

Product data sheet

Characteristics

LR3D12

TeSys LRD thermal overload relays - 5.5...8 A - class 10A



勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Non differential thermal overload relay
Device short name	LR3D
Relay application	Motor protection
Product compatibility	LC1D32 LC1D12 LC1D18 LC1D25 LC1D38 LC1D09
Network type	DC AC
Thermal protection adjustment range	5.5...8 A
[Ui] rated insulation voltage	600 V power circuit conforming to CSA 600 V power circuit conforming to UL 690 V power circuit conforming to IEC 60947-4-1

Complementary

Network frequency	0...400 Hz
Mounting support	Plate with specific accessories Rail with specific accessories Under contactor
Tripping threshold	1.14 +/- 0.06 I _r conforming to IEC 60947-4-1
[I _{th}] conventional free air thermal current	5 A for signalling circuit
Permissible current	3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 for signalling circuit
[U _e] rated operational voltage	690 V AC 0...400 Hz
[U _{imp}] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0

Control type	Red push-button stop Blue push-button for reset mode
Temperature compensation	-20...60 °C
Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) 1.5...10 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable(s) 1...6 mm ² - cable stiffness: solid - without cable end
Tightening torque	Control circuit : 1.7 N.m - on screw clamp terminals Power circuit : 1.7 N.m - on screw clamp terminals
Width	45 mm
Depth	70 mm
Product weight	0.124 kg

Environment

Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	Without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60...70 °C
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations 6 Gn IEC 60068-2-6 Shocks 15 Gn for 11 ms IEC 60068-2-7
Dielectric strength	6 kV at 50 Hz conforming to IEC 60255-5
Standards	UL 508 CSA C22.2 No 14 IEC 60947-4-1 IEC 60947-5-1 ATEX D 94/9/CE EN 60947-4-1 EN 60947-5-1
Product certifications	GL BV LROS (Lloyds register of shipping) ATEX INERIS GOST CCC RINA UL DNV CSA

Contractual warranty

Warranty period	18 months
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