	R 7,353.10
					AC/DC48V	D0003485			
					AC/DC110-240V	D0003486			
					AC415V	D0003487			
					AC525V	D0003488			
 225AF									

MAGNETIC CONTACTORS 3-POLE

1a+1b Auxiliary
Screw Terminals
Ue: 1000VAC
Ui: 1000VAC
50/60Hz

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 800AF	MC-265A AC/DC	163x243x 205mm 9.2kg	265A	160KW	AC/DC110-240V	D0003489	R 8,592.00	R 1,288.80	R 9,880.80
					AC415V	D0003490			
					AC525V	D0003491			
	MC-330A AC/DC	163x243x 205mm 9.2kg	330A	160KW	AC/DC110-240V	D0003492	R 9,070.00	R 1,360.50	R 10,430.50
					AC415V	D0003493			
					AC525V	D0003494			
	MC-400A AC/DC	163x243x 205mm 9.2kg	400A	200KW	AC/DC110-240V	D0003495	R 10,789.00	R 1,618.35	R 12,407.35
					AC415V	D0003496			
					AC525V	D0003497			
	MC-500A AC/DC	285x312x 245mm 22.4kg	500A	265KW	AC/DC110V	D0003498	R 21,538.00	R 3,230.70	R 24,768.70
					AC/DC240V	D0003499			
					AC415V	D0003500			
	MC-630A AC/DC	285x312x 245mm 22.4kg	630A	330KW	AC/DC110V	D0003501	R 22,737.00	R 3,410.55	R 26,147.55
					AC/DC240V	D0003502			
					AC415V	D0003503			
	MC-800A AC/DC	285x312x 245mm 22.4kg	800A	500KW	AC/DC110V	D0003504	R 29,130.00	R 4,369.50	R 33,499.50
					AC/DC240V	D0003505			
					AC415V	D0003506			
					AC/DC110V	D0003507			
					AC/DC240V	D0003508			
					AC415V	D0003509			

Metasol Range of LV contactors is available up to 2100Amp on request.



MAGNETIC CONTACTORS 4-POLE

Screw Terminals
Ue: 690VAC
Ui: 690VAC
50/60Hz

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 22AF	MC-9A/4 AC	45x74x79mm 0.33kg	9A	4KW	AC24V	D0004234	R 380.00	R 57.00	R 437.00
					AC48V	D0004235			
					AC110V	D0004236			
					AC240V	D0004231			
					AC415V	D0004237			
					AC550V	D0004238			
	MC-12A/4 AC	45x74x79mm 0.33kg	12A	5.5KW	AC24V	D0004112	R 420.00	R 63.00	R 483.00
					AC48V	D0004113			
					AC110V	D0004114			
					AC240V	D0003651			
					AC415V	D0004115			
					AC550V	D0004116			
	MC-18A/4 AC	45x74x79mm 0.33kg	18A	7.5KW	AC24V	D0004136	R 560.00	R 84.00	R 644.00
					AC48V	D0004137			
					AC110V	D0004138			
					AC240V	D0003652			
					AC415V	D0004139			
					AC550V	D0004140			
	MC-22A/4 AC	47x80x86mm 0.4kg	22A	11KW	AC24V	D0004156	R 660.00	R 99.00	R 759.00
					AC48V	D0004157			
					AC110V	D0004158			
					AC240V	D0004154			
					AC415V	D0004159			
					AC550V	D0004160			
	MC-32A/4 AC	59x84x95mm 0.59kg	32A	15KW	AC24V	D0004176	R 996.00	R 149.40	R 1,145.40
					AC48V	D0006225			
					AC110V	D0004676			
					AC240V	D0003654			
					AC415V	D0004730			
					AC550V	D0004731			
	MC-40A/4 AC	59x84x95mm 0.59kg	40A	18.5KW	AC24V	D0006224	R 1,159.00	R 173.85	R 1,332.85
					AC48V	D0004732			
					AC110V	D0006226			
					AC240V	D0003655			
					AC415V	D0004733			
					AC550V	D0004734			
	MC-50A/4 AC	91x124x-118mm 1.2kg	40A	22KW	AC24V	D0005002	R 1,799.00	R 269.85	R 2,068.85
					AC48V	D0004735			
					AC110V	D0006223			
					AC240V	D0003656			
					AC415V	D0004729			
					AC550V	D0004736			

4P DC contactors are available on request.

MAGNETIC CONTACTORS 4-POLE

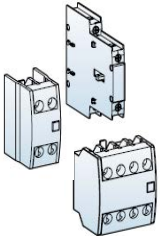
Screw Terminals
Ue: 1000VAC
Ui: 1000VAC
50/60Hz

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 65AF	MC-65A/4 AC	91x124x118mm 1.2Kg	65A	30KW	AC24V	D0004757	R 2,078.00	R 311.70	R 2,389.70
					AC48V	D0004737			
					AC110V	D0004758			
					AC240V	D0004210			
					AC415V	D0004738			
					AC550V	D0004739			
	MC-75A/4 AC	91x124x118mm 1.2Kg	75A	37KW	AC24V	D0004677	R 2,677.00	R 401.55	R 3,078.55
					AC48V	D0004740			
					AC110V	D0004678			
					AC240V	D0004679			
					AC415V	D0004741			
					AC550V	D0004742			
	MC-85A/4 AC	91x124x118mm 1.2Kg	85A	45KW	AC24V	D0004680	R 2,918.00	R 437.70	R 3,355.70
					AC48V	D0004743			
					AC110V	D0004681			
					AC240V	D0004682			
					AC415V	D0004744			
					AC550V	D0004745			

Screw Terminals
Ue: 690VAC
Ui: 690VAC
50/60Hz

Classification	Series Code	Dimensions WxHxD	Rating (AC3)		Coil Voltage (AC 50/60Hz)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 150AF	MC-100A/4 AC	175x203x185mm 5.6Kg	105A	55KW	AC24V	***	R 5,230.00	R 784.50	R 6,014.50
					AC48V	D0004746			
					AC110V/AC240V	D0004747			
					AC415V	D0004748			
					AC550V	D0004749			
	MC-130A/4 AC	175x203x185mm 5.6Kg	130A	60KW	AC110V	D0004684	R 5,994.00	R 899.10	R 6,893.10
					AC240V	D0004684			
					AC415V	***			
	MC-150A/4 AC	175x203x185mm 5.6Kg	150A	75KW	AC110V	D0004685	R 6,993.00	R 1,048.95	R 8,041.95
					AC240V	D0004685			
					AC415V	***			

Auxiliary

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	UA-1	Side mount auxiliary for MC-9B~MC-150A	1NO + 1NC	D0000200	R 85.00	R 12.75	R 97.75
	UA-2	Top mount auxiliary for MC-9B~MC-150A	2NO	D0004963	R 85.00	R 12.75	R 97.75
			1NO+1NC	D0004756			
			2NC	D0003645			
	UA-4	Top mount auxiliary for MC-9B~MC-150A	4NO	D0003646	R 136.00	R 20.40	R 156.40
			3NO+1NC	D0003647			
			2NO+2NC	D0003744			
			1NO+3NC	D0004295			
	AU-100E	Side mount auxiliary for MC-185A~MC-800A	4NC	D0003649	R 999.00	R 149.85	R 1,148.85
			1NO + 1NC	D0004687			

Electronic Timer

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	UT-1N	On Delay for MC-9b~MC-150A	AC/DC 24-48V	D0003741	R 999.00	R 149.85	R 1,148.85
	UT-2N		AC 110-220V	D0003743			
	UT-1F	Off Delay for MC-9b~MC-150A	AC/DC 24-48V	D0003740			
	UT-2F		AC 110-220V	D0003742			

Pneumatic Timer

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
Pneumatic Timer	UT-1N	Pneumatic Timer On Delay with 1 NO & 1 NC.	0.1-30 Sec	D20971	R 638.00	R 95.70	R 733.70
	UT-2N	Pneumatic Timer Off Delay with 1 NO & 1 NC.	0.1-30 Sec	D20972			

Mechanical Interlock Unit

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	UR-02	Side Mount	MC-9B~MC-150A	D0004327	R 180.00	R 27.00	R 207.00
	AR-9		MC-22A/4~MC-85A/4	D0000208	POR	POR	POR
	AR-180		MC-180~MC-400A, MC-100A/4~MC-400A/4	D0000210	R 9,191.00	R 1,378.65	R 10,569.65
	AR-600H	Base Mount	MC-500A~MC-800A	D0004968			
	AR-600V			D0004969			

UR-02 is a mechanical interlock unit and provides 2NC contacts for use in electrical interlocking
The "H" and "V" on the AR-600 interlock stands for Horizontal and Vertical.

