

LR2K0310

TeSys K - differential thermal overload relays
-2.6...3.7 A - class 10A



Main

Range of product	TeSys K thermal overload relays
Product or component type	Differential thermal overload relay
Device short name	LR2K
Relay application	Motor protection
Product compatibility	LP4K LP1K LC7K LC1K
Network type	AC DC
Overload tripping class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	2.6...3.7 A
[Ui] rated insulation voltage	690 V power circuit conforming to IEC 60947 690 V power circuit conforming to BS 4941 750 V power circuit conforming to VDE 0110 group C 600 V power circuit conforming to CSA C22.2 No 14

Complementary

Network frequency	≤ 400 Hz
Mounting support	Plate with specific accessories Under contactor 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 AC AC-15 for signalling circuit 250 V DC DC-13 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	Red push-button trip test function Selector switch manual or automatic for reset mode Blue push-button stop and manual reset
Connections - terminals	Screw clamp terminals 2 cable(s) 0.34...1.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 0.34...2.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 2 cable(s) 1.5...4 mm ² - cable stiffness: solid Screw clamp terminals 2 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0.75...4 mm ² - cable stiffness: flexible - without cable end
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
Compatibility code	LR2K

Environment

Standards	BS 4941 NF C 63-650 IEC 60947 VDE 0660
Product certifications	UL CSA
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	-30...60 °C with derating conforming to IEC 60947 -20...55 °C without 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	Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 V1 conforming to UL 94
Mechanical robustness	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 Vibrations NC contact 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations NO contact 2 Gn, 5...300 Hz conforming to IEC 60068-2-6

Contractual warranty

Warranty period	18 months
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