



Main

Range of product	TeSys K
Device short name	LR2K
Product or component type	Thermal overload relay
Relay application	Motor
Network type	AC
Overload tripping class	Class 10A
Thermal protection adjustment range	8...11.5 A
Protection type	AM fuses 10 A - for power circuit BS88 fuse 20 A - for power circuit GG fuse 225 A - for power circuit
Quantity per set	Set of 10

Complementary

Network frequency	<= 400 Hz
Mounting support	Symmetrical AM1-D rail
[Ith] conventional free air thermal current	6 A for control circuit
Maximum power	100 VA AC at 24 V 100 W DC at 24 V 100 W DC at 48 V 200 VA AC at 48 V 35 W DC at 250 V 400 VA AC at 110 V 45 W DC at 220 V 50 W DC at 110 V 600 VA AC at 220...230 V 600 VA AC at 400 V 600 VA AC at 415...440 V 600 VA AC at 600...690 V
[Ue] rated operational voltage	<= 250 V DC DC-13 for control circuit <= 690 V AC 50/60 Hz AC-15 for control circuit <= 690 V AC 50/60 Hz for power circuit
[Ui] rated insulation voltage	600 V AC power circuit conforming to CSA C22-2 No 14 690 V AC power circuit conforming to BS 4941 690 V AC power circuit conforming to IEC 60947 750 V AC power circuit conforming to VDE 0110 group C
[Uimp] rated impulse withstand voltage	6 kV
Power dissipation per pole	2 W
Phase failure sensitivity	Yes conforming to IEC 60947
Reset	Manual or automatic reset selected by means of lockable and sealable switch
Signalling function	Trip indicator on front of relay
Connections - terminals	Screw clamp terminals control circuit: 1 cable 0.34...1.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Screw clamp terminals control circuit: 1 cable 0.34...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Screw clamp terminals control circuit: 1 cable 0.75...4 mm <sup>2</sup> - cable stiffness: flexible - without cable end Screw clamp terminals control circuit: 1 cable 1.5...4 mm <sup>2</sup> - cable stiffness: solid Screw clamp terminals control circuit: 2 cable 0.75...4 mm <sup>2</sup> - cable stiffness: flexible - without cable end Screw clamp terminals control circuit: 2 cable 1.5...4 mm <sup>2</sup> - cable stiffness: solid
Tightening torque	0.8 N.m control circuit: - on screw clamp terminals - with screwdriver 6 mm
Height	58 mm
Width	45 mm

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Depth	65 mm
Product weight	0.145 kg

## Environment

Standards	BS 4941 IEC 60947 NF C 63-650 VDE 0660
Product certifications	CSA GOST UL
Protective treatment	TC climate proof conforming to DIN 50016 TC climate proof conforming to IEC 60068
IP degree of protection	IP2x conforming to VDE 0106
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
Shock resistance	10 gn 11 ms conforming to IEC 60068 10 gn half sine wave conforming to IEC 60068 10 gn hot state conforming to IEC 60068 10 gn NC contact conforming to IEC 60068 10 gn NO contact conforming to IEC 60068
Vibration resistance	2 gn 5...300 Hz conforming to IEC 60068 2 gn hot state conforming to IEC 60068 2 gn NC contact conforming to IEC 60068 2 gn NO contact conforming to IEC 60068