Surge Unit

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	US-11	Varistor Type	120V AC/DC 24-48V	D0004959	R 116.00	R 17.40	R 133.40
	US-12		270V AC/DC 100-120V	D0004960			
	US-13		470V AC/DC 200-240V	D0004961			
	US-14		1000V AC/DC 380-440V	D0004962			

Surge unit absorbs the surge arisen from contactor coil, this unit can be installed directly to the contactor.

MAGNETIC CONTACTOR ACCESSORIES

Capacitor Unit

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AC-9	Pre-Loading Resistor	For MC-9B~MC-40A	D0003529	R 312.00	R 46.80	R 358.80
	AC-50		For MC-50A~MC-100A	D0003530	R 440.00	R 66.00	R 506.00

Capacitor unit is connected to the terminals of the contactor to reduce the high inrush current. Capacitor unit can limit the inrush current up to 60xIn is connected to the mechanism.

MAGNETIC CONTACTOR SPARES

Spare Coil

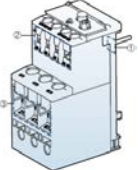
Classification	Series Code	Contactor Series	Voltage	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 No Spare coils available for MC-9b~MC-22b	AC Coil 50/60Hz	MC-32a ~ MC-40a	AC24V	D0004930	R 156.00	R 23.40	R 179.40
			AC48V	D0004931			
			AC110V	D0004932			
			AC240V	D0004933			
			AC415V	D0004934			
			AC550V	D0004935			
	DC Coil	MC-32a ~ MC-40a	DC12V	***			
			DC24V	***			
			DC48V	***			
			DC110V	***			
			DC220V	***			

MAGNETIC CONTACTOR ACCESSORIES

Classification	Series Code	Contactor Series	Voltage	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AC Coil 50/60Hz	MC-50a ~ MC-65a	AC24V	D0003748	R 180.00	R 27.00	R 207.00
			AC48V	D0003749			
			AC110V	D0003750			
			AC240V	D0003751			
			AC415V	D0003752			
			AC550V	D0003753			
	DC Coil	MC-50a ~ MC-65a	DC12V	***	R 180.00	R 27.00	R 207.00
			DC24V	***			
			DC48V	***			
			DC110V	***			
			DC220V	***			
		AC Coil 50/60Hz	MC-75a ~ MC-100a	AC24V	D0004936	R 240.00	R 36.00
AC48V				D0004937			
AC110V				D0004938			
AC240V				D0004939			
AC415V				D0004940			
AC550V				D0004941			
	DC Coil	MC-75a ~ MC-100a	DC12V	***	R 411.00	R 61.65	R 472.65
			DC24V	***			
			DC48V	***			
			DC110V	***			
			DC220V	***			
	AC Coil 50/60Hz	MC-130a ~ MC-150a	AC24V	D0004943	R 1,279.00	R 191.85	R 1,470.85
			AC48V	D0004944			
			AC110V	D0004945			
			AC240V	D0004946			
			AC415V	D0004947			
			AC550V	D0004948			
	DC Coil	MC-130a ~ MC-150a	DC12V	***	R 1,439.00	R 215.85	R 1,654.85
			DC24V	***			
			DC48V	***			
			DC110V	***			
			DC220V	***			
	AC Coil 50/60Hz	MC-185a ~ MC-225a	24V	D0004949	R 1,639.00	R 245.85	R 1,884.85
	AC/DC Common Coil		48V	D0004950			
			100-240V/100-220V	D0004951			
	AC Coil 50/60Hz	MC-265a ~ MC-400a	AC400V	D0004952	R 2,997.00	R 449.55	R 3,446.55
	AC/DC Common Coil		AC500V	D0004953			
	AC Coil 50/60Hz	MC-500a ~ MC-800a	100-240V/100-220V	D0004954	R 3,996.00	R 599.40	R 4,595.40
			AC400V	D0004955			
			AC500V	***			
			100V/130V	D0004956			
			200V/200V	D0004957			
AC/DC Common Coil	400V	D0004958					

THERMAL OVERLOAD RELAYS

Screw Terminals
Differential Type
Ue: 690VAC
Ui: 690VAC
Uimp 6KV

Classification	Series Code	Type	Ratings (Amp)		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Mid	Setting Range				
  1. Main terminal/ upstream 2. Main terminal/ downstream 3. Auxiliary terminal	MT-32 3K	Thermal Overload Relay Class 10 Direct fit to MC-18B~MC-40A	0.14A	0.1 - 0.16A	D0003510	R 560.00	R 84.00	R 644.00
			0.21A	0.16 - 0.25A	D0003511			
			0.33A	0.25 - 0.4A	D0003512			
			0.52A	0.4 - 0.63A	D0003513			
			0.82A	0.63 - 1A	D0003514			
			1.3A	1 - 1.6A	D0003515			
			2.1A	1.6 - 2.5A	D0003516			
			3.3A	2.5 - 4A	D0003517			
			5A	4 - 6A	D0003518			
			6.5A	5 - 8A	D0003519			
			7.5A	6 - 9A	D0003520			
			8.5A	7 - 10A	D0003521			
			11A	9 - 13A	D0003522			
			15A	12 - 18A	D0003523			
			19A	16 - 22A	D0003524			
			21.5A	18 - 25A	D0003525			
			27A	22 - 32A	D0003526			
			34A	28 - 40A	D0003527			
	MT-32 3D	Thermal Overload Relay Class 20 Direct fit to MC-18B~MC-40A	1.3A	1 - 1.6A	D0004750	R 716.00	R 107.40	R 823.40
			2.1A	1.6 - 2.5A	D0004688			
			3.3A	2.5 - 4A	D0004689			
			5A	5 - 6A	D0004690			
			6.5A	6 - 8A	D0004691			
			7.5A	7 - 9A	D0004692			
			8.5A	8 - 10A	D0004693			
			11A	10 - 13A	D0004694			
			15A	13 - 18A	D0004695			
			19A	17 - 22A	D0004696			
			21.5A	19 - 25A	D0004697			
			27A	23 - 32A	D0004698			
			34A	29 - 40A	D0004699			
	MT-63 3K	Thermal Overload Relay Class 10 For MC-50~MC-65A	42A	34 - 50A	D0004700	R 920.00	R 138.00	R 1,058.00
			54A	46 - 65A	D0004701			
	MT-63 3D	Thermal Overload Relay Class 20 For MC-50A~MC-65A	42A	34 - 50A	D0004702	R 1,199.00	R 179.85	R 1,378.85
			54A	46 - 65A	D0004703			
	MT-95 3K	Thermal Overload Relay Class 10 For MC-75A~MC-100A	65A	54 - 75A	D0004708	R 1,439.00	R 215.85	R 1,654.85
			74A	63 - 85A	D0004709			
			83A	70 - 95A	D0004710			
			90A	80 - 100A	D0004711			
	MT-95 3D	Thermal Overload Relay Class 20 For MC-75A~MC-100A	65A	54 - 75A	D0004704	R 1,419.00	R 212.85	R 1,631.85
			74A	63 - 85A	D0004705			
			83A	70 - 95A	D0004706			
			90A	80 - 100A	D0004707			

