### LR3D02
TeSys LRD thermal overload relays - 0.16...0.25 A - class 10A

has not been replaced. Please contact your customer care center for more information.

### Main
- **Range**: TeSys
- **Product name**: TeSys LRD
- **Product or component type**: Non differential thermal overload relay
- **Device short name**: LR3D
- **Relay application**: Motor protection
- **Product compatibility**: LC1D18, LC1D38, LC1D32, LC1D12, LC1D09, LC1D25
- **Network type**: DC, AC
- **Thermal protection adjustment range**: 0.16...0.25 A
- **[Ui] rated insulation voltage**: Power circuit: 600 V conforming to CSA, Power circuit: 600 V conforming to UL, Power circuit: 690 V conforming to IEC 60947-4-1

### Complementary
- **Network frequency**: 0...400 Hz
- **Mounting support**: Plate, with specific accessories, Rail, with specific accessories, Under contactor
- **Tripping threshold**: 1.14 +/- 0.06 Ir conforming to IEC 60947-4-1
- **[Ith] conventional free air thermal current**: 5 A for signalling circuit
- **Permissible current**: 3 A at 120 V AC-15 for signalling circuit, 0.22 A at 125 V DC-13 for signalling circuit
- **[Ue] rated operational voltage**: 690 V AC 0...400 Hz
- **[Uimp] rated impulse withstand voltage**: 6 kV
- **Phase failure sensitivity**: Tripping current 130 % of Ir on two phase, the last one at 0

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Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
| Control type | Red push-button: stop  
Blue push-button: reset |
| Temperature compensation | -20…60 °C |
| Connections - terminals | Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² flexible without cable end  
Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² flexible with cable end  
Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² solid without cable end  
Power circuit: screw clamp terminals 1 cable(s) 1.5…10 mm² flexible without cable end  
Power circuit: screw clamp terminals 1 cable(s) 1…4 mm² flexible with cable end  
Power circuit: screw clamp terminals 1 cable(s) 1…6 mm² solid without cable end |
| Tightening torque | Control circuit: 1.7 N.m - on screw clamp terminals  
Power circuit: 1.7 N.m - on screw clamp terminals |
| Width | 45 mm |
| Depth | 70 mm |
| Net weight | 0.124 kg |

**Environment**

| Protective treatment | TH conforming to IEC 60068 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Ambient air temperature for operation | -20…60 °C without derating conforming to IEC 60947-4-1 |
| Ambient air temperature for storage | -60…70 °C |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Vibrations: 6 Gn conforming to IEC 60068-2-6  
Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 |
| Dielectric strength | 6 kV at 50 Hz conforming to IEC 60255-5 |
| Standards | EN 60947-5-1  
UL 508  
IEC 60947-4-1  
IEC 60947-5-1  
CSA C22.2 No 14  
EN 60947-4-1  
ATEX D 94/9/CE |
| Product certifications | RINA  
LROS (Lloyds register of shipping)  
GOST  
CCC  
CSA  
GL  
UL  
DNV  
ATEX INERIS  
BV |

**Offer Sustainability**

| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| EU RoHS Directive | Compliant  
EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration  
Product out of China RoHS scope. Substance declaration for your information |
| 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 |