

# Product data sheet

Specifications



## Differential thermal overload relays, TeSys K, 0.8 to 1.2 A, class 10A

LR2K0306

Product availability : Stock - Normally stocked in distribution facility

Price\* : 59.00 USD

### Main

|                                     |   |
|-------------------------------------|---|
| Range                               | TeSys   |
| Product name                        | TeSys LRK   |
| Product or Component Type           | Differential thermal overload relay   |
| Device short name                   | LR2K  |
| Relay application                   | Motor protection  |
| Product Compatibility               | LC1K<br>LC7K<br>LP4K<br>LP1K  |
| Network type                        | AC<br>DC  |
| Thermal overload class              | Class 10A IEC 60947-4-1   |
| Thermal protection adjustment range | 0.8...1.2 A   |
| [Ui] rated insulation voltage       | Power circuit 690 V BS 4941<br>Power circuit 690 V IEC 60947<br>Power circuit 750 V VDE 0110 group C<br>Power circuit 600 V CSA C22.2 No 14 |

### Complementary

|   |  |
|---|--|
| Network Frequency                           | <= 400 Hz  |
| Mounting support                            | Under contactor<br>Plate, with specific accessories<br>Rail, with specific accessories           |
| Auxiliary contact composition               | 1 NO + 1 NC  |
| [Ith] conventional free air thermal current | 6 A signalling circuit   |
| [Ue] rated operational voltage              | <= 690 V power circuit<br>690 V AC AC-15 signalling circuit<br>250 V DC DC-13 signalling circuit |
| Associated fuse rating                      | 6 A gG signalling circuit VDE 0660<br>6 A gG signalling circuit IEC 60947                        |
| [Uimp] rated impulse withstand voltage      | 6 kV   |
| Power dissipation per pole                  | 2 W  |
| Phase failure sensitivity                   | Yes IEC 60947-4-1  |

\* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|                         |  |
|-------------------------|--|
| Local signalling        | Trip indicator Yellow)   |
| Control type            | Red push-button trip test function<br>Blue push-button stop and manual reset<br>selector switch manual or automatic reset  |
| Connections - terminals | screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid<br>screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid<br>screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible without cable end<br>screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible without cable end<br>screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.34...2.5 mm <sup>2</sup> )flexible with cable end<br>screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> )flexible with cable end |
| Tightening torque       | 11.51 lbf.in (1.3 N.m) screw clamp terminals Philips No 2<br>11.51 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm<br>11.51 lbf.in (1.3 N.m) screw clamp terminals pozidriv No 2  |
| Height                  | 2.28 in (58 mm)  |
| Width                   | 1.77 in (45 mm)  |
| Depth                   | 2.56 in (65 mm)  |
| Net Weight              | 0.32 lb(US) (0.145 kg)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | NF C 63-650<br>IEC 60947<br>BS 4941<br>VDE 0660  |
| Product Certifications                | UL<br>CSA<br>UKCA  |
| Protective treatment                  | TC IEC 60068<br>TC DIN 50016   |
| IP degree of protection               | IP2X conforming to IEC 60529   |
| Ambient air temperature for operation | -4...131 °F (-20...55 °C) without derating IEC 60947<br>-22...140 °F (-30...60 °C) with derating IEC 60947   |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)   |
| Operating altitude                    | 6561.68 ft (2000 m) without derating   |
| Fire resistance                       | 1562 °F (850 °C) IEC 60695-2-1   |
| Flame retardance                      | V1 conforming to UL 94<br>Requirement 2 conforming to NF F 16-101<br>Requirement 2 conforming to NF F 16-102   |
| Mechanical robustness                 | Shocks NO contact10 Gn for 11 ms IEC 60068-2-27<br>Shocks NC contact10 Gn for 11 ms IEC 60068-2-27<br>Vibrations NO contact2 Gn, 5...300 Hz IEC 60068-2-6<br>Vibrations NC contact2 Gn, 5...300 Hz IEC 60068-2-6 |

## Ordering and shipping details

|                   |                                  |
|-------------------|----------------------------------|
| Category          | 22324-CONTACTOR,K-LINE,OVERLOADS |
| Discount Schedule | I12                              |
| GTIN              | 3389110230420                    |
| Returnability     | Yes                              |
| Country of origin | CZ                               |

## Packing Units

|                              |                    |
|------------------------------|--------------------|
| Unit Type of Package 1       | PCE                |
| Number of Units in Package 1 | 1                  |
| Package 1 Height             | 2.83 in (7.200 cm) |
| Package 1 Width              | 1.89 in (4.800 cm) |
| Package 1 Length             | 3.35 in (8.500 cm) |

|                              |                         |
|------------------------------|-------------------------|
| Package 1 Weight             | 5.47 oz (155.000 g)     |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 41                      |
| Package 2 Height             | 5.91 in (15.000 cm)     |
| Package 2 Width              | 11.81 in (30.000 cm)    |
| Package 2 Length             | 15.75 in (40.000 cm)    |
| Package 2 Weight             | 14.94 lb(US) (6.775 kg) |

### Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.  |
| RoHS exemption information | <a href="#">Yes</a>   |
| 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.  |

### Contractual warranty

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

### Recommended replacement(s)