THERMAL OVERLOAD RELAYS

Screw Terminals
Differential Type
Ue: 690VAC
Ui: 690VAC
Uimp 6KV

Classification	Series Code	Type	Ratings (Amp)		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Mid	Setting Range				
	MT-150 3K	Thermal Overload Relay Class 10 for MC-130A~MC-150A	93A	80 - 100A	D0004712	R 2,198.00	R 329.70	R 2,527.70
			113A	95 - 130A	D0004713			
			130A	110 - 150A	D0004714			
	MT-150 3D	Thermal Overload Relay Class 20 for MC-130A~MC-150A	93A	80 - 100A	D0004715	R 1,998.00	R 299.70	R 2,297.70
			113A	95 - 130A	D0004716			
			130A	110 - 150A	D0004717			
	MT-225 3K	Thermal Overload Relay Class 10 for MC-185A~MC-225A	150A	120 - 180A	D0004718	R 3,197.00	R 479.55	R 3,676.55
			200A	160 - 240A	D0004719			
			150A	120 - 180A	D0004720	R 3,397.00	R 509.55	R 3,906.55
	MT-225 3D	Thermal Overload Relay Class 20 for MC-185A~MC-225A	200A	160 - 240A	D0004721			
			265A	200 - 330A	D0004722	R 5,115.00	R 767.25	R 5,882.25
			350A	260 - 400A	D0004723			
	MT-400 3K	Thermal Overload Relay Class 10 for MC-265A~MC-400A	265A	200 - 330A	D0004724	R 4,796.00	R 719.40	R 5,515.40
			350A	260 - 400A	D0004725			
			500A	400 - 600A	***	R 11,269.00	R 1,690.35	R 12,959.35
	MT-800 3K	Thermal Overload Relay Class 10 For MC-500A~MC-800A	660A	520 - 800A	***			
			515A	400 - 600A	D0004726	R 9,591.00	R 1,438.65	R 11,029.65
			660A	520 - 800A	D0004727			

THERMAL OVERLOAD ACCESSORIES

Separate Mounting Base

Classification	Series Code	Type	Overload Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	UZ-32	Separate mounting base to fit an overload relay separate from the contactor	MT-32/3K	D0006231	R 121.00	R 18.15	R 139.15
			MT-32/3D				
	UZ-63		MT-63/3K	D0006252	R 152.00	R 22.80	R 174.80
			MT-63/3D				
	UZ-95		MT-95/3K	D0003727	R 252.00	R 37.80	R 289.80
			MT-95/3D				
	UZ-150		MT-150/3K	D0004974	R 779.00	R 116.85	R 895.85
			MT-150/3D				

Remote Reset Unit

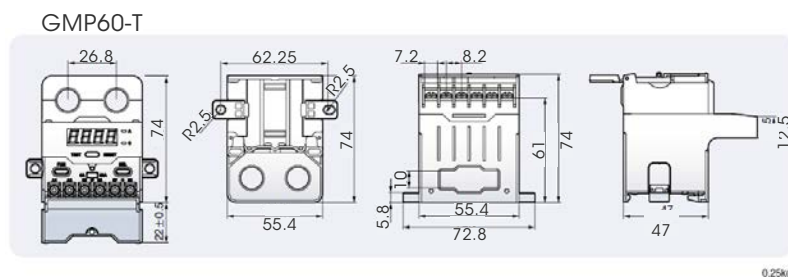
Classification	Series Code	Type	Overload Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	UM-4R	400mm	MT-32 ~ MT-95	D0004326	R 839.00	R 125.85	R 964.85
	UM-5R	500mm		***	R 999.00	R 149.85	R 1,148.85
	UM-6R	600mm		***	R 788.00	R 118.20	R 906.20

This device is used to remote reset an overload relay on the panel door.

ELECTRONIC MOTOR PROTECTION RELAYS

Classification	Series Code	Type	Setting Range (A)	Control Voltage (V)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	GMP60-T	EMPR with Overcurrent Protection	0.5 - 6.0A	AC110V	D0015755	R 1,153.00	R 172.95	R 1,325.95
				AC180-480V	D0020690			
		Phase Failure Protection	3.0 - 30A	AC110V	D0015754			
				AC180-480V	D0020691			
		Lock/Stall Trip protection	5.0 - 60A	AC110V	D0015756			
				AC180-480V	D0020692			

The GMP-60T has x2 built in CTs, 1SPDT auxiliary, adjustable trip 0-30 (Definite time) and manual reset
Larger current over 60Amp can be achieved by using x2 external CTs.



Classification	Series Code	Type	Setting Range (A)	Control Voltage (V)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	GMP22-3PR	Pin type EMPR Overcurrent Phase Failure Lock/Stall Phase Unbalance Reverse Phase Mounts directly to Metasol Contactor	0.3 - 1.5A	AC110 - 220V	D0000169	R 1,860.00	R 279.00	R 2,139.00
			4.4 - 22A		D0000171			
	GMP40-3PR		4.0 - 20A	AC110 - 220V	D0007272	R 1,860.00	R 279.00	R 2,139.00
			8.0 - 40A		D0007273			
	GMP22-3SR	Screw type EMPR Overcurrent, Phase Failure Lock/Stall Phase Unbalance Reverse Phase Separate mountable on din-rail or base	0.3 - 1.5A	AC110 - 220V	D0007269	R 1,789.00	R 268.35	R 2,057.35
			4.4 - 22A		D0007271			
	GMP40-3SR		4.0 - 20A	AC110 - 220V	D0007274	R 1,789.00	R 268.35	R 2,057.35
			8.0 - 40A		D0007275			

The GMP-22/40 has a LED indicator for operation and trip cause indicates; Normal operation, Overload, Phase Failure, Phase Unbalance and Reverse Phase.
Phase Failure, Phase Unbalance and Reverse Phase.
Class 5-30 trip time adjustment and 1NO+1NC Auxiliary.

Classification	Series Code	Type	Setting Range (A)	Control Voltage (V)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	IMP100-A420	4-20mA Analogue Output	0.5-10Amp	AC/DC 85-245V	D0020693	R 6,999.00	R 1,049.85	R 8,048.85
			10-100Amp		D0020105	R 6,999.00	R 1,049.85	R 8,048.85
	IMP100-M485	Modbus/RS485 Communication	0.5-10Amp		D0020694	R 6,999.00	R 1,049.85	R 8,048.85
			10-100Amp		D0020695	R 6,999.00	R 1,049.85	R 8,048.85

IMP EMPR Features:

Phase Failure, Phase Unbalance, Reverse Phase, Stall, Lock, Undercurrent and Ground Fault Protection.
MODBUS RS-485 Communication or 4~20mA analogue output.

3 Phase ampere meter function display button select the thermal inverse/inverse time or definite time.

Display the causes of the fault and the values.

Adjustable wide current range (0.5~100A).

Larger current than 100A can be achieved by adding external CTs.

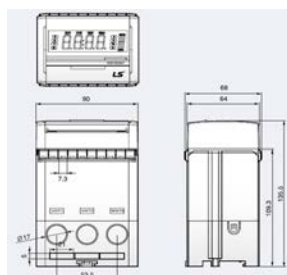
Current Transformers for EMPR

Classification	Series Code	Type	Rating Amp	Hole Sizes (mm)		List Price Excl VAT	VAT Amount	List Price Incl VAT
	DCT-100	Current transformer (2CT) for use with GMP60-T type EMPR	100A	28.5 x 33.5	***	R 585.00	R 87.75	R 672.75
	DCT-150		150A		***	R 585.00	R 87.75	R 672.75
	DCT-200		200A		***	R 622.00	R 93.30	R 715.30
	DCT-300		300A		***	R 622.00	R 93.30	R 715.30
	DCT-400		400A		***	R 695.00	R 104.25	R 799.25
	SCT-150	Current transformers (3CT) for use with IMP type EMPR	150A	27.5 x 32.5	***	R 1,430.00	R 214.50	R 1,644.50
	SCT-200		200A		***	R 1,535.00	R 230.25	R 1,765.25
	SCT-300		300A		***	R 1,755.00	R 263.25	R 2,018.25
	SCT-400		400A		***	R 1,755.00	R 263.25	R 2,018.25

