

# Product data sheet

Specifications



Thermal overload relay, TeSys  
Deca, 690VAC, 9 to 13A,  
1NO+1NC, class 20, EverLink  
spring terminal

LRD313L3

⚠ Discontinued

## 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	LC1D50A LC1D40A LC1D65A
Network Type	DC AC
Thermal Overload Class	Class 20 IEC 60947-4-1
Thermal Protection Adjustment Range	9...13 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	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 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
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 0.00...0.05 in² (1...35 mm²) flexible without cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in² (1...35 mm²) flexible with cable end Power circuit EverLink BTR screw connectors 1 0.00...0.05 in² (1...35 mm²) solid without cable end 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
Tightening Torque	Power circuit 44.25 lbf.in (5 N.m) EverLink BTR screw connectors
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)

## 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 Vibrations4 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 EN 50495
Product Certifications	IEC UL CSA CCC EAC DNV-GL RMRS EU-RO MR LROS (Lloyds register of shipping) ATEX INERIS

## Ordering and shipping details

Category	22347-CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
Gtin	3389119215664
Returnability	No
Country Of Origin	FR

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

# 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-CO<sub>2</sub> 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 >](#)

## Well-being performance

	Reach Free Of Svhc	
	Mercury Free	
	Rohs Exemption Information	<a href="#">Yes</a>
<b>Eu Rohs Directive</b>	Compliant	<a href="#">EU RoHS Declaration</a>
<b>China Rohs Regulation</b>	<a href="#">China RoHS declaration</a>	Product out of China RoHS scope. Substance declaration for your information.
<b>Weee</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	