

Metasol Contactor
MC-65a



General

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|---------------------|---|
| Product code | 1381006300 |
| Product description | MC-65a AC240V 50/60Hz LUG 1a1b (Metasol) EXP (MC65A-30-11-U7-L-E) |
| Main contact | 3NO |
| Auxiliary contact | 1NO 1NC |
| Control voltage | AC240V 50/60Hz |
| 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

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|--|-------|
| 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 |

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| Mechanical durability (mil. operations) | 12 |
| Electrical durability (mil. operations) | 2 |
| Rated operational current (AC-1) | 115A |
| Power (AC-1) | - |
| | - |
| | - |
| | - |
| Current (AC-1) | - |
| | - |
| | - |
| | - |
| Motor power (AC-3) | 18.5kW at 200/240V |
| | 30kW at 380/440V |
| | 33kW at 500/550V |
| | 33kW at 690V |
| | 30kW at 1000V |
| Motor power (AC-4) | 11kW at 200/240V |
| | 22kW at 380/440V |
| Rated operational current (AC-3) | 65A at 200/240V |
| | 65A at 380/440V |
| | 60A at 500/550V |
| | 35A at 690V |
| | 23A at 690V |
| Rated operational current (AC-4) | 50A at 200/240V |
| | 47A at 380/440V |
| Rated operational current (DC-3,5) | - |
| | - |
| | - |

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| | - |
| 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 | 1050A at 1s |
| | 700A at 10s |
| | 380A at 30s |
| | 270A at 1min |
| | 200A at 3min |
| | 120A at 10min |
| | 96A at =15min |
| Conductor size (AWG) | 8~3 |
| Conductor size (mm2) | 10~35 |
| The max. number of conductor | 10~35 |
| 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 |

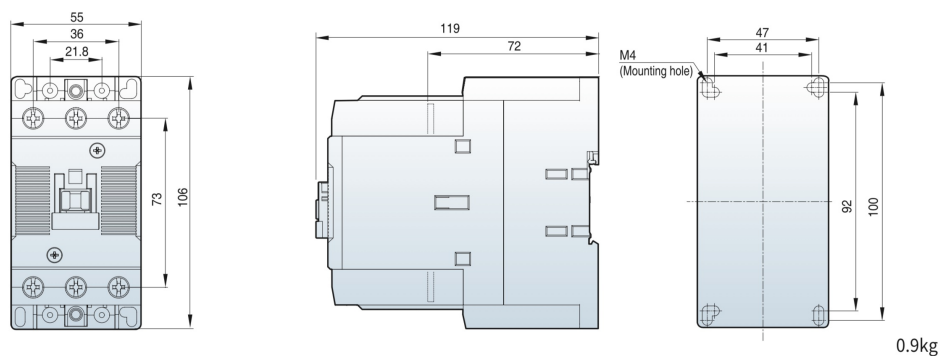
Environment

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|---|-----------------------------------|
| 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 | 1kg |
| Size width | 67mm / 2.64inch |
| Size height | 106mm / 4.17inch |
| Size depth | 119mm / 4.69inch |

MC-50a~65a AC



Control coil

| | |
|----------------------------|-----------------|
| Control voltage | AC240V 50/60Hz |
| Control voltage limit [Uc] | 85~110% |
| Consumption at 20°C | 110VA at inrush |

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|---------------------|--------------------|
| Consumption at 20°C | 13VA at holding |
| Heat dissipation | 2.8W at holding |
| Operating time | 15~30ms at closing |
| Operating time | 4~19ms at opening |

Applicable Accessories

LS[®]ELECTRIC

Accessories