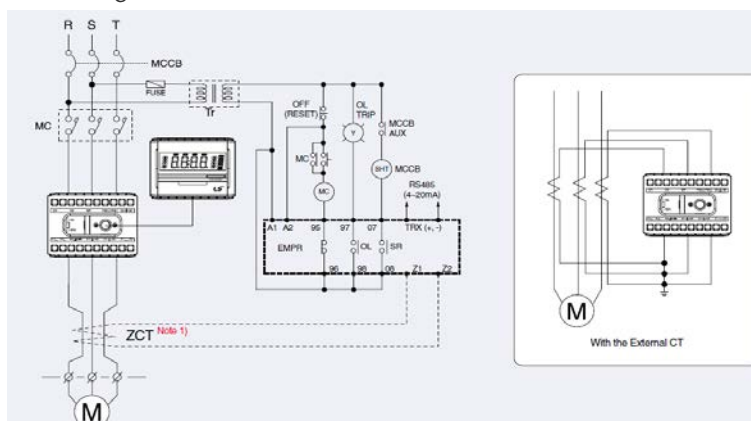
Classification	Series Code	Type	Cable Length (Meter)	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	Cable	Panel Mount Extension Cable for IMP Series EMPR	1.15	***	R 504.00	R 75.60	R 579.60
			2	D0007853	R 567.00	R 85.05	R 652.05
			3	***	R 632.00	R 94.80	R 726.80
			4	***	R 693.00	R 103.95	R 796.95



IMP



IMP Wiring Method



MANUAL MOTOR STARTER

Short Circuit
Phase Failure
Overload Protections
Ui: 690VAC
Test Function

Classification	Series Code	Rating (KW)	Setting Range(A)	Icu (KA)		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
				220V	460V				
	MMS-32H 94Hx-45Wx85D 0.36kg	0.08KW	0.1-0.16A	100KA	100KA	***	R 788.00	R 118.20	R 906.20
		0.13KW	0.16-0.25A			***			
		0.18KW	0.25-0.4A			D0003200			
		0.2KW	0.4-0.63A			D0003201			
		0.35KW	0.63-1.0A			D0000001			
		0.55KW	1.0-1.6A			D0000002			
		0.75KW	1.6-2.5A			D0000003			
		1.5KW	2.5-4.0A			D0000004			
		2.2KW	4.0-6.0A			D0000005			
		3.0KW	5.0-8.0A			D0000006			
		4KW	6.0-10A			D0000007			
		5.5KW	9.0-13A			D0000008			
		7.5KW	11-17A			D0000009			
		10KW	14-22A			D0000010			
		11KW	18-26A			D0000011			
		15KW	22-32A			D0000012			
	MMS-63S 150Hx-55Wx130D 1kg	18.5KW	28-40A	50KA	25KA	D0007665	R 1,736.00	R 260.40	R 1,996.40
		22KW	34-50A			D0007666	R 1,817.00	R 272.55	R 2,089.55
		30KW	45-63A			D0007667			
	MMS-100A 165Hx-70Wx157D 2.2kg	37KW	55-75A	100KA	50KA	D0003216	R 3,315.00	R 497.25	R 3,812.25
		45KW	70-90A			D0007668	R 3,588.00	R 538.20	R 4,126.20
		55KW	80-100A			D0007699			

ACCESSORIES FOR MANUAL MOTOR STARTER

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	FX	Front Mount Auxiliary Switch	2A	D0005003	R 168.00	R 25.20	R 193.20
			1A1B	D0000206			
			2B	D0007746			
	LX	Side Mount Auxiliary Switch (Left)	2A	D0007747	R 196.00	R 29.40	R 225.40
			1A1B	D0000207			
			2B	D0007748			
	LA	Any Trip Alarm for MMS-32H (Left)	2A	D0004268	R 254.00	R 38.10	R 292.10
			1A1B	D0004269			
			2B	***			
		Any Trip Alarm for MMS-63/100S (Left)	2A	***	R 254.00	R 38.10	R 292.10
			1A1B	E0012566			
			2B	***			
	LAM	Magnetic Trip Alarm (Left)	2A	D0004271	R 269.00	R 40.35	R 309.35
			1A1B	D0004272			
			2B	***			

ACCESSORIES FOR MANUAL MOTOR STARTER

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	RS	Shunt Trip (Right)	AC24V		D0004068	R 426.00	R 63.90	R 489.90
			AC110V		D0004069			
			AC240V		D0004070			
			AC415V		D0004072			
	RU	Under Voltage Trip (Right)	AC24V		***	R 426.00	R 63.90	R 489.90
			AC110V		***			
			AC240V		D0002696			
			AC415V		D0002697			
	RUX	Under Voltage Trip with Switch (Right)	AC24V		D0004276	R 485.00	R 72.75	R 557.75
			AC110V		D0004277			
			AC240V		D0004278			
			AC415V		D0004279			
	MEH-32	Door Interlock/ Extension Handle 315mm	For MMS-32H		D0004561	R 508.00	R 76.20	R 584.20
	MEH-63		For MMS-63S		D0004562			
	MEH-100		For MMS-100S		D0004563			
	EPH-32	MMS Enclosure, IP65 Surface Mount	For MMS-32H		D0002690	R 386.00	R 57.90	R 443.90
	PB-322	MMS Busbar 2 Terminal Type	For MMS-32H		D0000212	R 137.00	R 20.55	R 157.55
	PB-632		For MMS-63S		D0004284	R 269.00	R 40.35	R 309.35
	PB-323	MMS Busbar 3 Terminal Type	For MMS-32H		D0004281	R 351.00	R 52.65	R 403.65
	PB-633		For MMS-63S		D0004977	R 386.00	R 57.90	R 443.90
	PB-325	MMS Busbar 5 Terminal Type	For MMS-32H		D0020103	R 321.00	R 48.15	R 369.15
	DA-16HA	MMS-32H Direct Adapter AC Type	For GMC6-16M		D0004286	R 80.00	R 12.00	R 92.00
	DA-32HA		For MC9-32		D0004298	R 153.00	R 18.00	R 175.95
	DA-63A	MMS-63 Direct Adapter AC Type	MC50-65 Lug Type		D0004299	R 180.00	R 27.30	R 207.00
	DA-95A	MMS-63 Direct Adapter AC Type	MC75-100 Lug Type		D0004300	R 241.00	R 36.30	R 277.15
	MU-45	Mounting Unit	MMS-32H	MC9-32	D0004288	R 137.00	R 20.55	R 157.55
	MU-55		MMS-63S	MC50-65	D0004289	R 254.00	R 38.10	R 292.10
	MU-70		MMS-100S	MC75-100	D0004290	R 293.00	R 43.95	R 336.95

MU-55/70 must use lug type contactors.

CONTACTOR FOR MMS DIRECT CONNECTION

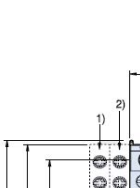
Lug Type Contactor

Classification	Series Code	Dimensions WxHxD	Rating AC3		Coil Voltage	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
	MC-50A Lug Type	79x106x119 mm 1.05kg	50Amp	22KW	AC24V	***	R 1,323.00	R 197.10	R 1,521.45
					AC48V	***			
					AC110V	***			
					AC240V	D0015706			
					AC415V	***			
					AC550V	***			

