Product data sheet
Characteristics

LR2K0301
TeSys K - differential thermal overload relays - 0.11...0.16 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 LP1K LC7K LP4K
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	0.11...0.16 A
[Ui] rated insulation voltage	600 V power circuit conforming to CSA C22.2 No 14 690 V power circuit conforming to BS 4941 690 V power circuit conforming to IEC 60947 750 V power circuit conforming to VDE 0110 group C

Complementary

Network frequency	<= 400 Hz
Mounting support	Plate with specific accessories Rail with specific accessories Under contactor
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

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

[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 for reset mode
Connections - terminals	Screw clamp terminals 1 cable(s) 1.5...4 mm² - cable stiffness: solid Screw clamp terminals 1 cable(s) 0.75...4 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm² - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 1.5...4 mm² - cable stiffness: solid Screw clamp terminals 2 cable(s) 0.75...4 mm² - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0.34...1.5 mm² - cable stiffness: flexible - 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
Product weight	0.145 kg

Environment

Standards	BS 4941 VDE 0660 IEC 60947 NF C 63-650
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

Contractual warranty

Warranty period	18 months