

Metasol Contactor
MC-100a/4



General

Product code	1342019200
Product description	MC-100a AC100-240V 50/60Hz, DC100-220V 4P 2a2b (Metasol) EXP (MC100A-40-22-F V-B-E)
Main contact	4NO
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
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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)	1200
Mechanical durability (mil. operations)	5
Electrical durability (mil. operations)	0.8
Rated operational current (AC-1)	0.8
Power (AC-1)	57kW at 200/240V
	106kW at 380/440V
	132kW at 500/550V
	165kW at 690V
Current (AC-1)	200A at 200/240V
	200A at 380/440V
	200A at 500/550V
	200A 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)	7.5hp at 110~220V for 1 phase motors
	15hp at 220~240V for 1 phase motors
	30hp at 200~208V for 3 phase motors
	30hp at 220~240V for 3 phase motors
	60hp at 440~480V for 3 phase motors
	60hp at 550~600V for 3 phase motors
NEMA size	-
Rated Short-time withstand current	-
	-
	-
	-
	-
	-
	-
Conductor size (AWG)	6~00
Conductor size (mm2)	16~70
The max. number of conductor	16~70
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
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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	5.6kg
Size width	175mm / 6.89inch
Size height	203mm / 7.99inch
Size depth	185.2mm / 7.29inch

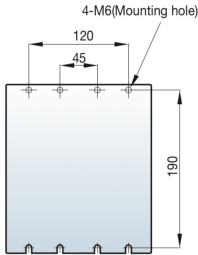
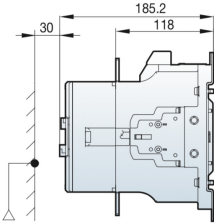
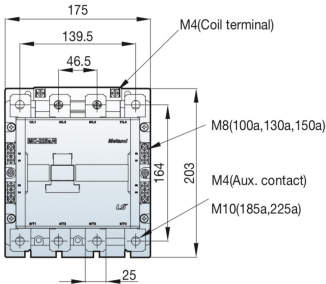
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MC-130a/4

MC-150a/4

MC-185a/4

MC-225a/4



5.6kg

Control coil

Control voltage	AC100-240V 50/60Hz, DC100-220V
Control voltage limit [Uc]	85~110%
Consumption at 20°C	380VA at inrush
Consumption at 20°C	11.6VA at holding
Heat dissipation	4.7W at holding
Operating time	70ms at closing
Operating time	70ms at opening

Applicable Accessories

LS[®] ELECTRIC

Accessories