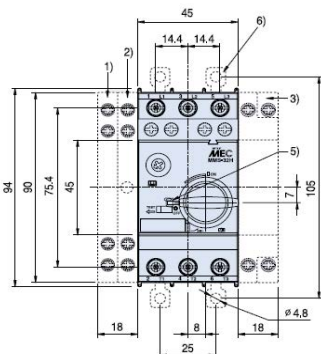
CONTACTOR FOR MMS DIRECT CONNECTION

Lug Type Terminals
Ue: 1000VAC
Ui: 1000VAC
50/60Hz

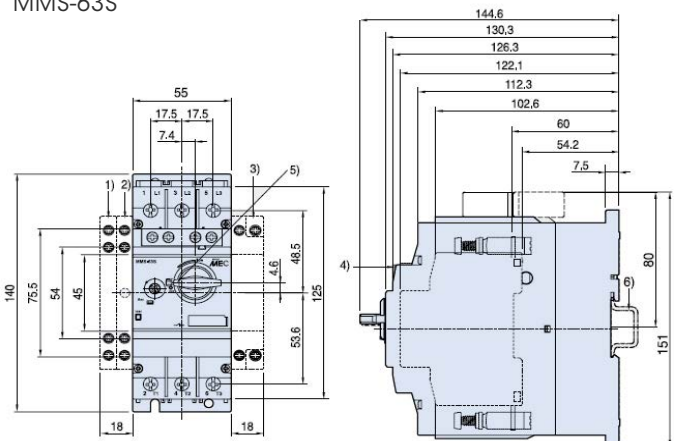
LS MMS

Classification	Series Code	Dimensions WxHxD	Rating AC3		Coil Voltage	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
	MC-65A Lug Type	79x106x119mm 1.05kg	65Amp	30KW	AC24V	***	R 1,502.00	R 224.10	R 1,727.30
					AC48V	***			
					AC110V	***			
					AC240V	D0004759			
					AC415V	***			
					AC550V	***			
	MC-75A	94x140x136mm 1.93kg	75Amp	37KW	AC24V	***	R 1,719.00	R 256.35	R 1,976.85
					AC48V	***			
					AC110V	***			
					AC240V	D0015542			
					AC415V	***			
					AC550V	***			
	MC-85A	94x140x136mm 1.93kg	85Amp	45KW	AC24V	***	R 2,035.00	R 303.45	R 2,340.25
					AC48V	***			
					AC110V	***			
					AC240V	D0015541			
					AC415V	***			
					AC550V	***			
	MC-100A	94x140x136mm 1.93kg	55Amp	105KW	AC24V	***	R 2,724.00	R 406.05	R 3,132.60
					AC48V	***			
					AC110V	***			
					AC240V	D0015540			
					AC415V	***			
					AC550V	***			

MMS-32H

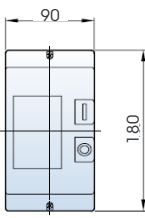


MMS-63S



ENCLOSED DIRECT ONLINE STARTERS

Plastic Surface Mount with Push Buttons

Classification	Series Code	Type	Rating AC3		Control Voltage	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			Amp	KW					
 	MW-9MB	Complete with Contactor and Thermal Overload Relay	2.1A	0.75KW	AC240V	***	R 1,465.00	R 219.75	R 1,684.75
			3.3A	1.5KW		***			
			5.0A	2.2KW		D0003961			
			6.5A	3.0KW		D0003962			
			8.5A	4.0KW		D0003963			
	MW-12MB		11A	5.5KW	D0000080	R 1,494.00	R 224.10	R 1,718.10	
	MW-18MB		15A	7.5KW	D0000061	R 1,586.00	R 237.90	R 1,823.90	
	MW-22MB		21.5A	11KW	D0006581	R 1,689.00	R 253.35	R 1,942.35	
	MW-9MB	Complete with Contactor and Thermal Overload Relay	2.1A	0.75KW	AC415V	D0000051	R 1,466.00	R 219.90	R 1,685.90
			3.3A	1.5KW		D0000052			
			5.0A	2.2KW		D0000053			
			6.5A	3.0KW		D0000054			
			8.5A	4.0KW		D0000055			
	MW-12MB		11A	5.5KW	D0003956	R 1,494.00	R 224.10	R 1,718.10	
	MW-18MB		15A	7.5KW	D0003948	R 1,586.00	R 237.90	R 1,823.90	
	MW-22MB		21.5A	11KW	D0000078	R 1,689.00	R 253.35	R 1,942.35	
	MW-9	Complete with Contactor, No Overload	9A	4.0KW	AC240V	D0004994	R 908.00	R 136.20	R 1,044.20
	MW-12		12A	5.5KW		D0004996	R 936.00	R 140.40	R 1,076.40
	MW-18		18A	7.5KW		D0004998	R 1,028.00	R 154.20	R 1,182.20
	MW-22		22A	11KW		D0005000	R 1,131.00	R 169.65	R 1,300.65
	MW-9	Complete with Contactor, No Overload	9A	4.0KW	AC415V	D0004995	R 908.00	R 136.20	R 1,044.20
	MW-12		12A	5.5KW		D0004997	R 936.00	R 140.40	R 1,076.40
	MW-18		18A	7.5KW		D0004999	R 1,028.00	R 154.20	R 1,182.20
	MW-22		22A	11KW		D0005001	R 1,131.00	R 169.65	R 1,300.65

Custom build DOL, Star-Delta, Fwd/Rev etc. starters available on request.

EMPTY ENCLOSURE FOR DOL STARTER

Enclosure Only

Classification	Series Code	Type	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	EMW9-22	Empty PVC Enclosure for DOL Starter	D0000063	R 618.00	R 92.00	R 710.70

VARIABLE SPEED DRIVE

Single Phase VSD 220V 50Hz

Classification	Series Code	Dimensions WxHxD	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			KW	Output (A)	Input (A)				
	FR100-2S Single Phase	162x95x120mm	0.75KW	4.2A	9.3A	D0020737	POR	POR	POR
		173x110x135mm	1.5KW	7.5A	15.7A	D0020738	POR	POR	POR
			2.2KW	9.5A	24A	D0020739	POR	POR	POR
	FR200-2S Single Phase	249x146x177mm	4.0KW	17A	34A	D0020740	POR	POR	POR
			5.5KW	25A	60A	D0020741	POR	POR	POR

It is important to select a VSD to match the motor's FLC in amp rating rather than KW rating.

Classification	Series Code	Dimensions WxHxD	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			KW	Output (A)	Input (A)				
	SY380-S2	418x315x 216mm	4.0KW	9.5A	30A	***	POR	POR	POR
			5.5KW	13A	45A	***	POR	POR	POR
			7.5KW	17A	56A	***	POR	POR	POR
	SY380-2S	455x220x 230mm	11KW	25A	85A	***	POR	POR	POR
			15KW	32A	105A	***	POR	POR	POR
			22KW	45A	153A	***	POR	POR	POR

It is important to select a VSD to match the motor's FLC in amp rating rather than KW rating.

Three Phase AC380V 50HZ

Classification	Series Code	Dimensions WxHxD	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			KW	Output (A)	Input (A)				
 	FR100-4T AC380/ 415V	173x110x 135mm	0.75KW	2.5A	3.4A	D0020742	POR	POR	POR
			1.5KW	4.2A	5.0A	D0020743	POR	POR	POR
			2.2KW	5.5A	5.8A	D0020744	POR	POR	POR
			4.0KW	9.5A	11A	D0020745	POR	POR	POR
	FR200-4T AC380/ 415V	249x146x 177mm	5.5KW	13A	14.6A	D0020746	POR	POR	POR
			7.5KW	17A	20.5A	D0020747	POR	POR	POR
		300x198x 185mm	11KW	25A	26A	D0020748	POR	POR	POR
			15KW	32A	35A	D0020749	POR	POR	POR
		459x255x 220mm	18.5KW	37A	38.5A	D0020750	POR	POR	POR
			22KW	45A	46.5A	D0020751	POR	POR	POR
			30KW	60A	62A	D0020752	POR	POR	POR
		590x270x 260mm	37KW	75A	76A	D0020753	POR	POR	POR
			45KW	91A	92A	D0020754	POR	POR	POR
			55KW	112A	113A	D0020755	POR	POR	POR
			75KW	150A	157A	D0020756	POR	POR	POR
		830x430x 293mm	90KW	176A	180A	D0020757	POR	POR	POR

