Product data sheet

Specifications

Green Premium™

Non differential thermal overload relays, TeSys K, 0.54 to 0.8 A, class 10A

LR7K0305

Discontinued

Main

Range	TeSys
Product Name	TeSys LRK
Product Or Component Type	Non differential thermal overload relay
Device Short Name	LR7K
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	0.54…0.8 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 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
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 0.00…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 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	BS 4941 IEC 60947 NF C 63-650 VDE 0660
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	22314-**OBS**CTR,D-LINE,OVERLOADS
Discount Schedule	I12
Gtin	3389110705904
Returnability	No
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.89 in (4.8 cm)
Package 1 Width	2.83 in (7.2 cm)
Package 1 Length	3.35 in (8.5 cm)

Package 1 Weight	5.22 oz (148.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	41
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	14.51 lb(US) (6.58 kg)

Contractual warranty

Warranty	18 months

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_2 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