

Product data sheet

Specifications



TeSys Deca thermal overload relays - 12...18 A - class 10A

LR3D3183

⚠ Discontinued on: Oct 10, 2020

⚠ Discontinued

Main

Range	TeSys
Product Name	TeSys LRD TeSys Deca
Product Or Component Type	Non differential thermal overload relay
Device Short Name	LR3D
Relay Application	Motor protection
Product Compatibility	LC1D40A LC1D65A LC1D50A
Network Type	DC AC
Thermal Overload Class	Class 10A conforming to IEC 60947-4-1
Thermal Protection Adjustment Range	12...18 A
[Ui] Rated Insulation Voltage	Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL Power circuit: 690 V 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 _r conforming to IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[I _{th}] Conventional Free Air Thermal Current	5 A for signalling circuit
Permissible Current	0.95 A at 380 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit
[U _e] Rated Operational Voltage	690 V AC 0...400 Hz for power circuit conforming to IEC 60947-4-1
Associated Fuse Rating	4 A gG for signalling circuit 4 A BS for signalling circuit
[U _{imp}] Rated Impulse Withstand Voltage	6 kV
Phase Failure Sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0
Control Type	Red push-button: stop Blue push-button: reset
Temperature Compensation	-20...60 °C

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 cable(s) 1...35 mm² flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm² flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm² solid without cable end Control circuit: spring terminals 1 cable(s) 1...2.5 mm² solid without cable end Control circuit: spring terminals 1 cable(s) 1...2.5 mm² flexible without cable end
Tightening Torque	Power circuit: 5 N.m - on EverLink BTR screw connectors
Height	70 mm
Width	55 mm
Depth	123 mm
Net Weight	0.375 kg

Environment

Climatic Withstand	conforming to IACS E10
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-20...60 °C without derating conforming to IEC 60947-4-1
Ambient Air Temperature For Storage	-60...70 °C
Flame Retardance	V1 conforming to UL 94
Mechanical Robustness	Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 4 gn conforming to IEC 60068-2-6
Dielectric Strength	1.89 kV at 50 Hz conforming to 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 LROS (Lloyds register of shipping)

Contractual warranty

Warranty	18 months
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Sustainability





Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)

Well-being performance

	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes
Eu Rohs Directive	Compliant	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration	Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
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 cancer. For more information go to www.P65Warnings.ca.gov	