PV Variable Speed Drive

Classification	Series Code	Ratings			Max Open Circuit	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
		KW	Output (A)	Input (A)					
	PV100-2S Single Phase MPPT 250-DC 350V	0.75KW	4.2A	9.3A	DC 400V	***	POR	POR	POR
		2.2KW	9.5A	24A		***	POR	POR	POR
	PV100-4T Three Phase MPPT DC 450V-DC 600V	0.75KW	2.5A	3.4A	DC 800V	***	POR	POR	POR
		2.2KW	5.5A	5.8A		***	POR	POR	POR
		4.0KW	10A	11A		***	POR	POR	POR
	PV 200-4T Three Phase MPPT DC450V-DC600V	5.5KW	13A	15A	DC 800V	***	POR	POR	POR
		7.5KW	17A	21A		***	POR	POR	POR
		11KW	25A	26A		***	POR	POR	POR

3 Phase Softstarter 380V 50Hz

Classification	Series Code	Dimensions WxHxD	Ratings			K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT	
			KW	Output (A)	Input (A)					
	RQ100	331x202x237mm	AC380/415V	15KW	30A	D0020758	POR	POR	POR	
				22KW	45A	D0020759	POR	POR	POR	
				37KW	74A	D0020760	POR	POR	POR	
				45KW	90A	D0020761	POR	POR	POR	
		501x202x260mm		55KW	110A	D0020762	POR	POR	POR	
				75KW	150A	D0020763	POR	POR	POR	
		563x270x257mm		90KW	180A	D0020764	POR	POR	POR	
	132KW			265A	D0020765	POR	POR	POR		
	RQ160			160KW	320A	D0020766	POR	POR	POR	
	RQ100	620x305x278mm		200KW	400A	D0020767	POR	POR	POR	
				250KW	500A	D0020768	POR	POR	POR	
				280KW	560A	D0020769	POR	POR	POR	

VARIABLE SPEED DRIVE

Single Phase AC220V 50Hz

Classification	Series Code	Dimensions WxHxD	Ratings		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			KW	Output (A)				
	M10	163x85x123	0.4KW	2.4A	***	POR	POR	POR
			0.75KW	4.2A	***	POR	POR	POR
		190x100x140	1.5KW	7.5A	***	POR	POR	POR
			2.2KW	10A	***	POR	POR	POR

It is important to select a VSD to match the motor's FLC in amp rating rather than KW rating.

Three Phase AC380-480V 50HZ

Classification	Series Code	Dimensions WxHxD	Ratings		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			KW	Output (A)				
	G100		0.4KW	2A	***	POR	POR	POR
			0.75KW	3.1A	***	POR	POR	POR
			1.5KW	5.1A	***	POR	POR	POR
			2.2KW	6.9A	***	POR	POR	POR
			4KW	10A	***	POR	POR	POR
			5,5KW	16A	***	POR	POR	POR
			7,5KW	23A	***	POR	POR	POR
 	S100 IP20	61x68x128	0.75KW	2.5A	D0020700	POR	POR	POR
		128x100x130	1.5KW	4A	D0020701	POR	POR	POR
		128x100x145	2.2KW	5.5A	D0020702	POR	POR	POR
		128x140x145	4.0KW	9A	D0020703	POR	POR	POR
		232x160x140	5.5KW	12A	D0020704	POR	POR	POR
			7.5KW	16A	D0020705	POR	POR	POR
		290x180x163	11KW	24A	D0020706	POR	POR	POR
			15KW	30A	D0020707	POR	POR	POR
		350x220x187	18.5KW	39A	D0020708	POR	POR	POR
			22KW	45A	D0020709	POR	POR	POR
		450x275x284	30KW	61A	D0020710	POR	POR	POR
		510x325x284	37KW	75A	D0020711	POR	POR	POR
			45KW	91A	D0020712	POR	POR	POR
		550x325x309	55KW	110A	D0020713	POR	POR	POR
			75KW	152A	D0020714	POR	POR	POR
		783x510x422	90KW	183A	***	POR	POR	POR
			110KW	223A	***	POR	POR	POR
		IS7 IP00	861x510x422	132KW	264A	***	POR	POR
	160KW			325A	***	POR	POR	POR

It is important to select a VSD to match the motor's FLC in amp rating rather than KW rating.

VARIABLE SPEED DRIVE

Three Phase AC525-600V 50HZ

Classification	Series Code	Dimensions WxHxD	Ratings		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			KW	Output (A)				
	IP5A	355x200x183	5.5KW	9.0A	D0020715	POR	POR	POR
			7.5KW	12A	D0020716	POR	POR	POR
			11KW	17A	D0020717	POR	POR	POR
		385x250x201	15KW	23A	D0020718	POR	POR	POR
			18.5KW	27A	D0020719	POR	POR	POR
		460x304x234	22KW	34A	D0020720	POR	POR	POR
			30KW	43A	D0020721	POR	POR	POR
		534x300x293	37KW	55A	D0020722	POR	POR	POR
45KW	64A		D0020723	POR	POR	POR		
	IP5A	534x300x293	55KW	80A	D0020724	POR	POR	POR
		610x370x338	75KW	104A	D0020725	POR	POR	POR
			90KW	128A	D0020726	POR	POR	POR
		784x510x423	110KW	150A	***	POR	POR	POR
			132KW	200A	***	POR	POR	POR
		861x510x423	160KW	242A	***	POR	POR	POR

It is important to select a VSD to match the motor's FLC in amp rating rather than KW rating.



PLC SERIES

XGT/XGB Series

LS Programmable Logic Controllers (PLC) are general-purpose control devices built to control industrial electromechanical processes, machinery, facilities and assemble lines by user defined programs.

Offering a diverse range of communication functions for sequence, motion and process control. The cost-effective PLC system – XGB is compact, high performance and easy to use.

Providing variable built in functions, XGB is built for small to medium industrial automation jobs. Delivering high performance solutions, the XGT PLC range consists of the XGR – Redundancy System, XGK – Ladder programming and XGI – IEC standard programming.



XGT PANEL

Human Machine Interface (HMI)

Designed for the process industry and factory automation, the XGT Panel Series offers a cost-effective solution for the HMI market.

Providing users with machine monitoring and control with the advanced technologies and product quality. LS XGT panels offer high resolution, quick responsiveness and user-friendly interface.



XGT SERVO

XDL/XML Series

User-oriented XGT Servo systems offer a wide range of both servo drive and motor solutions. Offering excellent functionality, high precision and high speed control, LS XGT drive supports built-in EtherCAT interface as well as various operation modes offering a versatile, compact and high performance solution.



VARIABLE SPEED DRIVES

LS Industrial Systems were the first company to introduce general purpose drives in Korea. Since the initial development LS have continuously researched and developed inverter drives to meet the demands of the industrial market.

Providing innovative solutions for several key industries including water treatment plants, steel manufacturing and air conditioning. LS VSDs are ideal for controlling the speed of machine tools, pumps, fans and conveyor systems.



PUSH BUTTONS AND PILOT LIGHTS

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT	
	XB2-BA31	Push Button Flush 22mm Complete with Bezel and Contact Block	Green	1NO	D0001429	R 64.00	R 9.60	R 73.60	
	XB2-BA42		Red	1NC	D0001431				
	XB2-BA51		Yellow	1NO	D0001434				
	XB2-BA61		Blue	1NO	D0001435				
	XB2-BA11		White	1NO	D0001427				
	XB2-BA21		Black	1NO	D0001428				
	NBXB-BA3	Ip65 Push Button Flush 22mm Complete with Bezel and Contact Block	Green	1NO	D0020770	R 80.00	R 10.35	R 92.00	
	NBXB-BA4		Red	1NC	D0020771				
	NBXB-BA5		Yellow	1NO	D0020772				
	NBXB-BA6		Blue	1NO	D0020773				
	NBXB-BA1		White	1NO	D0020774				
	NBXB-BA2		Black	1NO	D0020775				
	XB2-BL8425	Start/Stop Combination Button	Red/Green	1NO+1NC	D0001454	R 180.00	R 23.25	R 207.00	
	XB2-BS542	Emergency Stop 40mm Red Mushroom Head	Twist Release	1NC	D0001457	R 169.00	R 21.75	R 194.35	
	XB2-BT42	Complete With Bezel and Contact Block	Push Pull	1NC	D0001458	R 146.00	R 18.90	R 167.90	
	XB2-BS142		Key Release	1NC	D0001455	R 174.00	R 22.50	R 200.10	
	XB2-J174	Enclosed Emergency Stop	Twist Release	1NC	D0004432	R 225.00	R 29.25	R 258.75	
	XB2-BD21	Selector Switch 22mm Short Handle	2-Pos	1NO	D0001437	R 122.00	R 15.75	R 140.30	
	XB2-BD25			2NO	***	R 153.00	R 19.80	R 175.95	
	XB2-BD33			3-Pos	2NO	D0001438	R 160.00	R 20.55	R 184.00
	XB2-BG25	Key Selector Switch 22mm	2-Pos	2NO	D0001442	R 185.00	R 24.00	R 212.75	
	XB2-BG33			3-Pos	2NO	D0001443	R 185.00	R 24.00	R 212.75
	XB2-BZ009	Bezel for 22mm Button				D0001472	R 52.00	R 6.75	R 59.80
	XB2-BE101	Contact Block for 22mm Button	1NO	D1473	D0001473				
XB2-BE102	1NC		D1474	D0001474					

