



| Product type designation  Electrical features  Number of poles  Magnetic protection  Thermal protection  Phase failure detection  Rated insulation voltage Ui IEC/EN  Rated impulse withstand voltage Uimp  Rated frequency |                | Nr.    | SM1P  3 yes yes |
|---|----------------|--------|-----------------|
| Number of poles  Magnetic protection  Thermal protection  Phase failure detection  Rated insulation voltage Ui IEC/EN  Rated impulse withstand voltage Uimp   |                |        | yes             |
| Magnetic protection Thermal protection Phase failure detection Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp  |                |        | yes             |
| Thermal protection Phase failure detection Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp  |                |        | •               |
| Phase failure detection Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp   |                |        |                 |
| Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp   |                |        | yes             |
| Rated impulse withstand voltage Uimp  |                | V      | 690             |
|   |                | kV     | 6               |
|   |                | Hz     | 50/60           |
| Thermal trip adjustment range   |                | 1 12   | 914             |
| Rated current (In)  |                | A      | 14              |
| Magnetic tripping   |                |        | 13 x ln         |
| Total power dissipation   |                | W      | 2.73            |
| Operational short-circuit current breaking capacity (Ics) at AC   |                | VV     | 2.13            |
| Operational Short-circuit current breaking capacity (ics) at AC   | 230V           | LεΛ    | 100             |
|   | 400V           | kΑ     | 100             |
|   | 400 V<br>440 V | kΑ     | 12.5            |
|   | 500V           | kΑ     | 5               |
|   |                | kΑ     | 5               |
| Maximum about singuit assurant bundling compaits (last) at AC   | 690V           | kA     | 3               |
| Maximum short-circuit current breaking capacity (Icu) at AC   | 0001/          |        | 100             |
|   | 230V           | kA     | 100             |
|   | 400V           | kA     | 25              |
|   | 440V           | kA     | 10              |
|   | 500V           | kA     | 10              |
|   | 690V           | kA     | 3               |
| Breaking capacity short-circuit current (Icn) at DC   | 4=014          |        |                 |
|   | 150V           | kA     | 0               |
|   | 300V           | kA     | 0               |
|   | 450V           | kA     | 0               |
| Tripping class  |                |        | 10A             |
| IEC Utilization category  |                |        | Α               |
| Operations  |                |        |                 |
| Mechanical life   |                | cycles | 100000          |
| Electrical life   |                | cycles | 100000          |
| Mechanical features   |                |        |                 |
| Tightening torque for terminals   | _              |        |                 |
|   | min            | Nm     | 2.5             |
|   | max            | Nm     | 3               |
|   | min            | lbin   | 1.8             |
|   | max            | lbin   | 2.2             |
| Max number of wires simultaneously connectable  Conductor section   |                | Nr.    | 2               |

