



Main

Range	TeSys TeSys Deca
Product name	TeSys LRD TeSys Deca
Product or Component Type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product Compatibility	LC1D80A
Network type	AC DC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	62...80 A
[Ui] rated insulation voltage	Power circuit 690 V IEC 60947-4-1 Power circuit 600 V UL 60947-4-1 Power circuit 600 V CSA C22.2 No 14

Complementary

Network Frequency	0...400 Hz
Mounting support	Plate, with terminal block LAD96560 on top Rail, with terminal block LAD96560 on top Direct mounting 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	0.95 A 380 V AC-15 signalling circuit 0.06 A 440 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
Power dissipation per pole	4.8 W
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)
Connection pitch	0.69 in (17.5 mm)
Connections - terminals	Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) solid Power circuit ring lugs 0.65 in (16.5 mm) Power circuit bars 6 x 13.5 mm Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible Power circuit direct terminal link top
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 53.10 lbf.in (6 N.m) ring lugs M6 Power circuit 53.10 lbf.in (6 N.m) bars M6
Height	2.76 in (70 mm)
Width	2.17 in (55 mm)
Depth	4.84 in (123 mm)

Net Weight	0.83 lb(US) (0.375 kg)
Color	Gray SE GREY 6)

Environment

Climatic withstand	IACS E10
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	Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations3 GN IEC 60068-2-6
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[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]DNV-GL[RETURN]RMRS[RETURN]EU-RO MR[RETURN]UKCA

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
GTIN	3606481312006
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.46 in (6.25 cm)
Package 1 Width	4.33 in (11.0 cm)
Package 1 Length	5.51 in (14.0 cm)
Package 1 Weight	14.99 oz (425.0 g)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
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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