PUSH BUTTONS AND PILOT LIGHTS

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AD127 AC/DC24V	LED Indication Pilot Light 22mm hole	Green	D0004504	R 75.00	R 9.75	R 86.25
			Red	D0004505			
			Yellow	D0004506			
			Blue	D0014586			
			White	***			
		LED Indication Pilot Light 22mm hole	Green	D0014589	R 75.00	R 9.75	R 86.25
			Red	D0014588			
			Yellow	D0014590			
			Blue	D0001239			
			White	D0014587			
	AD127 AC230V	LED Indication Pilot Light 22mm hole	Green	D0000997	R 75.00	R 9.75	R 86.25
			Red	D0000998			
			Yellow	D0001000			
			Blue	D0000996			
			White	D0000999			
	AD127 AC380V	LED Indication Pilot Light 22mm hole	Green	D0001246	R 75.00	R 9.75	R 86.25
			Red	D0001251			
			Yellow	D0001261			
			Blue	D0001241			
			White	D0001256			
	Legend Plates	Legend Plate Holder 27x12.5mm	For 22mm Pushbutton/ Selector or Pilot Light	O0012653	R 28.00	R 4.20	R 32.20
		Printed Legend Plate 27x12.5mm Custom Printed Legend Plates Available on Request	Start	***	R 18.00	R 2.70	R 20.70
			Stop	***			
			Run	***			
			Trip	***			
			On	***			
			Off	***			
		Yellow Round	Emergency Stop	O0012589	R 56.00	R 8.40	R 64.40

PUSH BUTTONS ENCLOSURE

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	BOX1Y	Push Button Enclosure PVC	1 Hole Yellow	L0000901	R 110.00	R 14.10	R 126.50
	BOX1G		1 Hole Grey	L0000900	R 110.00	R 14.10	R 126.50
	BOX2G		2 Hole Grey	L0000902	R 114.00	R 14.70	R 131.10
	BOX3G		3 Hole Grey	L0000903	R 138.00	R 17.85	R 158.70
	BOX4G		4 Hole Grey	L0000904	R 167.00	R 21.60	R 192.05
	BOX5G		5 Hole Grey	L0000905	R 200.00	R 25.95	R 230.00

AMMETER

Classification	Series Code	Type	Configuration	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	AEC7205	72mm Ammeter CT Read (5Amp Ration) 100% Over Scale	100/5A	D0001478	R 353.00	R 52.95	R 405.95
			150/5A	D0001479			
			200/5A	D0001480			
			250/5A	D0004533			
			300/5A	D0004534			
			400/5A	D0001483			
			500/5A	D0004535			
			600/5A	D00015035			
			700/5A	***			
			800/5A	D00015036			
			1000/5A	D00015037			
			1250/5A	D00015038			
	AEC9605	96mm Ammeter CT read (5Amp Ration) 100% over scale	100/5A	D0001485	R 353.00	R 52.95	R 405.95
			150/5A	D0001486			
			200/5A	D0001487			
			250/5A	D0004539			
			300/5A	D0001488			
			400/5A	D0001489			
			500/5A	D0001490			
			600/5A	D0002919			
			700/5A	D0004543			
			800/5A	D0002920			
			1000/5A	D0002921			
			1250/5A	***			

DC Ammeters available on request. Max demand meters available on request.

CURRENT TRANSFORMERS

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	CP62/30	Ring type CT 30mm ID Class 1	50/5A	2.5VA	D0003159	R 275.00	R 41.25	R 316.25
			100/5A	5VA	D0003162			
			150/5A	5VA	D0003163			
	CT40	Ring type CT 40mm ID Class 1	200/5A	5VA	D0003165	R 295.00	R 44.25	R 339.25
			300/5A	5VA	D0003167			
			500/5A	10VA	D0003169	R 325.00	R 48.75	R 373.75
			600/5A	10VA	D0003170			
	CT60	Ring type CT 60mm ID Class 1	800/5A	10VA	D0003174	R 551.00	R 82.65	R 633.65
			1000/5A	15VA	D0003175			
			1250/5A	15VA	D0003176			

VOLTMETER

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	VEF72	72mm Voltmeter AC type	0-500VAC		D2949	R 385.00	R 57.75	R 442.75
			0-600VAC		D2950			
	VEF96	96mm Voltmeter AC type	0-500VAC		D1426	R 385.00	R 57.75	R 442.75
			0-600VAC		D2952			

DC Voltmeters are available on request. Running hour meters available on request.

TIMER

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	CRM-2T/240	Star Delta Timer DIN Rail Mount	AC24-480V		D0004344	R 800.00	R 120.00	R 920.00
	TSDT4030S	Star Delta Timer Base mount	AC415V	11-Pin	D0004345	R 668.00	R 100.20	R 768.20
	SRD-11	Timer/Relay base	11-pin		D0006403	R 133.00	R 19.95	R 152.95

SELECTOR SWITCHES

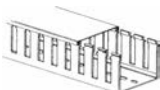
Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	CA34	Ammeter selector switch for 3 Phase 4 wire system using 3 Current Transformers	4 Pos Off/Red/Wht/Blue		D0004375	R 450.00	R 67.50	R 517.50
	CV34	Voltmeter selector switch for 3 Phase 4 wire system using 3PT's or Direct Connected	4 Pos Off/Red/Wht/Blue		D0015053			
	CV33		7 Pos Off/Ph/Ph+Ph/N		D0004390			

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	DEM-015SG	Digital Kwh meter 1Ph	5-100A	AC230V	E0000271	R 1,355.00	R 203.25	R 1,558.25
	DEM-024SJ	Digital Kwh meter 3Ph 4-Wire direct connection	5-100A	AC400V	E0002535	R 3,225.00	R 483.75	R 3,708.75
	DEM-021LC	Digital Kwh meter 3Ph 4-Wire CT Operated only	5A CT ratio	AC400V	O0002788	R 3,225.00	R 483.75	R 3,708.75

FUSE HOLDERS AND FUSES

Classification	Series Code	Type	Configuration		K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 	WSI	Fuse Holder 10x38	1Pole	1000V	D0016156	R 105.00	R 15.75	R 120.75
	RT28	10X38 Cylinder Fuse	2A	500V	D0000825	R 10.00	R 1.50	R 11.50
			4A	500V	D0000826			
			6A	500V	D0000827			
			10A	500V	D0000828			
			16A	500V	D0001265			
			20A	500V	D0001267			
			25A	500V	D0001268			
			32A	500V	D0004413			

