

Product data sheet

Specifications



TeSys Deca differential thermal overload relay 62-80A class10A EverLink+springs

LRD3803

Product availability: Non-Stock - Not normally stocked in distribution facility

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)

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	Power circuit EverLink BTR screw connectors 1 0.002...0.05 in² (1...35 mm²) flexible with cable end Power circuit EverLink BTR screw connectors 1 0.002...0.05 in² (1...35 mm²) solid Control circuit spring terminals 1 0.002...0.004 in² (1...2.5 mm²) solid Power circuit EverLink BTR screw connectors 1 0.002...0.05 in² (1...35 mm²) flexible Power circuit direct terminal link top Control circuit spring terminals 1 0.002...0.004 in² (1...2.5 mm²) flexible
Tightening torque	Power circuit 44.3 lbf.in (5 N.m) EverLink BTR screw connectors 0.04 in² (25 mm²) Power circuit 70.8 lbf.in (8 N.m) EverLink BTR screw connectors 0.05 in² (35 mm²)
Height	2.8 in (70 mm)
Width	2.2 in (55 mm)
Depth	4.8 in (123 mm)
Net Weight	0.827 lb(US) (0.375 kg)

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 UL CSA CCC EAC DNV-GL RMRS EU-RO MR UKCA

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
GTIN	3606481311993
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	4.33 in (11.0 cm)

Package 1 Length	5.51 in (14.0 cm)
Package 1 Weight	15.0 oz (425.0 g)

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	5
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.