

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

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 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
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
Connections - terminals	screw clamp terminals 1 0.00...0.01 in ² (1.5...4 mm ²)solid screw clamp terminals 2 0.00...0.01 in ² (1.5...4 mm ²)solid screw clamp terminals 1 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end screw clamp terminals 2 0.00...0.01 in ² (0.75...4 mm ²)flexible without cable end screw clamp terminals 1 0.00...0.00 in ² (0.34...2.5 mm ²)flexible with cable end screw clamp terminals 2 0.00...0.00 in ² (0.34...1.5 mm ²)flexible with cable end
Tightening torque	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
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 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	22324-CONTACTOR,K-LINE,OVERLOADS
Discount Schedule	I12
GTIN	3389110230567
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	3.15 in (8.000 cm)
Package 1 Weight	5.64 oz (160.000 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	15.00 lb(US) (6.805 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	257.68 lb(US) (116.882 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 www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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
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Recommended replacement(s)