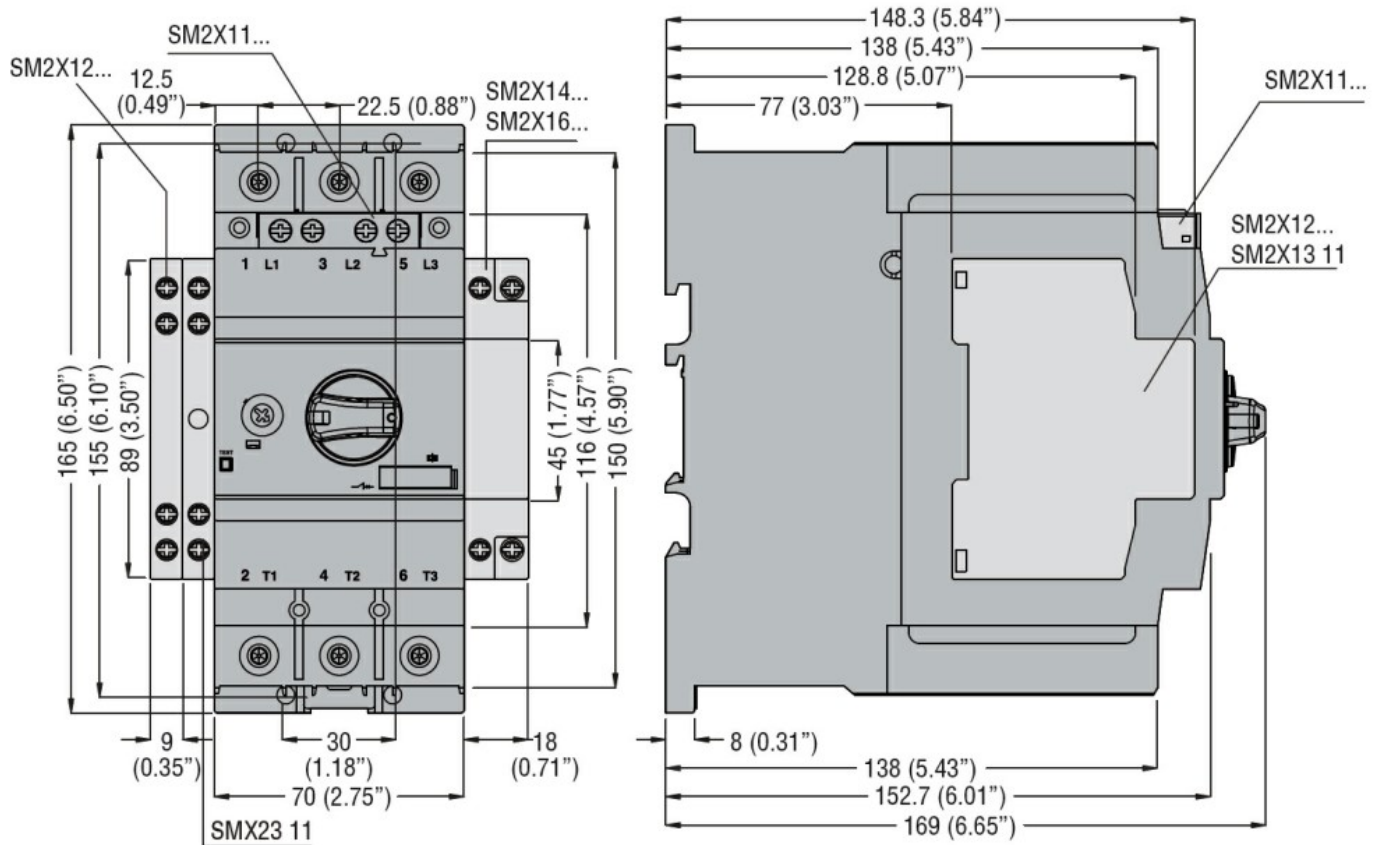




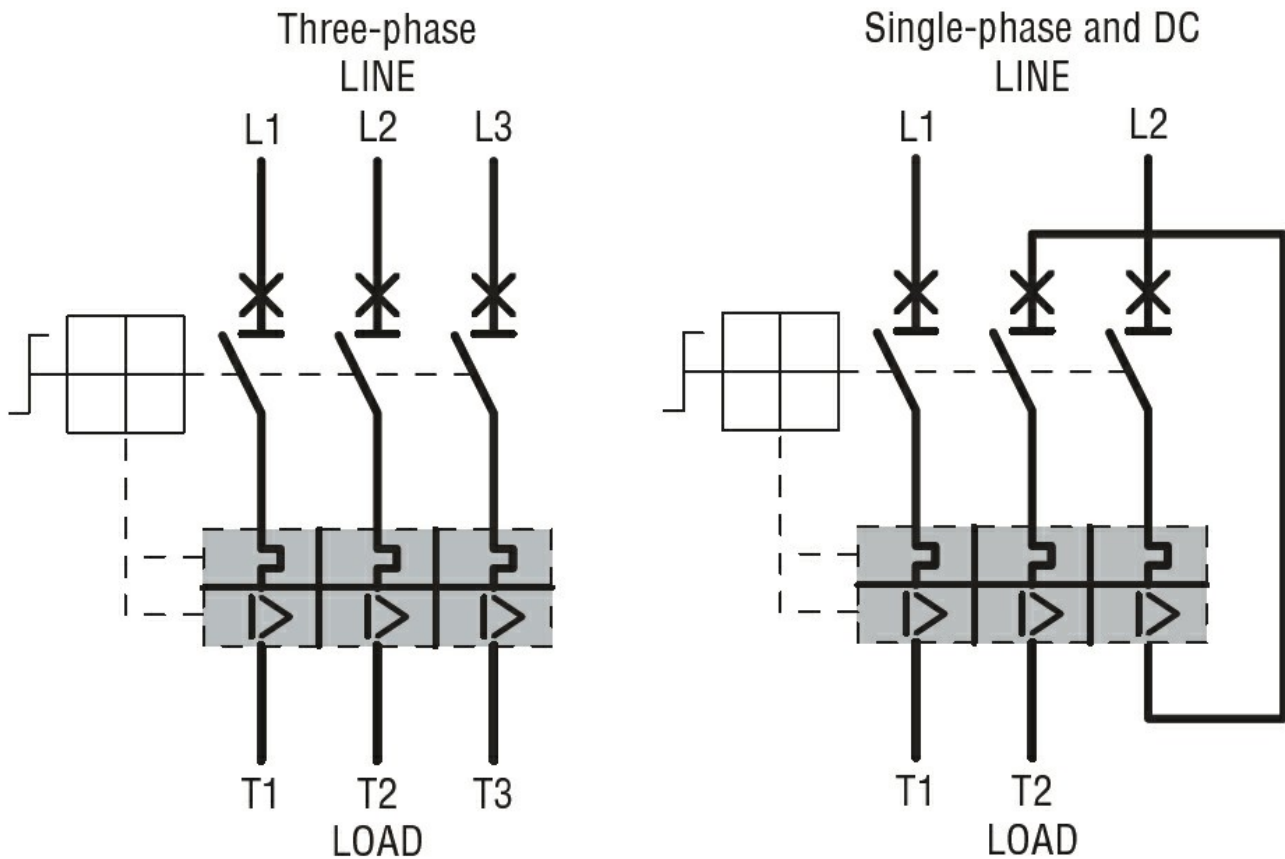
| Electrical features | | | |
|--|------|-----------------|------------|
| Number of poles | Nr. | | 3 |
| Magnetic protection | | | yes |
| Thermal protection | | | yes |
| Phase failure detection | | | yes |
| Rated insulation voltage U_i IEC/EN | V | | 1000 |
| Rated impulse withstand voltage U_{imp} | kV | | 6 |
| Rated frequency | Hz | | 50/60 |
| Thermal trip adjustment range | | | 80...100 |
| Rated current (I_n) | A | | 100 |
| Magnetic tripping | | | 13 x I_n |
| Power dissipation per pole | max | W | 7 |
| Operational short-circuit current breaking capacity (I_{cs}) at AC | | | |
| | 230V | kA | 100 |
| | 400V | kA | 38 |
| | 440V | kA | 30 |
| | 500V | kA | 6 |
| | 690V | kA | 4 |
| Maximum short-circuit current breaking capacity (I_{cu}) at AC | | | |
| | 230V | kA | 100 |
| | 400V | kA | 50 |
| | 440V | kA | 40 |
| | 500V | kA | 8 |
| | 690V | kA | 5 |
| Tripping class | | | 10A |
| IEC Utilization category | | | A |
| Operations | | | |
| Mechanical life | | cycles | 50000 |
| Electrical life | | cycles | 25000 |
| Mechanical features | | | |
| Tightening torque for terminals | | | |
| | min | Nm | 4.5 |
| | max | Nm | 4.5 |
| | min | lbin | 4.4 |
| | max | lbin | 4.4 |
| Max number of wires simultaneously connectable | | Nr. | 2 |
| Conductor section | | | |
| AWG/Kcmil | | | |
| | min | | 12 |
| | max | | 1/0 |
| Flexible c/w lug conductor section | | | |
| | min | mm ² | 10 |
| | max | mm ² | 50 |
| Flexible with insulated spade lug conductor section | | | |

| | | | |
