# **Product data sheet**

Specification





# TeSys Deca thermal overload relays - 5.5...8 A - class 10A

LR3D12

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	LC1D38
	LC1D09
	LC1D32
	LC1D18
	LC1D25
	LC1D12
Network Type	AC
	DC
Thermal Overload Class	Class 10A IEC 60947-4-1
Thermal Protection Adjustment Range	5.58 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
[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

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 in <sup>2</sup> (1.510 mm <sup>2</sup> ) 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	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)
Depth	2.76 in (70 mm)
Net Weight	0.27 lb(US) (0.124 kg)

### **Environment**

Climatic Withstand	IACS E10
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	3389110346961
Returnability	Yes
Country Of Origin	FR

## **Packing Units**

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Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.97 in (5.000 cm)
Package 1 Width	3.03 in (7.700 cm)
Package 1 Length	3.46 in (8.800 cm)
Package 1 Weight	4.97 oz (141.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	24
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	8.12 lb(US) (3.682 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	192
Package 3 Height	17.72 in (45.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	87.08 lb(US) (39.500 kg)

## **Contractual warranty**

Warranty 18 months

## Sustainability Screen 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

✓ Toxic Heavy Metal Free
 ✓ Mercury Free
 ✓ Rohs Exemption Information

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
	Pro-active China RoHS declaration (out of China RoHS legal scope)
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

Jun 7, 2024