

# Product data sheet

Specifications



## Non differential thermal overload relays, TeSys K, 12 to 16A, class 10A

LR7K0322

⚠ Discontinued on: Oct 8, 2021

⚠ Discontinued

### Main

|                                     |                                                                                                                                             |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Range                               | TeSys                                                                                                                                       |
| Product name                        | TeSys LRK                                                                                                                                   |
| Product or Component Type           | Non differential thermal overload relay                                                                                                     |
| Device short name                   | LR7K                                                                                                                                        |
| Relay application                   | Motor protection                                                                                                                            |
| Product Compatibility               | LC7K<br>LP1K<br>LC1K<br>LP4K                                                                                                                |
| Network type                        | AC<br>DC                                                                                                                                    |
| Thermal overload class              | Class 10A IEC 60947-4-1                                                                                                                     |
| Thermal protection adjustment range | 12...16 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                                                                                                                       |
| 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 |

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

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

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals | screw clamp terminals 1 0.002...0.006 in² (1.5...4 mm²)solid<br>screw clamp terminals 2 0.002...0.006 in² (1.5...4 mm²)solid<br>screw clamp terminals 1 0.001...0.006 in² (0.75...4 mm²)flexible without cable end<br>screw clamp terminals 2 0.001...0.006 in² (0.75...4 mm²)flexible without cable end<br>screw clamp terminals 1 0.0005...0.004 in² (0.34...2.5 mm²)flexible with cable end<br>screw clamp terminals 2 0.0005...0.002 in² (0.34...1.5 mm²)flexible with cable end |
| Tightening torque       | 11.5 lbf.in (1.3 N.m) screw clamp terminals Philips No 2<br>11.5 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm                                                                                                                                                                                                                                                                                                                                                                  |
| Height                  | 2.3 in (58 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Width                   | 1.8 in (45 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Depth                   | 2.6 in (65 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Weight          | 0.320 lb(US) (0.145 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                                                                                                                                                                                                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | NF C 63-650<br>VDE 0660<br>BS 4941<br>IEC 60947                                                                                                                                                                  |
| Product Certifications                | UL<br>CSA                                                                                                                                                                                                        |
| 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          | 22314-**OBS**CTR,D-LINE,OVERLOADS |
| Discount Schedule | I12                               |
| GTIN              | 3389110705997                     |
| Returnability     | No                                |
| Country of origin | CZ                                |

## Packing Units

|                        |                 |
|------------------------|-----------------|
| Unit Type of Package 1 | PCE             |
| Nbr. of units in pkg.  | 1               |
| Package 1 Height       | 3.2 in (8.2 cm) |
| Package 1 Width        | 2.8 in (7.2 cm) |
| Package 1 Length       | 1.9 in (4.8 cm) |
| Package weight(Lbs)    | 5.4 oz (153 g)  |

# Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

| Materials and Substances  |                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive         | <a href="#">Compliant</a>                                                                                                                                                                                                                                        |
| California proposition 65 | <b>WARNING:</b> 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> |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

### Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WEEE Label               |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |