Product data sheet
Characteristics

LR2K0302
TeSys K - differential thermal overload relays - 0.16...0.23 A - class 10A

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 LP4K LP1K LC7K
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	0.16…0.23 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 conforming to 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 conforming to 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 in² (1.5…4 mm²)solid Screw clamp terminals 2 0.00…0.01 in² (1.5…4 mm²)solid Screw clamp terminals 1 0.00…0.01 in² (0.75…4 mm²)flexible without cable end Screw clamp terminals 2 0.00…0.01 in² (0.75…4 mm²)flexible without cable end Screw clamp terminals 1 0.00…0.00 in² (0.34…2.5 mm²)flexible with cable end Screw clamp terminals 2 0.00…0.00 in² (0.34…1.5 mm²)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
Height	2.28 in (58 mm)
Maximum Width	1.77 in (45 mm)
Depth	2.56 in (65 mm)
Net Weight	0.32 lb(US) (0.145 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Standards	VDE 0660 NF C 63-650 BS 4941 IEC 60947
Product certifications	UL CSA
Protective treatment	TC IEC 60068 TC DIN 50016
IP degree of protection	IP2x 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 UL 94 Requirement 2 NF F 16-101 Requirement 2 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	00785901883081
Nbr. of units in pkg.	1
Package weight(Lbs)	0.31 lb(US) (0.14 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	2.83 in (7.2 cm)
Package 1 Length	3.31 in (8.4 cm)

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
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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.

Contractual warranty

Warranty	18 months