



### Electrical features

|                                      |          |
|--------------------------------------|----------|
| Magnetic protection                  | yes      |
| Thermal protection                   | no       |
| Rated insulation voltage Ui IEC/EN   | V 690    |
| Rated impulse withstand voltage Uimp | kV 6     |
| Rated frequency                      | Hz 50/60 |
| Rated current (In)                   | A 4      |
| Magnetic tripping                    | 13 x In  |
| Power dissipation per pole           |          |

|     |   |      |
|-----|---|------|
| min | W | 0.90 |
| max | W | 2.29 |

### Operational short-circuit current breaking capacity (Ics) at AC

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

### Maximum short-circuit current breaking capacity (Icu) at AC

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

### 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 |

### Conductor section

#### AWG/Kcmil

|     |    |
|-----|----|
| min | 16 |
| max | 8  |

#### Flexible w/o lug conductor section

|     |                 |    |
|-----|-----------------|----|
| min | mm <sup>2</sup> | 1  |
| max | mm <sup>2</sup> | 10 |

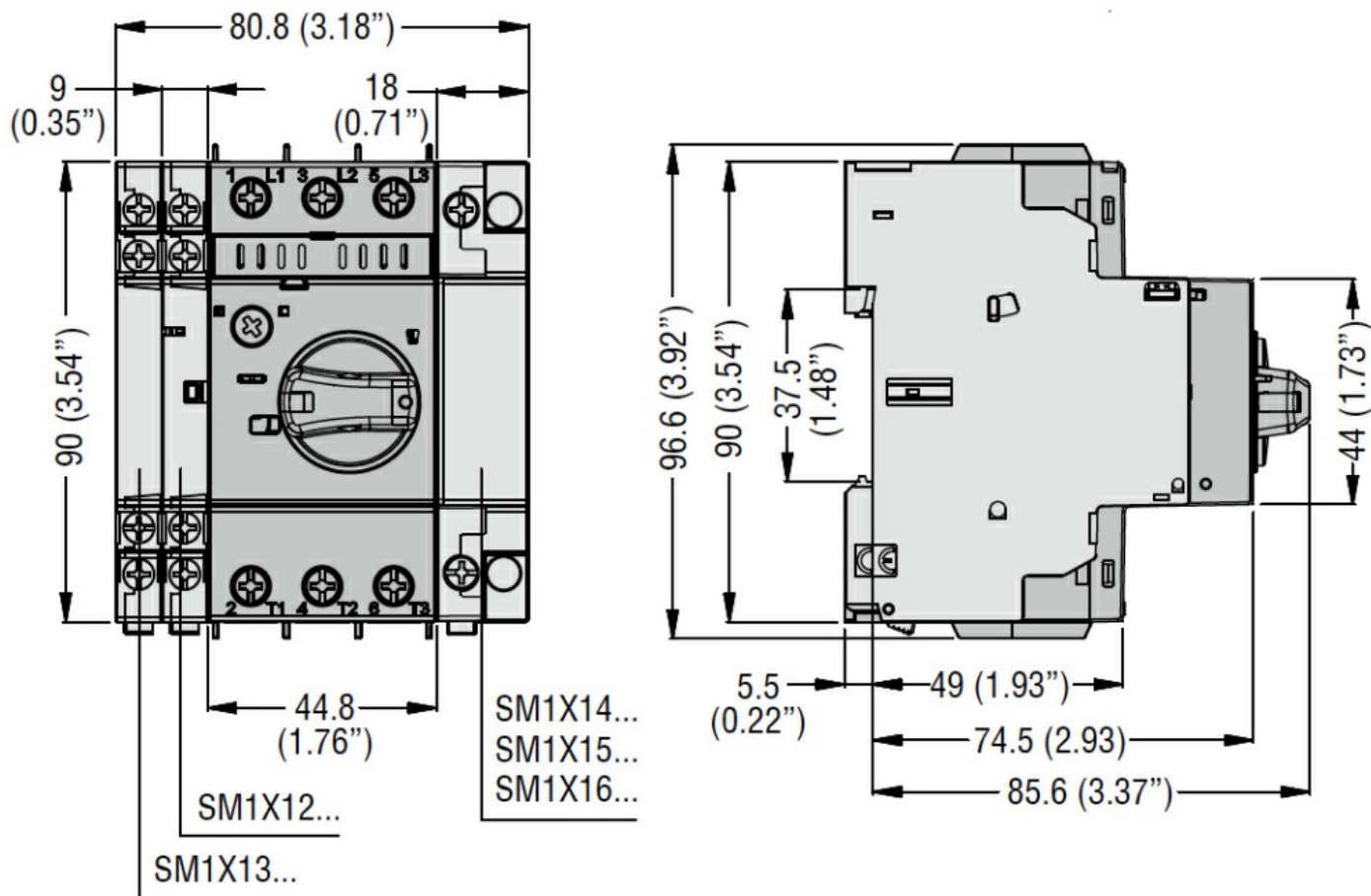
#### Flexible c/w lug conductor section

|     |                 |    |
|-----|-----------------|----|
| min | mm <sup>2</sup> | 1  |
| max | mm <sup>2</sup> | 10 |

