Product Data Sheet Characteristics



Metasol Contactor

MC-75a

General

Product code	1382008800
Product description	MC-75a AC200V 50Hz 220V 60Hz LUG 1a1b (Metasol) EXP (MC75A-30-11-LM7-L-E)
Main contact	3NO
Auxiliary contact	1NO 1NC
Control voltage	AC200V 50Hz 220V
Type of terminal	Lug
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]	60Hz
Maximum operating rate in operating cycles per hour(AC3)	1200

Mechanical durability (mil. operations)	12
Electrical durability (mil. operations)	2
Rated operational current (AC-1)	125A
Power (AC-1)	-
	-
	-
	-
Current (AC-1)	-
	-
	-
	-
Motor power (AC-3)	22kW at 200/240V
	37kW at 380/440V
	37kW at 500/550V
	37kW at 690V
	37kW at 1000V
Motor power (AC-4)	13kW at 200/240V
	25kW at 380/440V
Rated operational current (AC-3)	75A at 200/240V
	75A at 380/440V
	64A at 500/550V
	42A at 690V
	28A at 690V
Rated operational current (AC-4)	55A at 200/240V
	52A 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)	5hp at 110~220V for 1 phase motors
	15hp at 220~240V for 1 phase motors
	25hp at 200~208V for 3 phase motors
	30hp at 220~240V for 3 phase motors
	50hp at 440~480V for 3 phase motors
	60hp at 550~600V for 3 phase motors
NEMA size	-
Rated Short-time withstand current	1100A at 1s
	750A at 10s
	400A at 30s
	300A at 1min
	220A at 3min
	140A at 10min
	114A at =15min
Conductor size (AWG)	8~2
Conductor size (mm2)	10~35
The max. number of conductor	10~35
Conductor type	Solid, Stranded
Conductor charateristic	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

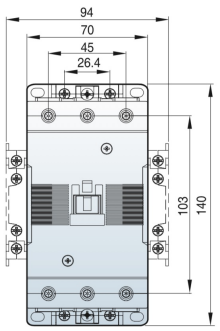
Degree of protection	IP20
Ambient air temperature	-30? ~ +65? at storage
	-5? ~ +55? at operation (AC type)
Operating altitude	3000m(8900ft)
Shock resistance (1/2 sin wave=11ms)	8G at opened
	10G at closed
Vibration resistance (Conforming to IEC68-2-6) (5~300Hz)	2G at opened
	4G at closed
Flame resistance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

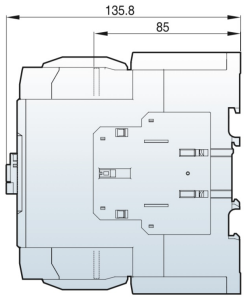
Dimensions

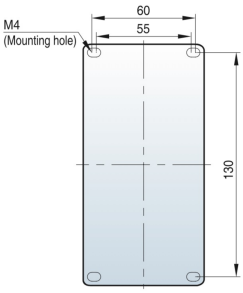
Weight	1.9kg
Size width	94mm / 3.7inch
Size height	140mm / 5.51inch
Size depth	135.8mm / 5.35inch

MC-75a~100a AC

2NO2NC







1.9kg

Control coil

Control voltage	AC200V 50Hz 220V
Control voltage limit [Uc]	85~110%
Consumption at 20℃	240VA at inrush
Consumption at 20℃	17VA at holding

Heat dissipation	5.4W at holding
Operating time	15~30ms at closing
Operating time	10~30ms at opening

Applicable Accessories

Accessories

