Product datasheet

Specifications

Green Premium™

TeSys K - non differential thermal overload relays - 12...16 A - class 10A

LR7K0322

ⓘ **Discontinued on:** 19 May 2023

ⓘ **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	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	12…16 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

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Connections - terminals	Screw clamp terminals 1 cable(s) 1.5…4 mm²solid
	Screw clamp terminals 2 cable(s) 1.5…4 mm²solid
	Screw clamp terminals 1 cable(s) 0.75…4 mm²flexible without cable end
	Screw clamp terminals 2 cable(s) 0.75…4 mm²flexible without cable end
	Screw clamp terminals 1 cable(s) 0.34…2.5 mm²flexible with cable end
	Screw clamp terminals 2 cable(s) 0.34…1.5 mm²flexible with cable end
Tightening torque	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
Height	58 mm
Width	45 mm
Depth	65 mm
net weight	0.145 kg

Environment

Standards	NF C 63-650
	VDE 0660
	BS 4941
	IEC 60947
Product certifications	UL
	CSA
Protective treatment	TC conforming to IEC 60068
	TC conforming to DIN 50016
IP degree of protection	IP2X conforming to IEC 60529
Ambient air temperature for operation	-20…55 °C without derating conforming to IEC 60947
	-30…60 °C with derating conforming to IEC 60947
ambient air temperature for storage	-40…70 °C
Operating altitude	2000 m without derating
Fire resistance	850 °C conforming to 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 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.2 cm
Package 1 Width	7.2 cm
Package 1 Length	4.8 cm
Package 1 Weight	153 g

Contractual warranty

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_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 ›

RoHS/REACh

Well-being performance

✓ Reach Free Of Svhc

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Eu Rohs Directive   Compliant

EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins