



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	LC1D65A LC1D50A LC1D40A
Network type	AC DC
Thermal protection adjustment range	37...50 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
[Ith] conventional free air thermal current	5 A signalling circuit
Permissible current	0.06 A 440 V DC-13 signalling circuit 0.75 A 480 V AC-15 signalling circuit
[Ue] rated operational voltage	690 V AC 0...400 Hz
[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)
Connections - terminals	Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²) flexible without cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²) flexible with cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²) solid without cable end Control circuit spring terminals 1 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end Control circuit spring terminals 1 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end
Tightening torque	Power circuit 44.25 lbf.in (5 N.m) EverLink BTR screw connectors
Maximum Height	2.76 in (70 mm)
Maximum Width	2.17 in (55 mm)
Maximum Depth	4.84 in (123 mm)
Net Weight	0.83 lb(US) (0.375 kg)

Environment

Protective treatment	TH IEC 60068
IP degree of protection	IP20 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 UL 94
Mechanical robustness	Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations4 gn IEC 60068-2-6
Dielectric strength	6 kV 50 Hz IEC 60255-5
Standards	ATEX D 94/9/CE EN 60947-4-1 CSA C22.2 No 14 UL 508 IEC 60947-5-1 IEC 60947-4-1 EN 60947-5-1
Product certifications	CSA EAC ATEX INERIS UL ABS

Ordering and shipping details

Category	22347 - CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	03389119215718
Nbr. of units in pkg.	1
Package weight(Lbs)	0.99 lb(US) (0.45 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.76 in (7 cm)
Package 1 width	4.25 in (10.8 cm)
Package 1 Length	5.43 in (13.8 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide which is known to the State of California to cause Carcinogen harm. For more information go to www.p65warnings.ca.gov
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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