# **Product data sheet**

Specification





# TeSys Deca thermal overload relays - 9...13 A - class 10A

LR3D16

Product availability: Stock - Normally stocked in distribution facility

Price\*: 62.00 USD

#### Main

Range	TeSys TeSys Deca	
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	LC1D32 LC1D25 LC1D18 LC1D12 LC1D38	
Network Type	DC AC	
Thermal Overload Class Class 10A IEC 60947-4-1		
Thermal Protection Adjustment Range	913 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	0400 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 0400 Hz power circuit IEC 60947-4-1
Associated Fuse Rating	4 A gG for signalling circuit 4 A BS for signalling circuit
imp] Rated Impulse Withstand 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Temperature Compensation	-4140 °F (-2060 °C)	
Connections - Terminals	Control circuit screw clamp terminals 2 0.000.00 in² (12.5 mm²) flexible without cable end	
	Control circuit screw clamp terminals 2 0.000.00 in² (12.5 mm²) flexible with cable end	
	Control circuit screw clamp terminals 2 0.000.00 in² (12.5 mm²) solid without cable end	
	Power circuit screw clamp terminals 1 0.000.02 in² (1.510 mm²) flexible without cable end	
	Power circuit screw clamp terminals 1 0.000.01 in² (14 mm²) flexible with cable end	
	Power circuit screw clamp terminals 1 $0.000.01~\text{in}^2~(16~\text{mm}^2)$ solid without cable end	
Tightening Torque	Torque Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals	
Height	2.60 in (66 mm)	
Width	1.77 in (45 mm)	
<b>Depth</b> 2.76 in (70 mm)		
Net Weight 0.27 lb(US) (0.124 kg)		

#### **Environment**

Climatic Withstand	IACS E10
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Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-4140 °F (-2060 °C) without derating IEC 60947-4-1
Ambient Air Temperature For Storage	-76158 °F (-6070 °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 UKCA

# Ordering and shipping details

Category	US10I1222347	
Discount Schedule	0112	
Gtin	3389110346985	
Returnability	Yes	
Country Of Origin	FR	

## **Packing Units**

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	1.97 in (5.0 cm)	
Package 1 Width	3.03 in (7.7 cm)	
Package 1 Length	3.46 in (8.8 cm)	
Package 1 Weight	4.87 oz (138.0 g)	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	24	
Package 2 Height	5.91 in (15 cm)	
Package 2 Width	11.81 in (30 cm)	
Package 2 Length	15.75 in (40 cm)	
Package 2 Weight	8.17 lb(US) (3.706 kg)	

## **Contractual warranty**

Warranty 18 months

### Sustainability Green Premium\*

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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 >





Transparency RoHS/REACh

#### Well-being performance

<b>②</b>	Toxic Heavy Metal Free	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

#### **Certifications & Standards**

REACh Declaration
Compliant
EU RoHS Declaration
China RoHS declaration
Pro-active China RoHS declaration (out of China RoHS legal scope)
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
End of Life Information
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