

Metasol Contactor

MC-130a



General

Product code	1362031500
Product description	MC-130a AC100-240V 50/60Hz, DC100-220V SCREW 1a1b (Metasol) EXP (MC130A-30-11-FV-S-E)
Main contact	3NO
Auxiliary contact	1NO 1NC
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)	200A
Power (AC-1)	-
	-
	-
	-
Current (AC-1)	-
	-
	-
	-
Motor power (AC-3)	37kW at 200/240V
	60kW at 380/440V
	60kW at 500/550V
	55kW at 690V
	75kW at 1000V
Motor power (AC-4)	22kW at 200/240V
	45kW at 380/440V
Rated operational current (AC-3)	130A at 200/240V
	130A at 380/440V
	90A at 500/550V
	60A at 690V
	50A at 690V
Rated operational current (AC-4)	93A at 200/240V
	90A 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)	10hp at 110~220V for 1 phase motors
	20hp at 220~240V for 1 phase motors
	40hp at 200~208V for 3 phase motors
	40hp at 220~240V for 3 phase motors
	75hp at 440~480V for 3 phase motors
	75hp at 550~600V for 3 phase motors
NEMA size	-
Rated Short-time withstand current	1350A at 1s
	950A at 10s
	700A at 30s
	550A at 1min
	350A at 3min
	200A at 10min
	175A at =15min
Conductor size (AWG)	3~00
Conductor size (mm2)	35~70
The max. number of conductor	35~70
Conductor type	Solid, Stranded
Conductor characteristic	65/75? Cu-wire only
Main terminal size	M8
Crimp terminal (mm)	M8
Torque (lb-in)	M8

Torque (Nm)	M8
Torque (kgf.cm)	M8

Environment

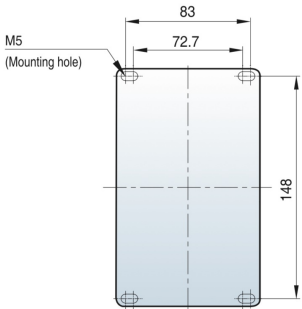
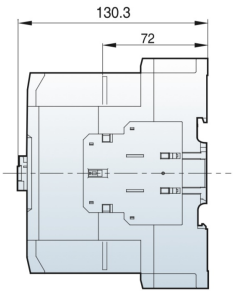
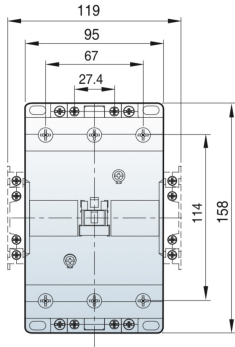
Degree of protection	IP20
Ambient air temperature	-30? ~ +65? at storage
	-5? ~ +55? at operation (AC type)
Operating altitude	3000m(8900ft)
Shock resistance (1/2 sin wave=11ms)	8G at opened
	10G at closed
Vibration resistance (Conforming to IEC68-2-6) (5~300Hz)	2G at opened
	4G at closed
Flame resistance	V0 at conforming to UL94
	960? at conforming to IEC695-2-1
REACH	Yes
RoHS	Yes
WEEE	Yes

Dimensions

Weight	2.4kg
Size width	107mm / 4.21inch
Size height	158mm / 6.22inch
Size depth	130.3mm / 5.13inch

MC-130a

MC-150a



2.4kg

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

