

# Product data sheet

Specifications



## TeSys Deca thermal overload relays , 12...18A , class 20

LRD1521

Product availability: Stock - Normally stocked in distribution facility

Price\*: 62.00 USD

### 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	LC1D25 LC1D18 LC1D32
Network Type	DC AC
Thermal Overload Class	Class 20 IEC 60947-4-1
Thermal Protection Adjustment Range	12...18 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 I <sub>r</sub> IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[I <sub>th</sub> ] Conventional Free Air Thermal Current	5 A signalling circuit
Permissible Current	1.5 A 240 V AC-15 signalling circuit 0.1 A 250 V DC-13 signalling circuit
[U <sub>e</sub> ] 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
[U <sub>imp</sub> ] Rated Impulse Withstand Voltage	6 kV
Phase Failure Sensitivity	Tripping current 130 % of I <sub>r</sub> 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.

<b>Connections - Terminals</b>	Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) solid without cable end Power circuit screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1.5...10 mm <sup>2</sup> ) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) solid without cable end
<b>Tightening Torque</b>	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 16.37 lbf.in (1.85 N.m) screw clamp terminals
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	3.62 in (92 mm)
<b>Net Weight</b>	0.42 lb(US) (0.19 kg)

## Environment

<b>Climatic Withstand</b>	IACS E10
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Ambient Air Temperature For Operation</b>	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
<b>Ambient Air Temperature For Storage</b>	-76...158 °F (-60...70 °C)
<b>Fire Resistance</b>	1562 °F (850 °C) IEC 60695-2-1
<b>Flame Retardance</b>	V1 conforming to UL 94
<b>Mechanical Robustness</b>	Vibrations6 Gn IEC 60068-2-6 Shocks15 Gn for 11 ms IEC 60068-2-7
<b>Dielectric Strength</b>	1.89 kV 50 Hz IEC 60947-1
<b>Standards</b>	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
<b>Product Certifications</b>	IEC UL CSA EAC DNV-GL LROS (Lloyds register of shipping) UKCA

## Ordering and shipping details

<b>Category</b>	US101222347
<b>Discount Schedule</b>	0112
<b>Gtin</b>	3389110146745
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	US

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	3.03 in (7.700 cm)

<b>Package 1 Width</b>	3.78 in (9.600 cm)
<b>Package 1 Length</b>	2.05 in (5.200 cm)
<b>Package 1 Weight</b>	8.11 oz (230.000 g)
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	25
<b>Package 2 Height</b>	5.91 in (15.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	13.63 lb(US) (6.182 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

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**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](#)

Circularity Profile [End of Life Information](#)