



### 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   | 690        |
| Rated impulse withstand voltage $U_{imp}$ | kV  | 6          |
| Rated frequency                           | Hz  | 50/60      |
| Thermal trip adjustment range             |     | 13...18    |
| Rated current ( $I_n$ )                   | A   | 18         |
| Magnetic tripping                         |     | 20 x $I_n$ |
| Power dissipation per pole                | min | W 1.34     |
|                                           | max | W 2.57     |

### Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC

|      |    |     |
|------|----|-----|
| 230V | kA | 100 |
| 400V | kA | 100 |
| 440V | kA | 5   |
| 500V | kA | 5   |
| 690V | kA | 2   |

### Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC

|      |    |     |
|------|----|-----|
| 230V | kA | 100 |
| 400V | kA | 100 |
| 440V | kA | 10  |
| 500V | kA | 10  |
| 690V | kA | 4   |

|                          |  |     |
|--------------------------|--|-----|
| Tripping class           |  | 10A |
| IEC Utilization category |  | A   |

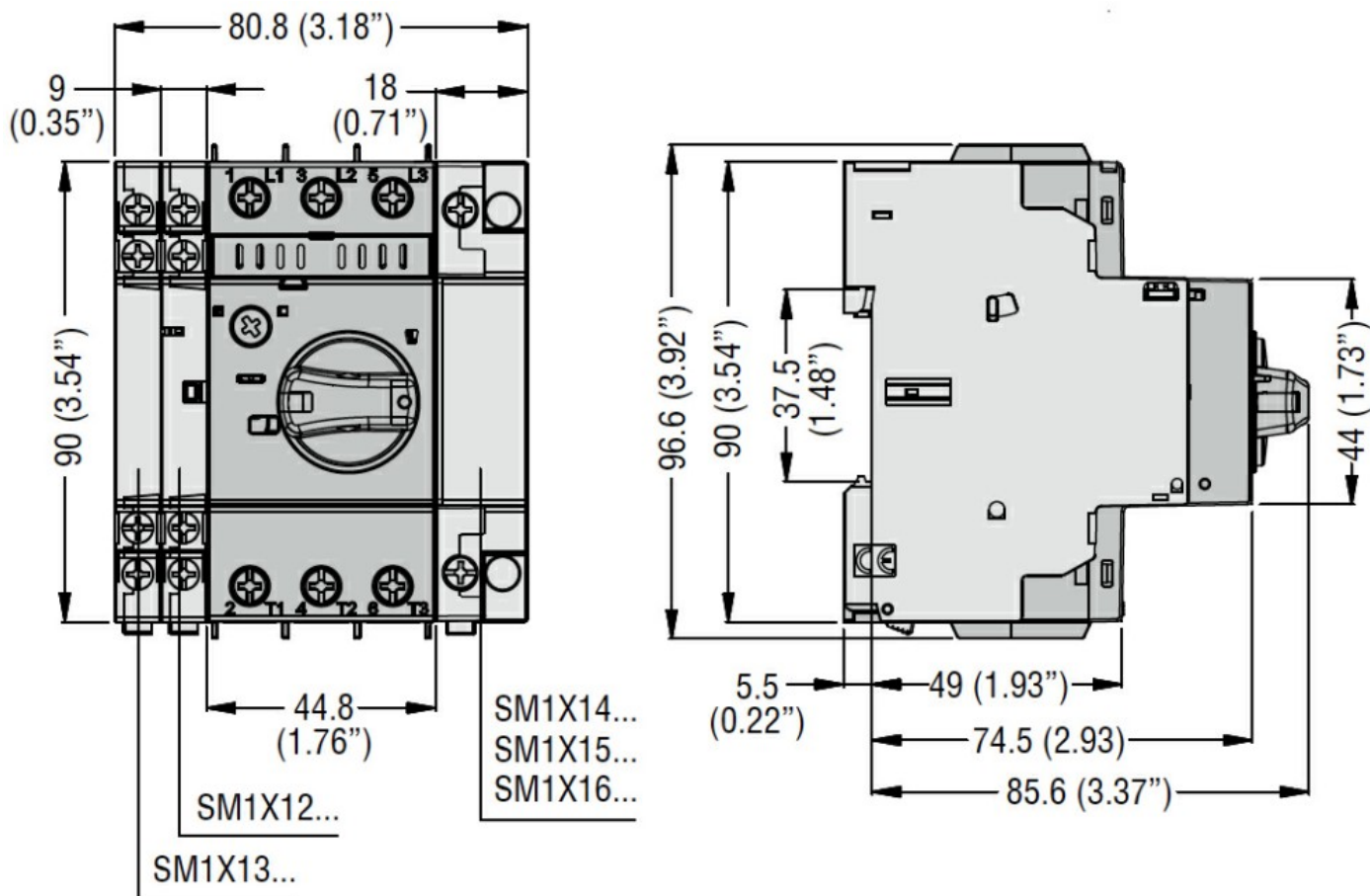
### Operations

|                 |        |        |
|-----------------|--------|--------|
| Mechanical life | cycles | 100000 |
| Electrical life | cycles | 100000 |