AWG/Kcmil



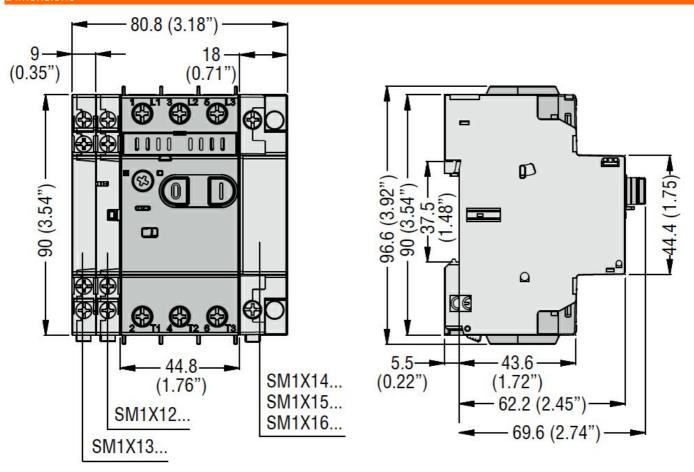
|                          |  | _                |            |                         |
|--------------------------|--|------------------|------------|-------------------------|
|                          |  | min              |            | 16                      |
|                          |  | max              |            | 8                       |
|                          | Flexible w/o lug conductor section                   | min              | mm²        | 1                       |
|                          | Flexible c/w lug conductor section                   | min              | mm²        | 1                       |
|                          | Flexible with insulated spade lug conductor section  | 111111           | 111111     | <u> </u>                |
|                          | r lexible with insulated spade lug conductor section | min              | mm²        | 1                       |
| Screwdriver              |  |                  | 111111     | PH2                     |
|                          | tion according to IEC/EN 60529                       |                  |            | IP20                    |
| Cable stripping lenght   | 1011 400014111g to 120/214 00020                     |                  |            | 11 20                   |
| Cable stripping length   |  | main circuit     | mm         | 1                       |
| Ambient conditions       |  | main on out      |            |                         |
| Temperature              |  |                  |            |                         |
|                          | Operating temperature                                |                  |            |                         |
|                          | oporating temperature                                | min              | °C         | -20                     |
|                          |  | max              | °C         | +60                     |
|                          | Storage temperature                                  | max              |            |                         |
|                          | 2.5. ago tomporataro                                 | min              | °C         | -50                     |
|                          |  | max              | °C         | +80                     |
|                          | Compensation temperature                             | тих              |            |                         |
|                          | Compensation temperature                             | min              | °C         | -20                     |
|                          |  | max              | °C         | +50                     |
| Max altitude             |  | Пих              | m          | 3000                    |
| Operating position       |  |                  |            | 3000                    |
| Operating position       |  | normal           |            | Vertical plan           |
|                          |  | allowable        |            | Vertical plan           |
|                          |  | allowable        |            | Any<br>Screw / DIN rail |
| Fixing                   |  |                  |            | 35mm                    |
| Weight                   |  |                  | g          | 350                     |
| UL technical data        |  |                  |            |                         |
| Motor Disconnect         |  |                  |            |                         |
|                          |  | at 240V          | kA         | 30                      |
|                          |  | at 480V          | kA         | 30                      |
|                          |  | at 600V          | kA         | 30                      |
|                          |  | protection       |            | 100A class J            |
| Group Motor Installation | on   |                  |            |                         |
|                          |  | at 240V          | kA         | 30                      |
|                          |  | at 480V          | kA         | 30                      |
|                          |  | at 600V          | kA         | 30                      |
|                          |  | protection       |            | 100A class J            |
| Tap Conductor Protect    |  |                  |            |                         |
|                          | ;  | at 480Y/277V     | kA         | 50                      |
|                          |  | at 600Y/347V     | kA         | 50                      |
| UL508 / UL 60947-4-1     | Manual Self Protected Combination Motor Controller ( | Type E) Short of | circuit cu | rrent                   |
|                          |  | at 240V          | kA         | 50                      |
|                          | :  | at 480Y/277V     | kA         | 50                      |
|                          | :  | at 600Y/347V     | kA         | 50                      |
| Maximum UL/CSA hor       | sepower ratings single-phase                         |                  |            |                         |
|                          |  | 110V-120V        | HP         | 3/4                     |
|                          |  | 220V-240V        | HP         | 2                       |
| Maximum UL/CSA hor       | sepower ratings three-phase, 3-pole                  |                  |            |                         |
|                          |  | 200V-208V        | HP         | 3                       |
|                          |  |                  |            |                         |



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220V-240V HP 3 440V-480V HP 10

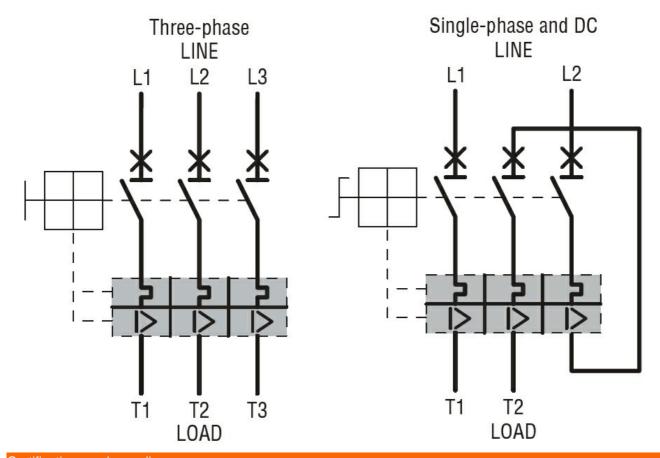
## **Dimensions**



## Wiring diagrams



ENERGY AND AUTOMATION



## 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