

Metasol Contactor
MC-400a



General

Product code	1371000200
Product description	MC-400a AC100-240V 50/60Hz, DC100-220V 2a2b (Metasol) EXP (MC400A-30-22-FV-B-E)
Main contact	3NO
Auxiliary contact	2NO 2NC
Control voltage	AC100-240V 50/60Hz, DC100-220V
Type of terminal	Screw
Local/Export	Export
Standards	IEC 60947-4-1, IEC 60947-5-1, UL508
Certificates	CE, UL, CCC
	KR, LR, BV, DNV, ABS, NK, RINA

Characteristics

Number of poles	3P
Rated operational voltage [Ue]	1000V
Rated insulation voltage [Ui]	1000V
Rated withstand voltage [Uimp]	8kV
Rated frequency [Hz]	50/60Hz

Maximum operating rate in operating cycles per hour(AC3)	1200
Mechanical durability (mil. operations)	2.5
Electrical durability (mil. operations)	0.5
Rated operational current (AC-1)	520A
Power (AC-1)	-
	-
	-
	-
Current (AC-1)	-
	-
	-
	-
Motor power (AC-3)	125kW at 200/240V
	200kW at 380/440V
	225kW at 500/550V
	250kW at 690V
	147kW at 1000V
Motor power (AC-4)	75kW at 200/240V
	150kW at 380/440V
Rated operational current (AC-3)	400A at 200/240V
	400A at 380/440V
	350A at 500/550V
	300A at 690V
	105A at 690V
Rated operational current (AC-4)	300A at 200/240V
	300A at 380/440V

Rated operational current (DC-3,5)	-
	-
	-
Rated operational current (DC-1)	-
Type 2 Coordination	See the Type 2 Coordination Table in the catalog
Motor power (UL/CSA)	-
	-
	125hp at 200~208V for 3 phase motors
	150hp at 220~240V for 3 phase motors
	300hp at 440~480V for 3 phase motors
	300hp at 550~600V for 3 phase motors
NEMA size	-
Rated Short-time withstand current	4600A at 1s
	4400A at 10s
	2974A at 30s
	1846A at 1min
	1313A at 3min
	760A at 10min
	699A at =15min
Conductor size (AWG)	350~700
Conductor size (mm2)	185~370
The max. number of conductor	185~370
Conductor type	Stranded
Conductor characteristic	75? Cu stranded wire
Main terminal size	M12
Crimp terminal (mm)	M12
Torque (lb-in)	M12
Torque (Nm)	M12

Torque (kgf.cm)	M12
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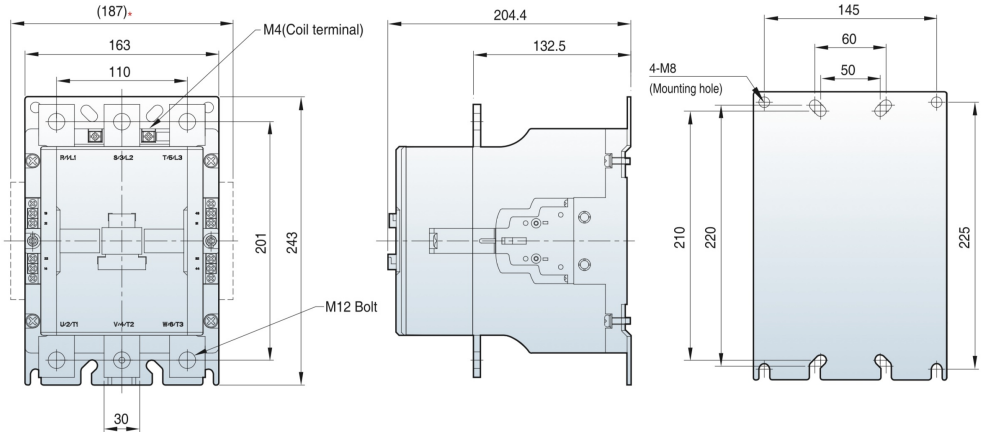
Environment

Degree of protection	IP00
Ambient air temperature	-30? ~ +65? at storage
	-5? ~ +55? at operation (AC type)
Operating altitude	3000m(8900ft)
Shock resistance (1/2 sin wave=11ms)	8G at opened
	10G at closed
Vibration resistance (Conforming to IEC68-2-6) (5~300Hz)	2G at opened
	4G at closed
Flame resistance	V0 at conforming to UL94
	960? at conforming to IEC695-2-1
REACH	Yes
RoHS	Yes
WEEE	Yes

Dimensions

Weight	8.1kg
Size width	163mm / 6.42inch
Size height	243mm / 9.57inch
Size depth	204.4mm / 8.05inch

- MC-265a
- MC-330a
- MC-400a



* Optional auxiliary contact unit (side mount type)

Control coil

Control voltage	AC100-240V 50/60Hz, DC100-220V
Control voltage limit [Uc]	85~110%
Consumption at 20°C	571VA at inrush
Consumption at 20°C	14VA at holding
Heat dissipation	5W at holding
Operating time	55ms at closing
Operating time	55ms at opening

Applicable Accessories

LS[®] ELECTRIC

Accessories

