



**Electrical features**

|   |     |            |
|---|-----|------------|
| Magnetic protection                       |     | yes        |
| Thermal protection                        |     | no         |
| Rated insulation voltage $U_i$ IEC/EN     | V   | 690        |
| Rated impulse withstand voltage $U_{imp}$ | kV  | 6          |
| Rated frequency                           | Hz  | 50/60      |
| Rated current ( $I_n$ )                   | A   | 0.25       |
| Magnetic tripping                         |     | 13 x $I_n$ |
| Power dissipation per pole                | min | W 0.81     |
|   | max | W 1.97     |

|  |      |    |     |
|--|------|----|-----|
| Operational short-circuit current breaking capacity ( $I_{cs}$ ) at AC | 230V | kA | 100 |
|  | 400V | kA | 100 |
|  | 440V | kA | 100 |
|  | 500V | kA | 100 |
|  | 690V | kA | 100 |

|  |      |    |     |
|--|------|----|-----|
| Maximum short-circuit current breaking capacity ( $I_{cu}$ ) at AC | 230V | kA | 100 |
|  | 400V | kA | 100 |
|  | 440V | kA | 100 |
|  | 500V | kA | 100 |
|  | 690V | kA | 100 |

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

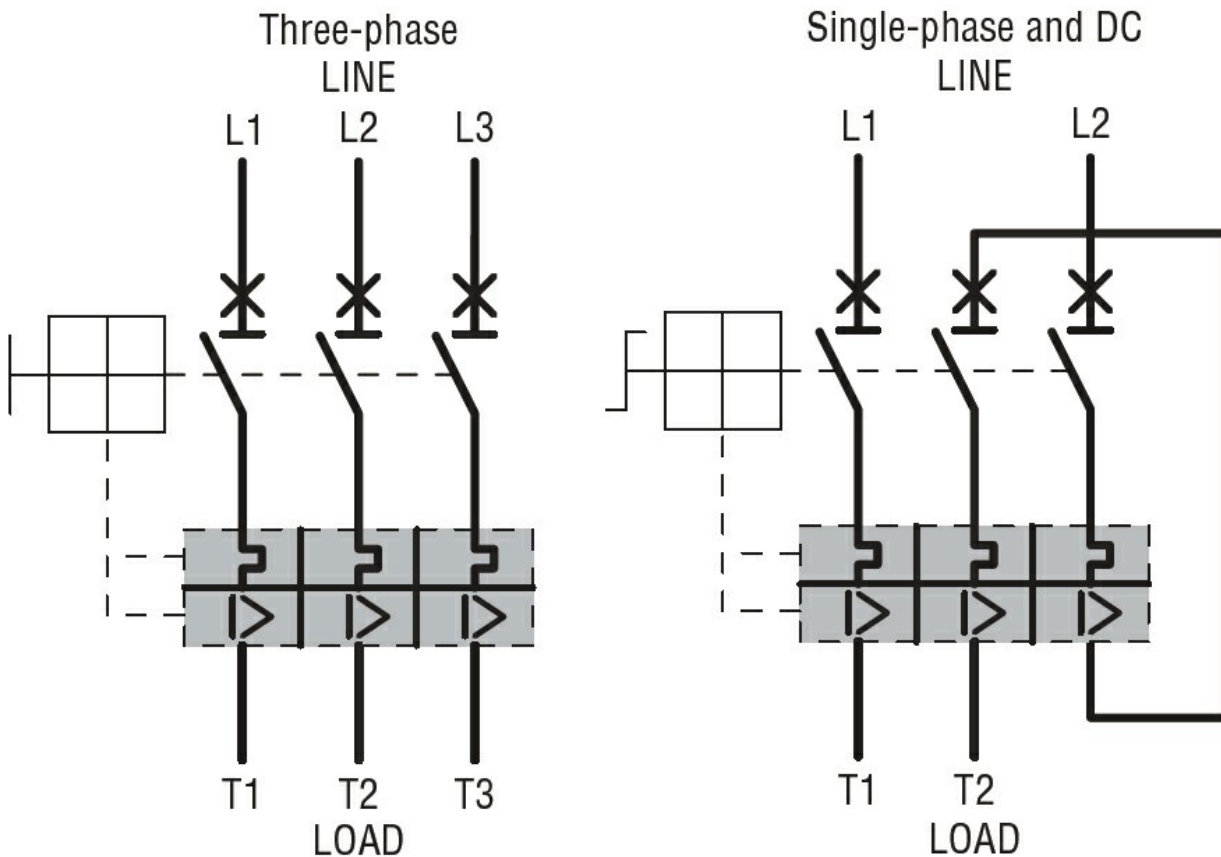
|                                    |     |                 |    |
|------------------------------------|-----|-----------------|----|
| Flexible c/w lug conductor section | min | mm <sup>2</sup> | 1  |
|                                    | max | mm <sup>2</sup> | 10 |

|   |     |                 |   |
|---|-----|-----------------|---|
| Flexible with insulated spade lug conductor section | min | mm <sup>2</sup> | 1 |
|---|-----|-----------------|---|

|                           |                          |              |                 |                          |
|---------------------------|--------------------------|--------------|-----------------|--------------------------|
|                           |                          | max          | mm <sup>2</sup> | 10                       |
| Screwdriver               |                          |              |                 | PH2                      |
| Cable stripping length    |                          | 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               | 320                      |
| <b>UL technical data</b>  |                          |              |                 |                          |
| Motor Disconnect          |                          | at 240V      | kA              | 65                       |
|                           |                          | at 480V      | kA              | 65                       |
|                           |                          | at 600V      | kA              | 50                       |
|                           |                          | protection   |                 | Fuse or CB               |
| Group Motor Installation  |                          | at 480V      | kA              | 50                       |
|                           |                          | at 600V      | kA              | 50                       |
|                           |                          | protection   |                 | Fuse or CB               |
| Tap Conductor Protection  |                          | at 480Y/277V | kA              | 50                       |
|                           |                          | at 600Y/347V | kA              | 50                       |
| <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