

Metasol Contactor
MC-50a/4



General

Product code	1338020100
Product description	MC-50a AC230V 50/60Hz 4P (Metasol) EXP (MC50A-40-00-P7-S-E)
Main contact	4NO
Auxiliary contact	-
Control voltage	AC230V 50/60Hz
Type of terminal	Screw
Local/Export	Export
Standards	IEC 60947-4-1, IEC 60947-5-1, UL508
Certificates	CE, UL, CCC
	-

Characteristics

Number of poles	4P
Rated operational voltage [Ue]	690V
Rated insulation voltage [Ui]	1000V
Rated withstand voltage [Uimp]	8kV
Rated frequency [Hz]	50/60Hz
Maximum operating rate in operating cycles per hour(AC3)	1800

Mechanical durability (mil. operations)	12
Electrical durability (mil. operations)	1
Rated operational current (AC-1)	1
Power (AC-1)	30kW at 200/240V
	56kW at 380/440V
	70kW at 500/550V
	88kW at 690V
Current (AC-1)	80A at 200/240V
	80A at 380/440V
	80A at 500/550V
	80A at 690V
Motor power (AC-3)	-
	-
	-
	-
	-
Motor power (AC-4)	-
	-
Rated operational current (AC-3)	-
	-
	-
	-
	-
Rated operational current (AC-4)	-
	-
Rated operational current (DC-3,5)	-
	-

	-
Rated operational current (DC-1)	-
Type 2 Coordination	-
Motor power (UL/CSA)	3hp at 110~220V for 1 phase motors
	7.5hp at 220~240V for 1 phase motors
	10hp at 200~208V for 3 phase motors
	15hp at 220~240V for 3 phase motors
	30hp at 440~480V for 3 phase motors
	30hp at 550~600V for 3 phase motors
NEMA size	-
Rated Short-time withstand current	-
	-
	-
	-
	-
	-
	-
Conductor size (AWG)	8~4
Conductor size (mm2)	10~25
The max. number of conductor	10~25
Conductor type	Solid, Stranded
Conductor characteristic	65/75? Cu-wire only
Main terminal size	M6
Crimp terminal (mm)	M6
Torque (lb-in)	M6
Torque (Nm)	M6
Torque (kgf.cm)	M6

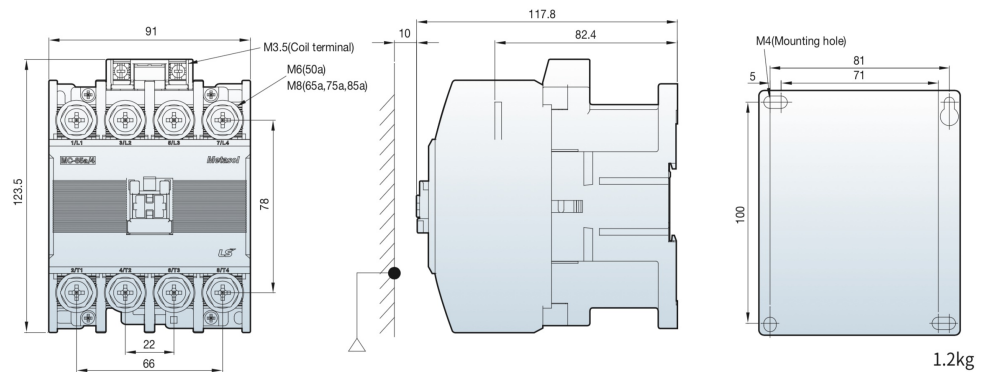
Environment

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	1.2kg
Size width	91mm / 3.58inch
Size height	123.5mm / 4.86inch
Size depth	117.8mm / 4.64inch

MC-50a/4~85a/4 AC



1.2kg

Control coil

Control voltage	AC230V 50/60Hz
Control voltage limit [Uc]	85~110%
Consumption at 20°C	220VA at inrush
Consumption at 20°C	17VA at holding

Heat dissipation	5W at holding
Operating time	16~25ms at closing
Operating time	8~15ms at opening

Applicable Accessories

Metasol MS

Accessories

