

Product availability : Stock - Normally stocked in distribution facility



### 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 LC1D38 LC1D25 LC1D12 LC1D18 LC1D09
Network type	DC AC
Thermal protection adjustment range	7...10 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 <sub>r</sub> conforming to IEC 60947-4-1
[I <sub>th</sub> ] 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
System Voltage	690 V AC 0...400 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0
Control type	Red push-button stop Blue push-button for reset mode
Temperature compensation	-4...140 °F (-20...60 °C)

Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> solid without cable end Power circuit : screw clamp terminals 1 cable(s) 1.5...10 mm <sup>2</sup> flexible without cable end Power circuit : screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible with cable end Power circuit : screw clamp terminals 1 cable(s) 1...6 mm <sup>2</sup> 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	1.77 in (45 mm)
Depth	2.76 in (70 mm)
Product weight	0.27 lb(US) (0.124 kg)
Compatibility code	LR3D

## 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	-76...158 °F (-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 kVat 50 Hz conforming to IEC 60255-5
Standards	CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-4-1 EN 60947-5-1 EN 60947-4-1 UL 508 ATEX D 94/9/CE
Product certifications	RINA GL GOST CSA CCC ATEX INERIS BV DNV UL LROS (Lloyds register of shipping)

## Ordering and shipping details

Category	22347 - CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	00785901206880
Nbr. of units in pkg.	1
Package weight(Lbs)	0.33000000000000002
Returnability	Y
Country of origin	FR

## Contractual warranty

Warranty period	18 months
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