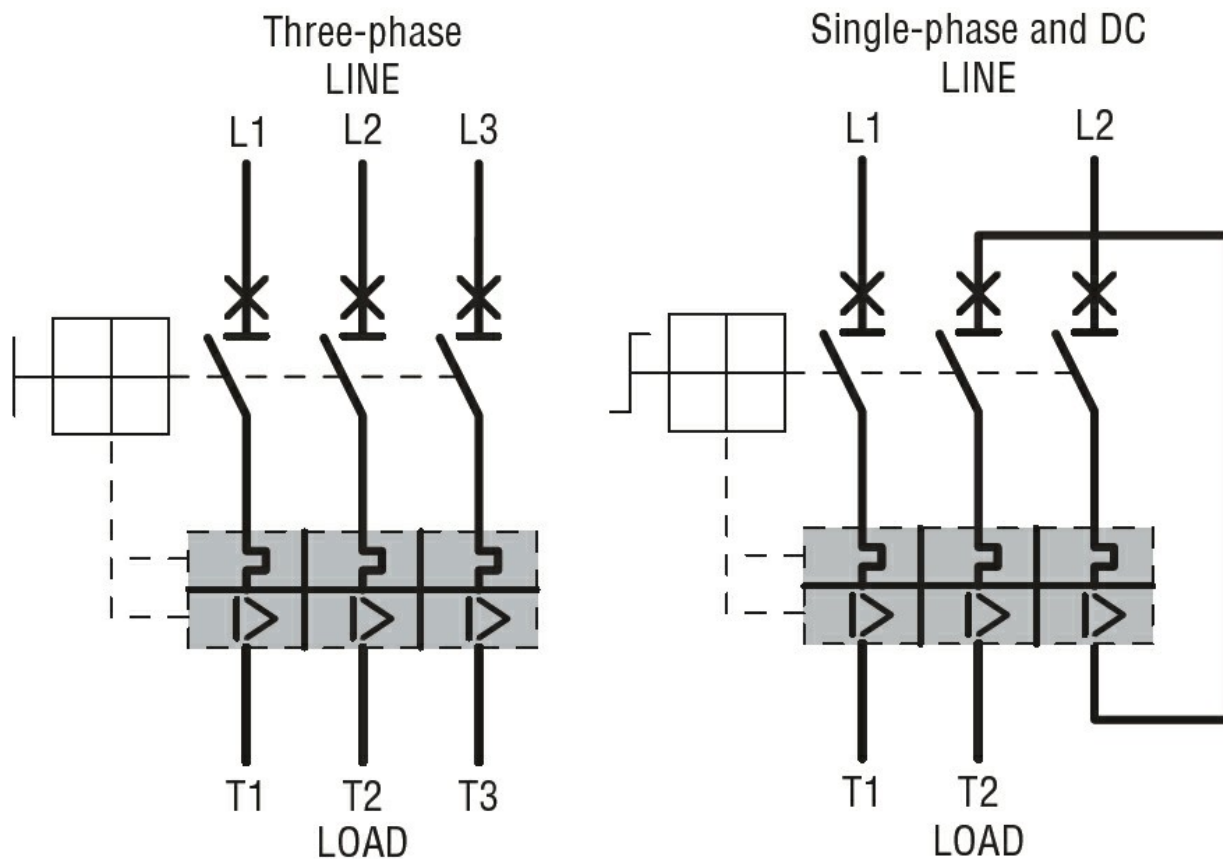
### Mechanical features

|                                                |     |      |      |
|------------------------------------------------|-----|------|------|
| Tightening torque for terminals                |     |      |      |
|                                                | min | Nm   | 2.5  |
|                                                | max | Nm   | 3    |
|                                                | min | lbin | 22   |
|                                                | max | lbin | 26.5 |
| Max number of wires simultaneously connectable |     | Nr.  | 2    |
| Conductor section                              |     |      |      |
| AWG/Kcmil                                      |     |      |      |
|                                                | min |      | 16   |
|                                                | max |      | 8    |
| Flexible w/o lug conductor section             |     |      |      |
|                                                | min | mm²  | 1    |
|                                                | max | mm²  | 10   |

|                                                       |                     |                 |                          |
|-------------------------------------------------------|---------------------|-----------------|--------------------------|
| Flexible c/w lug conductor section                    |                     |                 |                          |
|                                                       | min                 | mm <sup>2</sup> | 1                        |
|                                                       | max                 | mm <sup>2</sup> | 10                       |
| Flexible with insulated spade lug conductor section   |                     |                 |                          |
|                                                       | min                 | mm <sup>2</sup> | 1                        |
|                                                       | max                 | mm <sup>2</sup> | 10                       |
| Screwdriver                                           |                     |                 | PH2                      |
| Power terminal protection according to IEC/EN 60529   |                     |                 | IP20 on front            |
| Cable stripping lenght                                |                     |                 |                          |
|                                                       | main circuit        | mm              | 10                       |
| Ambient conditions                                    |                     |                 |                          |
| Temperature                                           |                     |                 |                          |
| Operating temperature                                 |                     |                 |                          |
|                                                       | min                 | °C              | -20                      |
|                                                       | max                 | °C              | +60                      |
| Storage temperature                                   |                     |                 |                          |
|                                                       | min                 | °C              | -50                      |
|                                                       | max                 | °C              | +80                      |
