

Product data sheet

Specifications



TeSys LRD thermal overload relays - 9...13 A - class 20

LR3D1516

! Discontinued

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	LC1D18 LC1D32 LC1D12 LC1D25 LC1D09
Network Type	AC DC
Thermal Overload Class	Class 20 IEC 60947-4-1
Thermal Protection Adjustment Range	9...13 A
[Ui] Rated Insulation Voltage	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 690 V 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 Ir IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[Ith] Conventional Free Air Thermal Current	5 A signalling circuit
Permissible Current	1.5 A 240 V AC-15 signalling circuit 0.1 A 250 V DC-13 signalling circuit
[Ue] Rated Operational Voltage	690 V AC 0...400 Hz power circuit IEC 60947-4-1
Associated Fuse Rating	4 A gG for signalling circuit 4 A BS for signalling circuit
[Uimp] Rated Impulse Withstand Voltage	6 kV
Phase Failure Sensitivity	Tripping current 130 % of Ir on two phase, the last one at 0
Control Type	Red push-button stop Blue push-button reset
Temperature Compensation	-4...140 °F (-20...60 °C)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Connections - Terminals	Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) solid without cable end Power circuit screw clamp terminals 1 0.00...0.02 in² (1.5...10 mm²) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in² (1...6 mm²) solid without cable end
Tightening Torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 16.37 lbf.in (1.85 N.m) screw clamp terminals
Width	1.77 in (45 mm)
Depth	3.62 in (92 mm)
Net Weight	0.42 lb(US) (0.19 kg)

Environment

Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
Ambient Air Temperature For Storage	-76...158 °F (-60...70 °C)
Flame Retardance	V1 conforming to UL 94
Mechanical Robustness	Vibrations6 Gn IEC 60068-2-6 Shocks15 Gn for 11 ms IEC 60068-2-7
Dielectric Strength	1.89 kV 50 Hz IEC 60947-1
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4 GB/T 14048.5
Product Certifications	IEC UL CSA CCC EAC BV DNV-GL LROS (Lloyds register of shipping)

Ordering and shipping details

Category	22314-**OBS**CTR,D-LINE,OVERLOADS
Discount Schedule	I12
Gtin	3389110207439
Returnability	No
Country Of Origin	FR

Contractual warranty

Warranty	18 months
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