Product data sheet

Specifications

Green Premium™

Discontinued

Thermal overload relay, TeSys Deca, 690VAC, 0.63 to 1A, 1NO+1NC, class 10A, spring terminal

LRD053

Discontinued on: Oct 18, 2021

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

Main

Range	TeSys
Product Name	TeSys LRD TeSys Deca
Product Or Component Type	Differential thermal overload relay
Device Short Name	LRD
Relay Application	Motor protection
Product Compatibility	LC1D32 LC1D09 LC1D12 LC1D38 LC1D25 LC1D18
Network Type	DC AC
Thermal Overload Class	Class 10A IEC 60947-4-1
Thermal Protection Adjustment Range	0.63…1 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
Auxiliary Contact Composition	1 NO + 1 NC
[Ith] Conventional Free Air Thermal Current	5 A signalling circuit
Permissible Current	3 A 120 V AC-15 signalling circuit 0.22 A 125 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

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

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	Control circuit spring terminals 1 0.00…0.00 in² (1…2.5 mm²) solid without cable end Control circuit spring terminals 1 0.00…0.00 in² (1…2.5 mm²) flexible without cable end Power circuit spring terminals 1 0.00…0.01 in² (1.5…4 mm²) flexible without cable end Power circuit spring terminals 1 0.00…0.01 in² (1.5…4 mm²) flexible with cable end
Height	3.66 in (93 mm)
Width	1.77 in (45 mm)
Depth	2.83 in (72 mm)
Net Weight	0.31 lb(US) (0.14 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	Vibrations6 Gn IEC 60068-2-6 Shocks15 Gn for 11 ms IEC 60068-2-7
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 EN 50495
Product Certifications	IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
Gtin	3389110821987
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE

Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	3.15 in (8.0 cm)
Package 1 Length	3.94 in (10.0 cm)
Package 1 Weight	6.95 oz (197.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	23
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	10.43 lb(US) (4.731 kg)

Contractual warranty

Warranty	18 months

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-CO_2 products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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.
Circularity Profile	End of Life Information
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