

# Product data sheet

Specifications



## Differential thermal overload relays, TeSys K, 3.7 to 5.5 A, class 10A

LR2K0312

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	LC7K LP1K LP4K LC1K
Network Type	DC AC
Thermal Overload Class	Class 10A IEC 60947-4-1
Thermal Protection Adjustment Range	3.7...5.5 A
[Ui] Rated Insulation Voltage	Power circuit 690 V BS 4941 Power circuit 690 V IEC 60947 Power circuit 750 V VDE 0110 group C Power circuit 600 V CSA C22.2 No 14

### Complementary

Network Frequency	<= 400 Hz
Mounting Support	Under contactor Plate, with specific accessories 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 690 V AC AC-15 signalling circuit 250 V DC DC-13 signalling circuit
Associated Fuse Rating	6 A gG for signalling circuit conforming to VDE 0660 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 Blue push-button stop and manual reset 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.

<b>Connections - Terminals</b>	screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1.5...4 mm <sup>2</sup> )solid screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible without cable end screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible without cable end screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.34...2.5 mm <sup>2</sup> )flexible with cable end screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.34...1.5 mm <sup>2</sup> )flexible with cable end
<b>Tightening Torque</b>	11.51 lbf.in (1.3 N.m) screw clamp terminals Philips No 2 11.51 lbf.in (1.3 N.m) screw clamp terminals flat Ø 6 mm 11.51 lbf.in (1.3 N.m) screw clamp terminals pozidriv No 2
<b>Height</b>	2.28 in (58 mm)
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	2.56 in (65 mm)
<b>Net Weight</b>	0.32 lb(US) (0.145 kg)

## Environment

<b>Standards</b>	IEC 60947 VDE 0660 BS 4941 NF C 63-650
<b>Product Certifications</b>	UL CSA UKCA
<b>Protective Treatment</b>	TC IEC 60068 TC DIN 50016
<b>Ip Degree Of Protection</b>	IP2X conforming to IEC 60529
<b>Ambient Air Temperature For Operation</b>	-4...131 °F (-20...55 °C) without derating IEC 60947 -22...140 °F (-30...60 °C) with derating IEC 60947
<b>Ambient Air Temperature For Storage</b>	-40...158 °F (-40...70 °C)
<b>Operating Altitude</b>	6561.68 ft (2000 m) without derating
<b>Fire Resistance</b>	1562 °F (850 °C) IEC 60695-2-1
<b>Flame Retardance</b>	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
<b>Mechanical Robustness</b>	Shocks NO contact10 Gn for 11 ms IEC 60068-2-27 Shocks NC contact10 Gn for 11 ms IEC 60068-2-27 Vibrations NO contact2 Gn, 5...300 Hz IEC 60068-2-6 Vibrations NC contact2 Gn, 5...300 Hz IEC 60068-2-6

## Ordering and shipping details

<b>Category</b>	22324-CONTACTOR,K-LINE,OVERLOADS
<b>Discount Schedule</b>	I12
<b>Gtin</b>	3389110230567
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	CZ

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	1.97 in (5.000 cm)
<b>Package 1 Width</b>	2.76 in (7.000 cm)
<b>Package 1 Length</b>	3.15 in (8.000 cm)

<b>Package 1 Weight</b>	5.64 oz (160.000 g)
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	41
<b>Package 2 Height</b>	5.91 in (15.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	15.00 lb(US) (6.805 kg)
<b>Unit Type Of Package 3</b>	P06
<b>Number Of Units In Package 3</b>	656
<b>Package 3 Height</b>	29.53 in (75.000 cm)
<b>Package 3 Width</b>	31.50 in (80.000 cm)
<b>Package 3 Length</b>	23.62 in (60.000 cm)
<b>Package 3 Weight</b>	257.68 lb(US) (116.882 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)


[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information Yes

## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

**Eu RoHS Directive** Compliant with Exemptions

**China RoHS Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information.

**Environmental Disclosure** [Product Environmental Profile](#)

**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

**Circularity Profile** [End of Life Information](#)

**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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)