LR2K0316

TeSys K - differential thermal overload relays - 8...11.5 A - class 10A



Main Range of product TeSys K thermal overload relays Product or component Differential thermal overload relay Device short name LR2K Relay application Motor protection Product compatibility LC1K LP1K LC7K LP4K Network type AC Overload tripping class Class 10A conforming to IEC 60947-4-1 Thermal protection ad-8...11.5 A justment range 600 V power circuit conforming to CSA C22.2 $\overline{\text{No }14}$ [Ui] rated insulation 750 V power circuit conforming to VDE 0110 group voltage 690 V power circuit conforming to IEC 60947

690 V power circuit conforming to BS 4941

Complementary

Complementary	
Network frequency	<= 400 Hz
Mounting support	Under contactor
Auxiliary contact composition	1 NO + 1 NC
[lth] conventional free air thermal current	6 A for signalling circuit
[Ue] rated operational voltage	250 V DC DC-13 for signalling circuit 690 V AC AC-15 for signalling circuit <= 690 V for power circuit
Associated fuse rating	6 A gG for signalling circuit conforming to IEC 60947 6 A gG for signalling circuit conforming to VDE 0660
[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	Selector switch manual or automatic for reset mode Blue pushbutton stop and manual reset Red pushbutton trip test function
Connections - terminals	Screw clamp terminals 2 cable(s) 0.341.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.342.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0.754 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.754 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 1.54 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 1.54 mm² - cable stiffness: solid
Tightening torque	1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm 1.3 N.m - on screw clamp terminals - with screwdriver Philips No 2
Height	58 mm
Width	45 mm
Depth	65 mm
Product weight	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 the dues as aubstitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the documentation into perform the appropriate and complete risk analysis, evaluation and roducts with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substituties shall be responsible or liable for misuse of the information contained herein.

Environment

Standards	BS 4941
	IEC 60947
	NF C 63-650
	VDE 0660
Product certifications	CSA
	UL
Protective treatment	TC conforming to DIN 50016
	TC conforming to IEC 60068
IP degree of protection	IP2x conforming to IEC 60529
Ambient air temperature for operation	-3060 °C with derating conforming to IEC 60947
	-2055 °C without derating conforming to IEC 60947
Ambient air temperature for storage	-4070 °C
Operating altitude	2000 m without derating
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	Requirement 2 conforming to NF F 16-102
	Requirement 2 conforming to NF F 16-101
	V1 conforming to UL 94
Mechanical robustness	Vibrations NC contact 2 Gn, 5300 Hz conforming to IEC 60068-2-6
	Vibrations NO contact 2 Gn, 5300 Hz conforming to IEC 60068-2-6
	Shocks NC contact 10 Gn for 11 ms conforming to IEC 60068-2-27
	Shocks NO contact 10 Gn for 11 ms conforming to IEC 60068-2-27

Contractual warranty

Period	18 months

