



### 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               | LC7K<br>LP4K<br>LC1K<br>LP1K                                                                                                                |
| Network type                        | AC<br>DC                                                                                                                                    |
| Thermal overload class              | Class 10A IEC 60947-4-1                                                                                                                     |
| Thermal protection adjustment range | 10...14 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 for signalling circuit conforming to VDE 0660<br>6 A gG for signalling circuit conforming to IEC 60947                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage      | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power dissipation per pole                  | 2 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Phase failure sensitivity                   | Yes IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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                             | IEC 60947<br>BS 4941<br>VDE 0660<br>NF C 63-650                                                                                                                                                                  |
| Product Certifications                | UL[RETURN]CSA[RETURN]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              | 3389110705881                    |
| Returnability     | Yes                              |
| Country of origin | CZ                               |

## Packing Units

|                              |                            |
|------------------------------|----------------------------|
| Unit Type of Package 1       | PCE                        |
| Number of Units in Package 1 | 1                          |
| Package 1 Height             | 1.97 in (5.000 cm)         |
| Package 1 Width              | 2.76 in (7.000 cm)         |
| Package 1 Length             | 3.35 in (8.500 cm)         |
| Package 1 Weight             | 5.71 oz (162.000 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             | 15.37 lb(US) (6.972 kg)    |
| Unit Type of Package 3       | P06                        |
| Number of Units in Package 3 | 656                        |
| Package 3 Height             | 29.53 in (75.000 cm)       |
| Package 3 Width              | 31.50 in (80.000 cm)       |
| Package 3 Length             | 23.62 in (60.000 cm)       |
| Package 3 Weight             | 263.57 lb(US) (119.552 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 with Exemptions                                                                                                                                                                                                                                 |
| Mercury free              | Yes                                                                                                                                                                                                                                                       |

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| 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 |
|----------|-----------|