

Metasol Contactor

MC-150a



General

Product code	1364003000
Product description	MC-150a DC24V SCREW 2a2b (Metasol) EXP (MC150A-30-22-BD-S-E)
Main contact	3NO
Auxiliary contact	2NO 2NC
Control voltage	DC24V
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]	-
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)	250A
Power (AC-1)	-
	-
	-
	-
Current (AC-1)	-
	-
	-
	-
Motor power (AC-3)	45kW at 200/240V
	75kW at 380/440V
	70kW at 500/550V
	55kW at 690V
	75kW at 1000V
Motor power (AC-4)	30kW at 200/240V
	55kW at 380/440V
Rated operational current (AC-3)	150A at 200/240V
	150A at 380/440V
	100A at 500/550V
	60A at 690V
	50A at 690V
Rated operational current (AC-4)	120A at 200/240V
	60A at 380/440V
Type 2 Coordination	See the Type 2 Coordination Table in the catalog
	15hp at 110~220V for 1 phase motors
	25hp at 220~240V for 1 phase motors
	40hp at 200~208V for 3 phase motors

Motor power (UL/CSA)	
	50hp at 220~240V for 3 phase motors
	100hp at 440~480V for 3 phase motors
	75hp at 550~600V for 3 phase motors
NEMA size	4
Rated Short-time withstand current	1800A at 1s
	1200A at 10s
	800A at 30s
	600A at 1min
	450A at 3min
	300A at 10min
	280A at =15min
Conductor size (AWG)	3~4/0
Conductor size (mm ²)	35~95
The max. number of conductor	2
Conductor type	Solid, Stranded
Conductor characteristic	65/75 Cu-wire only
Main terminal size	M8
Crimp terminal (mm)	24.5
Torque (lb-in)	80
Torque (Nm)	9.1
Torque (kgf.cm)	93

Environment

Degree of protection	IP20
Ambient air temperature	-30°C ~ +65°C at storage
	-5°C ~ +40°C at operation (DC type)
Operating altitude	3000m(8900ft)
Shock resistance (1/2 sin	8G at opened

wave=11ms)	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°C at conforming to IEC695-2-1
REACH	Yes
RoHS	Yes
WEEE	Yes

Dimensions

Weight	5.29lbs / 2.4kg
Size width	4.69inch / 119mm
Size height	6.22inch / 158mm
Size depth	5.13inch / 130.3mm

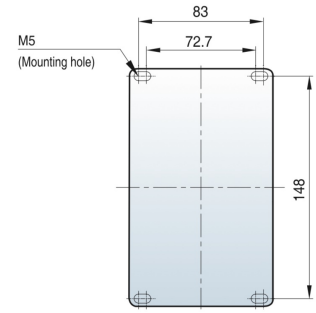
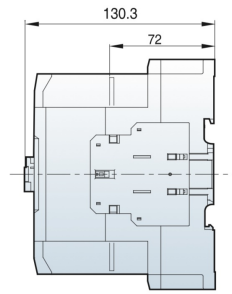
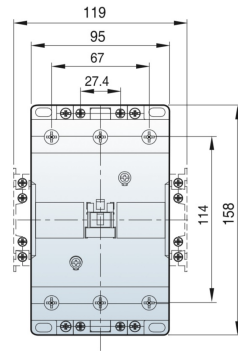
Control coil

Control voltage	DC24V
Control voltage limit [Uc]	85~110%
Consumption at 20°C	213W at inrush
Consumption at 20°C	7.5W at holding
Heat dissipation	-
Operating time	20~40ms at closing
Operating time	50~70ms at opening

Drawing

MC-130a

MC-150a



2.4kg

Applicable Accessories

LS ELECTRIC

Accessories