TRUNKING NARROW SLOTTED

Classification	Series Code	Type	Dimmensions WxH	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
 	T1E-40	Narrow Slotted Trunking Grey	25x40	H0011577	R 145.00	R 21.75	R 166.75
			40x40	H0011580	R 198.00	R 29.70	R 227.70
			60x40	H0011549	R 239.00	R 35.85	R 274.85
			100x40	H0011557	R 344.00	R 51.60	R 395.60
	T1E-60	Narrow Slotted Trunking Grey	25x60	H0011578	R 193.00	R 28.95	R 221.95
			40x60	H0011581	R 234.00	R 35.10	R 269.10
			80x60	H0011551	R 351.00	R 52.65	R 403.65
			100x60	H0011552	R 428.00	R 64.20	R 492.20
			120x60	H0011555	R 494.00	R 74.10	R 568.10
	T1E-80	Narrow Slotted Trunking Grey	60x80	H0011585	R 390.00	R 58.50	R 448.50
			80x80	H0011587	R 453.00	R 67.95	R 520.95
			100x80	H0011589	R 517.00	R 77.55	R 594.55
			120x80	H0011553	R 599.00	R 89.85	R 688.85
	T1E-100	Narrow Slotted Trunking Grey	100x100	H0011590	R 596.00	R 89.40	R 685.40

DIN RAIL

Classification	Series Code	Type	Dimensions W x H	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
	TS35	Plain Din Rail	35mm 2m Length	D0007700	R 103.00	R 15.45	R 118.45
		Slotted Din Rail	35mm 2m Length	D0001497	R 114.00	R 17.10	R 131.10
		Mounting Rail End Cap		E0010984	R 14.00	R 2.10	R 16.10

More Mounting rail options and accessories available on request.

CABLE TIES AND ACCESSORIES

Classification	Series Code	Type	Size	Packet Qty	K8 Code	List Price Excl VAT	VAT Amount	List Price Incl VAT
			(mm)					
	E18R	Cable Ties Black per Packet	2.5x98	100	H0011095	R 18.00	R 2.70	R 20.70
	E30R		3.6x140	100	H0011096	R 36.00	R 5.40	R 41.40
	E50R		4.8x200	100	H0011097	R 62.00	R 9.30	R 71.30
	E50I		4.8x290	100	H0011098	R 90.00	R 13.50	R 103.50
	E50L		4.8x390	100	H0011106	R 139.00	R 20.85	R 159.85
	T120S		7.8x300	100	H0011108	R 204.00	R 30.60	R 234.60
	T120R		7.5x365	100	H0011100	R 253.00	R 37.95	R 290.95
	EY3	Self Adhesive Cable Tie Mount, Black	19x19	100	H0011101	R 188.00	R 28.20	R 216.20
	EY8		27x27	100	H0011102	R 237.00	R 35.55	R 272.55
	EY3	Self Adhesive Cable Tie Mount, White	20x19	100	***	R 188.00	R 28.20	R 216.20
	EY8		28x27	100	***	R 237.00	R 35.55	R 272.55

STAR DELTA CONTACTOR AND THERMAL OVERLOAD SELECTION

AC380/415V				AC525/550V			
KW	Delta	Star	Overload	KW	Delta	Star	Overload
5.5KW	2x MC-9B	MC-9B	MT-32 6.5A	5.5KW	2x MC-9B	MC-9B	MT-32 5A
7.5KW	2x MC-9B	MC-9B	MT-32 8.5A	7.5KW	2x MC-9B	MC-9B	MT-32 6.5A
11KW	2x MC-18B	MC-9B	MT-32 15A	11KW	2x MC-12B	MC-9B	MT-32 8.5A
15KW	2x MC-18B	MC-12B	MT-32 19A	15KW	2x MC-18B	MC-9B	MT-32 15A
18.5KW	2x MC-22B	MC-18B	MT-32 21.5A	18.5KW	2x MC-18B	MC-12B	MT-32 19A
22KW	2x MC-32A	MC-18B	MT-32 27A	22KW	2x MC-22B	MC-18B	MT-32 21.5A
30KW	2x MC-40A	MC-22B	MT-32 34A	30KW	2x MC-32A	MC-18B	MT-32 27A
37KW	2x MC-50A	MC-32A	MT-63 42A	37KW	2x MC-32A	MC-22B	MT-32 34A
45KW	2x MC-65A	MC-40A	MT-63 54A	45KW	2x MC-40A	MC-22B	MT-32 34A
55KW	2x MC-65A	MC-40A	MT-63 54A	55KW	2x MC-50A	MC-32A	MT-63 42A
75KW	2x MC-100A	MC-65A	MT-95 90A	75KW	2x MC-65A	MC-40A	MT-63 54A
90KW	2x MC-130A	MC-65A	MT-150 113A	90KW	2x MC-75A	MC-50A	MT-95 74A
110KW	2x MC-130A	MC-75A	MT-150 130A	110KW	2x MC-100A	MC-65A	MT-95 90A
132KW	2x MC-185A	MC-100A	MT-225 150A	132KW	2x MC-130A	MC-65A	MT-150 113A
160KW	2x MC-225A	MC-130A	MT-225 200A	160KW	2x MC-150A	MC-85A	MT-150 130A

The above calculations is based on standard 3-phase 4P motors with electrical interlock, and serves as a guide only.

Delta Contactors x0.58 of FLC
Star Contactor x1/3 of FLC
Overload Relay x0.58 of FLC

STANDARD MOTOR FLC FOR 3-PHASE, 4-POLE MOTORS

Motor Rating		FLC (Amp)		
KW	HP	AC240V	AC415V	AC525V
0.37KW	0.5HP	2.3A	1.0A	0.72A
0.55KW	0.75HP	2.8A	1.5A	1.05A
1.1KW	1.5HP	4.5A	2.5A	1.88A
1.5KW	2.0HP	5.8A	3.3A	2.5A
2.2KW	3.0HP	8.7A	4.6A	3.5A
3.0KW	4.0HP	11A	6.0A	4.6A
4.0KW	5.5HP	14A	8.0A	6.0A
5.5KW	7.5HP	19A	10.6A	6.5A
7.5KW	10HP	25A	15A	11A
11KW	15HP	37A	22A	16A
15KW	20HP	50A	30A	21A
18.5KW	25HP	65A	37A	26A
22KW	30HP	70A	42A	31A
30KW	40HP	91A	60A	42A
37KW	50HP	119A	70A	52A
45KW	60HP	136A	80A	61A
55KW	75HP	166A	100A	75A
75KW	100HP	219A	130A	100A
90KW	125HP	269A	160A	125A
110KW	150HP		195A	152A
132KW	175HP		240A	180A
160KW	220HP		285A	218A
200KW	270HP		353A	270A
220KW	300HP		390A	296A
250KW	350HP		455A	344A

Calculating KW rating AC 3-Phase

$$KW = \frac{1.732 \times PF \times I(A) \times V(L-L)}{1000}$$

Calculating Amp rating AC 3-Phase

$$Amp(I) = \frac{1000 \times P(kW)}{1000}$$

Calculating KVA line to line rating
AC 3-Phase

$$KVA = \frac{\sqrt{3} \times I(A) \times VL-L(V)}{1000}$$

Calculating KVA line to neutral
rating AC 3-Phase

$$KVA = \frac{3 \times I(A) \times VL-N(V)}{1000}$$

PF = Power Factor
I = Amperage
V = Voltage
P = Power (Watt)
L-N = Line to Neutral
L-L = Line to Line



LS SUSOL VACUUM CIRCUIT BREAKER

Available from: 7.2kV up to 40.5kV
400A up to 3150A

The Susol VCB meets your demands for high speed interrupting time (3 cycles). The full line up is available and compact for optimised panel size and maximum compatibility with existing products.

LS SUSOL METAL CLAD SWITCHGEAR

Available from: 7.2kV up to 36kV
630A up to 4000A

As part of the LS Superior Solution Power Series, our metal clad switchgear is designed for general power distribution systems with rated voltage up to 36kV. It is customisable, has enhanced safety features and is IEC compliant.



LS SUSOL RING MAIN UNIT

Available from: 12kV up to 24kV

The Susol Ring Main Unit is a compact and comprehensive solution for secondary power distribution networks up to 24kV, covering numerous applications for miniature substations, wind power plants, industrial factories, residential areas, buildings, mining, airports and underground installations.

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 - 3.2. you are otherwise informed.
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