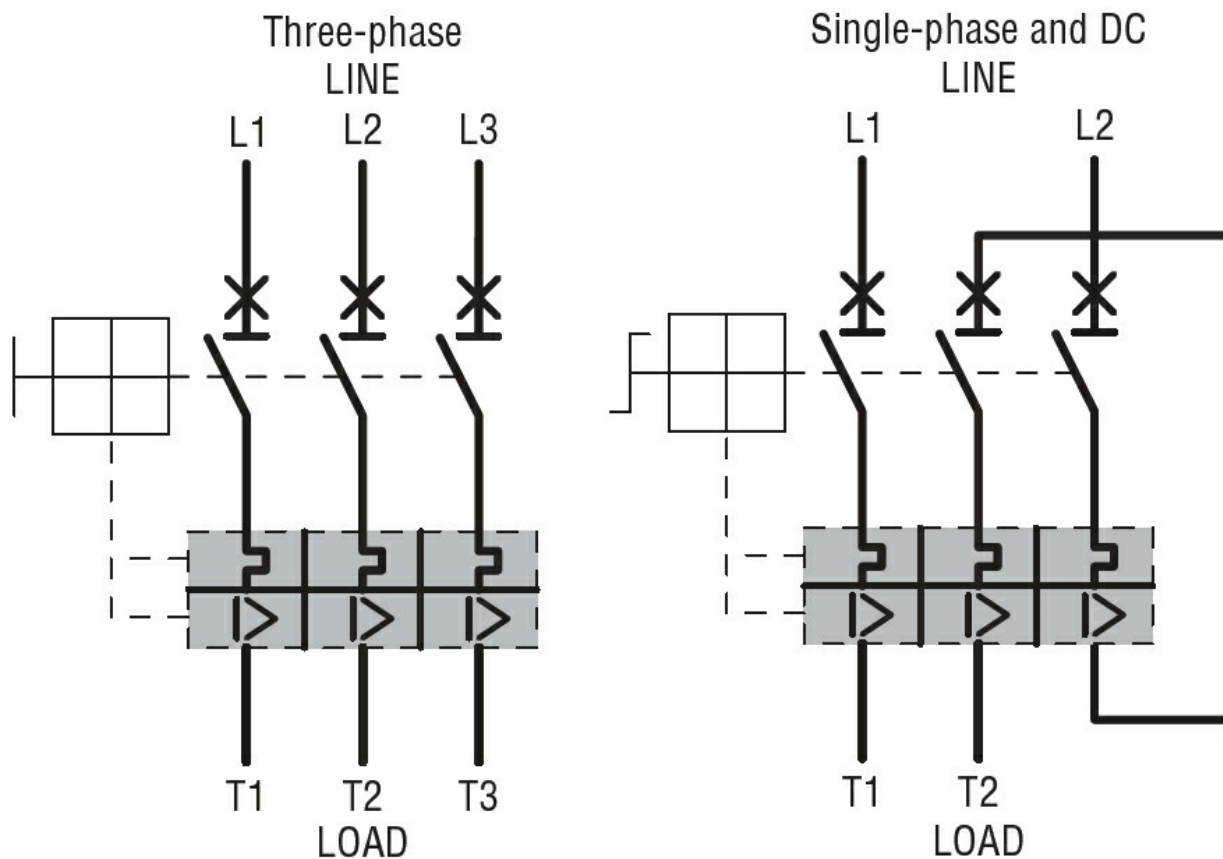
#### Flexible with insulated spade lug conductor section

|     |                 |   |
|-----|-----------------|---|
| min | mm <sup>2</sup> | 1 |
|-----|-----------------|---|

|                           |                          |              |                 |                          |
|---------------------------|--------------------------|--------------|-----------------|--------------------------|
|                           |                          | max          | mm <sup>2</sup> | 10                       |
| Screwdriver               |                          |              |                 | PH2                      |
| Cable stripping lenght    |                          |              |                 |                          |
|                           |                          | main circuit | mm              | 10                       |
| <b>Ambient conditions</b> |                          |              |                 |                          |
| 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        |                          |              |                 |                          |
|                           |                          | allowable    |                 | Any                      |
| Fixing                    |                          |              |                 | Screw / DIN rail<br>35mm |
| Weight                    |                          |              | g               | 390                      |
| <b>UL technical data</b>  |                          |              |                 |                          |
| Motor Disconnect          |                          |              |                 |                          |
|                           |                          | at 240V      | kA              | 65                       |
|                           |                          | at 480V      | kA              | 65                       |
|                           |                          | at 600V      | kA              | 30                       |
|                           |                          | protection   |                 | Fuse or CB               |
| Group Motor Installation  |                          |              |                 |                          |
|                           |                          | at 480V      | kA              | 30                       |
|                           |                          | at 600V      | kA              | 30                       |
|                           |                          | protection   |                 | Fuse or CB               |
| Tap Conductor Protection  |                          |              |                 |                          |
|                           |                          | at 480Y/277V | kA              | 30                       |
|                           |                          | at 600Y/347V | kA              | 30                       |
| <b>Dimensions</b>         |                          |              |                 |                          |



#### Wiring diagrams



#### Certifications and compliance

Certifications

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-2

IEC/EN 60947-4-1

UL60947-4-1

Compliance

cULus

EAC

ETIM classification

ETIM 8.0

EC000074 -  
Motor protection  
circuit-breaker