| Compensation temperature                              |                     |                 |                          |
|                                                       | min                 | °C              | -20                      |
|                                                       | max                 | °C              | +50                      |
| Max altitude                                          |                     | m               | 3000                     |
| Operating position                                    |                     |                 |                          |
|                                                       | normal<br>allowable |                 | Vertical plan<br>Any     |
| Fixing                                                |                     |                 | Screw / DIN rail<br>35mm |
| Weight                                                |                     | g               | 340                      |
| UL technical data                                     |                     |                 |                          |
| Motor Disconnect                                      |                     |                 |                          |
|                                                       | at 240V             | kA              | 30                       |
|                                                       | at 480V             | kA              | 30                       |
|                                                       | protection          |                 | 200A class J             |
| Group Motor Installation                              |                     |                 |                          |
|                                                       | at 480V             | kA              | 30                       |
|                                                       | protection          |                 | 200A class J             |
| Tap Conductor Protection                              |                     |                 |                          |
|                                                       | at 480Y/277V        | kA              | 30                       |
| Maximum UL/CSA horsepower ratings single-phase        |                     |                 |                          |
|                                                       | 110V-120V           | HP              | 1                        |
|                                                       | 220V-240V           | HP              | 3                        |
| Maximum UL/CSA horsepower ratings three-phase, 3-pole |                     |                 |                          |
|                                                       | 200V-208V           | HP              | 5                        |
|                                                       | 220V-240V           | HP              | 5                        |
|                                                       | 440V-480V           | HP              | 10                       |
| Dimensions                                            |                     |                 |                          |



#### Wiring diagrams



#### Certifications and compliance

Certifications

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-2

IEC/EN/BS 60947-4-1

UL 60947-4-1

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -  
Motor protection  
circuit-breaker