|--|--------------------------|-----------------|--------------------------|
| | min | mm ² | 10 |
| | max | mm ² | 50 |
| Screwdriver | | | Allen 4mm |
| Power terminal protection according to IEC/EN 60529 | | | IP20 |
| Cable stripping length | main circuit | mm | 1 |
| Ambient conditions | | | |
| Temperature | | | |
| | Operating temperature | | |
| | min | °C | -20 |
| | max | °C | +70 |
| | Storage temperature | | |
| | min | °C | -50 |
| | max | °C | +80 |
| | Compensation temperature | | |
| | min | °C | -50 |
| | max | °C | +40 |
| Max altitude | | m | 3000 |
| Operating position | normal allowable | | Vertical plan Any |
| Fixing | | | Screw / DIN rail 35mm |
| Weight | | g | 2200 |
| UL technical data | | | |
| Motor Disconnect | | | |
| | at 480V | kA | 40 |
| | at 600V | kA | 10 |
| | protection | | Fuse or CB |
| Group Motor Installation | | | |
| | at 480V | kA | 40 |
| | at 600V | kA | 10 |
| | protection | | Fuse or CB |
| Tap Conductor Protection | | | |
| | at 480Y/277V | kA | 40 |
| | at 600Y/347V | kA | 10 |
| UL508 / UL 60947-4-1 Manual Self Protected Combination Motor Controller (Type E) Short circuit current | | | |
| | at 240V | kA | 100 |
| | at 480Y/277V | kA | 40 |
| Maximum UL/CSA horsepower ratings single-phase | | | |
| | 110V-120V | HP | 10 |
| | 220V-240V | HP | 20 |
| Maximum UL/CSA horsepower ratings three-phase, 3-pole | | | |
| | 200V-208V | HP | 30 |
| | 220V-240V | HP | 30 |
| | 440V-480V | HP | 75 |
| | 550V-600V | HP | 100 |

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL508

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -
Motor protection
circuit-breaker