

# Product datasheet

Specifications



## TeSys K - non differential thermal overload relays - 3.7...5.5 A - class 10A

LR7K0312

**Price: 1,222.37 ZAR**

### 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 conforming to IEC 60947-4-1
Thermal Protection Adjustment Range	3.7...5.5 A
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to BS 4941 Power circuit: 690 V conforming to IEC 60947 Power circuit: 750 V conforming to 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 for signalling circuit
[Ue] Rated Operational Voltage	<= 690 V for power circuit 690 V AC AC-15 for signalling circuit 250 V DC DC-13 for 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

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Connections - Terminals</b>	Screw clamp terminals 1 cable(s) 1.5...4 mm <sup>2</sup> solid Screw clamp terminals 2 cable(s) 1.5...4 mm <sup>2</sup> solid Screw clamp terminals 1 cable(s) 0.75...4 mm <sup>2</sup> flexible without cable end Screw clamp terminals 2 cable(s) 0.75...4 mm <sup>2</sup> flexible without cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm <sup>2</sup> flexible with cable end Screw clamp terminals 2 cable(s) 0.34...1.5 mm <sup>2</sup> flexible with cable end
<b>Tightening Torque</b>	1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
<b>Height</b>	58 mm
<b>Width</b>	45 mm
<b>Depth</b>	65 mm
<b>Net Weight</b>	0.145 kg

## Environment

<b>Standards</b>	BS 4941 VDE 0660 IEC 60947 NF C 63-650
<b>Product Certifications</b>	UL CSA UKCA
<b>Protective Treatment</b>	TC conforming to IEC 60068 TC conforming to DIN 50016
<b>Ip Degree Of Protection</b>	IP2X conforming to IEC 60529
<b>Ambient Air Temperature For Operation</b>	-20...55 °C without derating conforming to IEC 60947 -30...60 °C with derating conforming to IEC 60947
<b>Ambient Air Temperature For Storage</b>	-40...70 °C
<b>Operating Altitude</b>	2000 m without derating
<b>Fire Resistance</b>	850 °C conforming to 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 contact: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks NC contact: 10 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations NO contact: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations NC contact: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	8.5 cm
<b>Package 1 Width</b>	7.2 cm
<b>Package 1 Length</b>	4.8 cm
<b>Package 1 Weight</b>	153.0 g
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	41
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm

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Package 2 Weight	6.622 kg
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## Contractual warranty

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Warranty	18 months
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## 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<sub>2</sub> 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](#)