Product data sheet

Specifications

Differential thermal overload relays, TeSys K, 8 to 11.5 A, class 10A

LR2K0316

Product availability: Stock - Normally stocked in distribution facility

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 LC1K LP4K
Network type	DC AC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	8…11.5 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.

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

Environment

Standards	IEC 60947 VDE 0660 BS 4941 NF C 63-650
Product Certifications	UL CSA UKCA
Protective treatment	TC IEC 60068 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 -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 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
Mechanical robustness	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

Category	US10I1222324
Discount Schedule	0I12
GTIN	3389110230581
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	5.538 oz (157.000 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	15.113 lb(US) (6.855 kg)

Contractual warranty

Warranty	18 months

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 >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	4
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
SCIP Number	E145d1bc-6ab6-4bb3-beeb-cb7d7952e3f6
REACh Regulation	REACh Declaration
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

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Offer Marketing Illustration

Product benefits / Features

Offer Marketing Illustration

Product benefits / Features