

# Product data sheet

Specifications



## Differential thermal overload relays, TeSys K, 1.2 to 1.8 A, class 10A

LR2K0307

**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 LP1K LP4K LC7K
Network type	AC DC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	1.2...1.8 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 signalling circuit VDE 0660 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.

<b>Local signalling</b>	Trip indicator Yellow)
<b>Control type</b>	Red push-button trip test function Blue push-button stop and manual reset selector switch manual or automatic reset
<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>Product Weight</b>	0.32 lb(US) (0.145 kg)

## Environment

<b>Standards</b>	IEC 60947 NF C 63-650 VDE 0660 BS 4941
<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>	3389110230437
<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>	1.93 in (4.900 cm)
<b>Package 1 Width</b>	2.80 in (7.100 cm)
<b>Package 1 Length</b>	3.23 in (8.200 cm)

<b>Package 1 Weight</b>	5.50 oz (155.800 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>	14.65 lb(US) (6.647 kg)

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>California proposition 65</b>	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>
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)