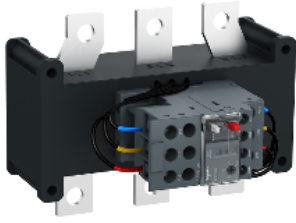


Product datasheet

Specifications



EasyPact TVS differential thermal overload relay 124...198 A - class 10A

LRE483

Main

| | |
|---------------------------|---|
| Range | EasyPact |
| Product name | EasyPact TVS |
| Product or component type | Differential thermal overload relay |
| Device short name | LRE |
| Relay application | Motor protection |
| Phase failure sensitivity | Tripping current 130 % of I_r on two phase, the last one at 0 conforming to IEC 60947-4-1 |

Complementary

| | |
|--|--|
| Product compatibility | LC1E160...630 |
| Network type | AC |
| Network frequency | 50...60 Hz |
| Mounting support | Under contactor Plate |
| Thermal overload class | Class 10A conforming to IEC 60947-4-1 |
| Signalling function | Relay trip indicator |
| Thermal protection adjustment range | 124...198 A |
| Tripping threshold | 1.14 +/- 0.06 I_r conforming to IEC 60947-4-1 |
| Mechanical robustness | Shocks: 6 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 3 GN conforming to IEC 60068-2-6 |
| Auxiliary contact composition | 1 NO + 1 NC |
| [I _{th}] conventional free air thermal current | 5 A for signalling circuit |
| [U _e] rated operational voltage | <= 690 V AC |
| Associated fuse rating | 250 A gG for power circuit 200 A aM for power circuit 5 A gG for signalling circuit |
| [U _i] rated insulation voltage | 690 V conforming to IEC 60947-4-1 |
| [U _{imp}] rated impulse withstand voltage | 6 kV |
| Local signalling | Trip indicator |
| Control type | Push-button red stop: Push-button green reset: |

| | |
|--------------------------------------|---|
| Temperature compensation | -20...60 °C |
| Connection pitch | 40 mm |
| Connections - terminals | Signalling circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible without cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: solid without cable end Power circuit: lugs Power circuit: bars - busbar cross section: 3 x 20 mm |
| Recommended tightening torque | Power circuit: 27.5 N.m - on bars M8 Power circuit: 27.5 N.m - on lugs M8 Signalling circuit: 1.7 N.m - on screw clamp terminals |
| Height | 131 mm |
| Width | 180 mm |
| Depth | 134 mm |
| Product weight | 2.1 kg |

Environment

| | |
|--|---|
| Standards | IEC 60947-4-1 IEC 60947-5-1 |
| Product certifications | EAC |
| Protective treatment | TH conforming to IEC 60068 |
| IP degree of protection | IP00 conforming to IEC 60529 |
| Ambient air temperature for operation | -20...60 °C without derating conforming to IEC 60947-4-1 -20...70 °C with derating |
| Ambient air temperature for storage | -60...80 °C |
| Fire resistance | 850 °C conforming to IEC 60068-2-1 |
| Dielectric strength | 6 kV at 50 Hz conforming to IEC 60255-5 |
| Electromagnetic compatibility | Surge withstand: 6 kV conforming to IEC 60801-5 |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 16.5 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 27.2 cm |
| Package 1 Weight | 2.79 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 2 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 6.058 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 8 |
| Package 3 Height | 77.0 cm |
| Package 3 Width | 80.0 cm |
| Package 3 Length | 60.0 cm |
| Package 3 Weight | 26.632 kg |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Recommended replacement(s)