

Molded Case Circuit Breakers

Page 26

Susol/Metasol series

- 2, 3 and 4 pole series up to 1600AF
- Rated ambient temperature at 40°C calibrated for 50°C available
- CE marked according to IEC standard and UL approved MCCBs are also available.

Earth Leakage Circuit Breakers

Page 34

Metasol series

- 2, 3 and 4 pole series up to 1200AF
- CE marked according to IEC standard



Air Circuit Breakers

Page 36

Susol/Metasol series

- 65, 85 and 150kA breaking capacity
- High functional digital trip relays
- CE marked and Marine classification

LS Final Distribution Boards

Page 48

LS SMDB Solution

Page 52

Vacuum Circuit Breakers

Page 56

Susol series



Contactors & Overload relays

Metasol MC 3P 18 to 150A

MC type Magnetic Contactors



Frame size				18AF				22AF				
Type	Screws clamp terminals			MC-6a	MC-9a	MC-12a	MC-18a	MC-9b	MC-12b	MC-18b	MC-22b	
Number of poles				●	●	●	●	●	●	●	●	
Rated operational voltage, Ue				3pole				3pole				
Rated insulation voltage, Ui				690V				690V				
Rated frequency				690V				690V				
Rated impulse withstand voltage, Uimp				50/60Hz				50/60Hz				
Maximum operating rate in operating cycles per hour(AC3)				6kV				6kV				
Durability				1800 operations per hour				1800 operations per hour				
	Mechanical			15 mil. operations				15 mil. operations				
	Electrical			2.5 mil. operations				2.5 mil. operations				
Current and power	AC-1, Thermal current	A		25	25	25	32	25	25	40	40	
	AC-3 200/240V	kW		2.2	2.5	3.5	4.5	2.5	3.5	4.5	5.5	
		A		9	11	13	18	11	13	18	22	
	380/440V	kW		3	4	5.5	7.5	4	5.5	7.5	11	
		A		7	9	12	18	9	12	18	22	
	500/550V	kW		3	4	7.5	7.5	4	7.5	7.5	15	
		A		6	7	12	13	7	12	13	20	
	690V	kW		3	4	7.5	7.5	4	7.5	7.5	15	
		A		4	5	9	9	6	9	9	18	
		1000V	kW		-	-	-	-	-	-	-	-
	A		-	-	-	-	-	-	-	-	-	
Rated Short-time withstand current (IEC 60947)	1s	A		210	250	280	300	250	280	300	400	
	10s	A		105	110	120	130	110	120	154	186	
	30s	A		70	70	80	85	70	80	100	130	
	1min	A		61	61	61	70	61	61	84	90	
	3min	A		40	45	47	50	45	50	60	60	
	10min	A		30	30	30	40	30	30	40	50	
	≥15min	A		25	26	28	40	26	28	40	45	
UL rating (50/60Hz)	Continuous current	A		25	25	25	32	25	25	40	40	
	Single phase	110~120V	HP	0.5	0.5	0.75	1	0.5	0.75	1	2	
		220~240V	HP	1.5	1.5	2	3	1.5	2	3	3	
		200~208V	HP	2	2	3	5	2	3	5	7.5	
	Three phase	220~240V	HP	3	3	5	7.5	3	5	7.5	10	
		440~480V	HP	5	5	7.5	10	5	7.5	10	15	
		550~600V	HP	7.5	7.5	10	15	7.5	10	15	20	
NEMA size			00	00	0	1	00	0	1			
Size and weight	AC control	Weight	kg	0.33				0.34				
		Size(W×H×D)	mm	45×73.5×80.4				45×73.5×87.4				
	DC control	Weight	kg	0.4				0.41				
		Size(W×H×D)	mm	45×73.5×96.6				45×73.5×103.6				
Auxiliary(standard)				1NO or 1NC				1NO1NC				
Auxiliary	Side mount				UA-1				UA-1			
	Front mount				UA-2, UA-4				UA-2, UA-4			

Note) Minimum conduct current of Auxiliary contactor is DC 17V 5mA.

MT type Thermal Overload Relays



Type	MT-12□	MT-32□
Type	Screws c terminals	
Rated operational voltage, Ue	690V	
Rated insulation voltage, Ui	690V	
Rated impulse withstand voltage, Uimp	6kV	
Trip class	10A, 20	
Setting range	0.1~18A	
Size and weight	Weight	kg
	Size(W×H×D)	mm
	0.1	0.17
	45×73.2×63.7	45×75×90

* The safety cover of magnetic contactor and thermal overload relay is optional.