Product datasheet Characteristics

LR9D5369

TeSys LRD thermal overload relays - 90...150 A class 10



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Electronic thermal overload relay
Device short name	LR9D
Relay application	Motor protection
Product compatibility	LC1D115 LC1D150 NSX circuit breaker
Network type	AC
Overload tripping class	Class 10 conforming to IEC 60947-4-1 Class 10A conforming to IEC 60947-4-1
Signalling function	Alarm
Thermal protection adjustment range	90150 A
[Ui] rated insulation voltage	1000 V power circuit conforming to IEC 60947-4-1 600 V power circuit conforming to CSA 600 V power circuit conforming to UL

Complementary

Network frequency	5060 Hz	
[Us] rated supply voltage	24 V DC	
Supply voltage limits	1732 V	ed a
Mounting support	Rail Under contactor	not intend
Tripping threshold	1.05 +/- 0.06 In alarm conforming to IEC 60947-4-1 1.12 +/- 0.06 In de-energisation conforming to IEC 60947-4-1	tation is
[lth] conventional free air thermal current	5 A for signalling circuit	
[Ue] rated operational voltage	690 V 5060 Hz	This.
Associated fuse rating	5 A gG for signalling circuit	mer.
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 61000-4-5	isclai

Red push-button stop
Blue push-button for reset mode
-2060 °C
0150 mA
<= 2.5 V closed state
Power circuit: bars Control circuit: screw clamp terminals 1 cable(s) 0.51.5 mm² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 0.51.5 mm² - cable stiffness: flexible - without cable end Alarm circuit: screw clamp terminals 1 cable(s) 0.51.5 mm² - cable stiffness: flexible - without cable end
Alarm circuit: 0.45 N.m - on screw clamp terminals Power circuit: 18 N.m - on bars screw: M8 Control circuit: 1.2 N.m - on screw clamp terminals
132 mm
0.885 kg

Environment

Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-2060 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-6070 °C
Operating altitude	<= 2000 m without derating
Fire resistance	850 °C conforming to IEC 60695-2-1
Mechanical robustness	Vibrations 2 Gn, 5300 Hz IEC 60068-2-6 Shocks 13 Gn for 11 ms IEC 60068-2-7
Dielectric strength	6 kV at 50 Hz conforming to IEC 60255-5
Standards	EN 60947-4-1 IEC 255-8 IEC 60947-4-1 VDE 0660 IEC 255-17
Product certifications	UL 508 CSA 22-2

Contractual warranty

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Warranty period	18 months