



Price\*\* : 64.81 USD



### Main

|                                     |                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------|
| Range                               | TeSys                                                                                  |
| Product name                        | TeSys LRD                                                                              |
| Device short name                   | LR9D                                                                                   |
| Product or component type           | Electronic thermal overload relay                                                      |
| Relay application                   | Motor protection                                                                       |
| Product compatibility               | LC1D12<br>LC1D32<br>LC1D38<br>LC1D09<br>LC1D25<br>LC1D18                               |
| Thermal overload class              | Class 5...30                                                                           |
| Thermal protection adjustment range | 1.6...8 A                                                                              |
| Maximum power consumption in W      | 300 mW                                                                                 |
| Mounting support                    | Under contactor<br>Plate, with specific accessories<br>Rail, with specific accessories |

### Complementary

|                                |                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ue] rated operational voltage | 690 V power circuit<br>660 V signalling circuit                                                                                                             |
| [Ui] rated insulation voltage  | Power circuit 1000 V<br>Signalling circuit 690 V                                                                                                            |
| Tripping threshold             | 1.25 In IEC 60947-4-1                                                                                                                                       |
| Control type                   | Red push-button stop and manual reset<br>White 2 microswitches adjustable trip class<br>Red knob automatic reset<br>White dial full-load current adjustment |
| Time range                     | 1.5...4 min - automatic reset time                                                                                                                          |

|                                             |                                                                                                                                                                                                                                                     |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ith] conventional free air thermal current | 5 A signalling circuit                                                                                                                                                                                                                              |
| Associated fuse rating                      | 5 A gG signalling circuit<br>5 A BS signalling circuit                                                                                                                                                                                              |
| [Uimp] rated impulse withstand voltage      | 6 kV                                                                                                                                                                                                                                                |
| Phase failure sensitivity                   | Phase difference > 40% 3 s IEC 60947-4-1                                                                                                                                                                                                            |
| Electromagnetic compatibility               | Surge withstand 2 kV common mode IEC 61000-4-5<br>Resistance to electrostatic discharge 8 kV IEC 61000-4-2<br>Immunity to radiated radio-electrical interference 10 V/m IEC 61000-4-3<br>Immunity to fast transients 2 kV IEC 61000-4-4             |
| Connections - terminals                     | Control circuit screw clamp terminals 1 0.00 in <sup>2</sup> (2.5 mm <sup>2</sup> ) solid or flexible - without cable end<br>Power circuit screw clamp terminals 1 0.02 in <sup>2</sup> (16 mm <sup>2</sup> ) solid or flexible - without cable end |
| Tightening torque                           | Control circuit 0.8 N.m screw clamp terminals<br>Power circuit 3.1 N.m screw clamp terminals                                                                                                                                                        |
| Height                                      | 2.85 in (72.5 mm)                                                                                                                                                                                                                                   |
| Width                                       | 1.77 in (45 mm)                                                                                                                                                                                                                                     |
| Depth                                       | 3.15 in (79.9 mm)                                                                                                                                                                                                                                   |
| Net weight                                  | 0.40 lb(US) (0.18 kg)                                                                                                                                                                                                                               |

## Environment

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Standards                             | UL 60947-4-1<br>IEC 60947-4-1<br>GB 14048.4<br>CSA C22.2                    |
| Product certifications                | TÜV<br>CSA<br>CULus<br>CCC                                                  |
| IP degree of protection               | IP20 front face IEC 60529<br>IP20 front face VDE 0106                       |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) IEC 60255-8                                      |
| Ambient air temperature for storage   | -67...176 °F (-55...80 °C)                                                  |
| Operating altitude                    | 6561.68 ft (2000 m) without derating                                        |
| Mechanical robustness                 | Vibrations 10...150 Hz6 Gn IEC 60068-2-6<br>Shocks 11 ms15 gn IEC 60068-2-7 |
| Dielectric strength                   | 6 kV 50 Hz IEC 60255-5                                                      |

## Ordering and shipping details

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Category            | 22348 - LR9D ELECTRONIC OVERLOAD RELAY 0.1-110A |
| Discount Schedule   | I12                                             |
| GTIN                | 00785901264873                                  |
| Package weight(Lbs) | 0.21 kg (0.46 lb(US))                           |
| Returnability       | Yes                                             |
| Country of origin   | CN                                              |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                         |
| California proposition 65  | WARNING: This product can expose you to chemicals including: DINP and DIDP which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                             |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                                              |
| Toxic heavy metal free     | Yes                                                                                                                                                                                                                                                           |
| Mercury free               | Yes                                                                                                                                                                                                                                                           |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                           |

|                          |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| China RoHS Regulation    | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                  |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                                |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                      |
| WEEE                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |