

Metasol Contactor
MC-185a



General

Product code	1366000200
Product description	MC-185a AC100-240V 50/60Hz, DC100-220V 2a2b (Metasol) EXP (MC185A-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)	5
Electrical durability (mil. operations)	1
Rated operational current (AC-1)	300A
Power (AC-1)	-
	-
	-
	-
Current (AC-1)	-
	-
	-
	-
Motor power (AC-3)	55kW at 200/240V
	90kW at 380/440V
	110kW at 500/550V
	110kW at 690V
	132kW at 1000V
Motor power (AC-4)	37kW at 200/240V
	75kW at 380/440V
Rated operational current (AC-3)	185A at 200/240V
	185A at 380/440V
	180A at 500/550V
	120A at 690V
	90A at 690V
Rated operational current (AC-4)	150A at 200/240V
	150A 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)	15hp at 110~220V for 1 phase motors
	30hp at 220~240V for 1 phase motors
	60hp at 200~208V for 3 phase motors
	60hp at 220~240V for 3 phase motors
	125hp at 440~480V for 3 phase motors
	125hp at 550~600V for 3 phase motors
NEMA size	-
Rated Short-time withstand current	2000A at 1s
	1500A at 10s
	1000A at 30s
	800A at 1min
	520A at 3min
	350A at 10min
	320A at =15min
Conductor size (AWG)	1~4/0
Conductor size (mm2)	50~95
The max. number of conductor	50~95
Conductor type	Stranded
Conductor charateristic	75? Cu stranded wire
Main terminal size	M10
Crimp terminal (mm)	M10
Torque (lb-in)	M10

Torque (Nm)	M10
Torque (kgf.cm)	M10

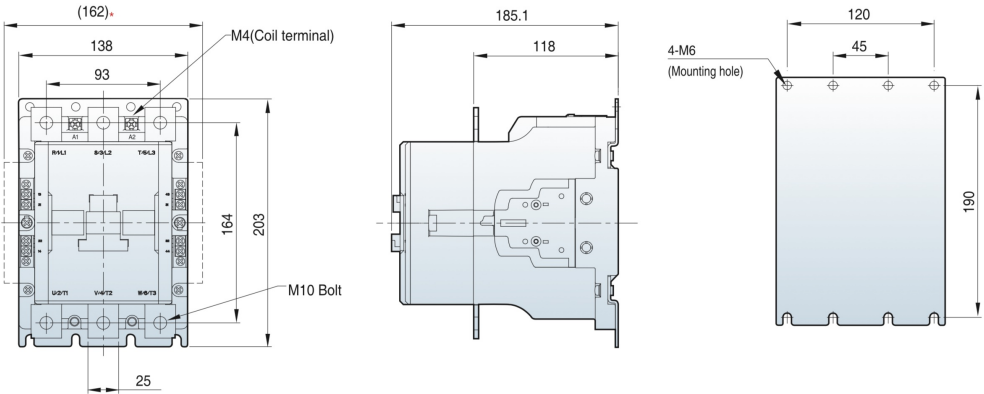
Environment

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	5kg
Size width	138mm / 5.43inch
Size height	203mm / 7.99inch
Size depth	185.1mm / 7.29inch

- MC-185a
- MC-225a



5.4kg

Control coil

Control voltage	AC100-240V 50/60Hz, DC100-220V
Control voltage limit [Uc]	85~110%
Consumption at 20°C	110VA at inrush
Consumption at 20°C	18VA at holding
Heat dissipation	2.7W at holding
Operating time	20~40ms at closing
Operating time	50~70ms at opening

Applicable Accessories

LS[®]ELECTRIC

Accessories

