

# Product data sheet

Specifications



## TeSys Deca thermal overload relays, 48...65A, class 20

LR3D3559

Product availability: Stock - Normally stocked in distribution facility

Price\*: 107.00 USD

### Main

Range	TeSys
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	LC1D95 LC1D80
Network type	AC DC
Thermal overload class	Class 20 IEC 60947-4-1
Thermal protection adjustment range	48...65 A
[U] rated insulation voltage	Power circuit 1000 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V UL

### 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
[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 IEC 60947-1
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>	Power circuit screw clamp terminals 1 0.006...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) flexible without cable end Power circuit screw clamp terminals 1 0.006...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) flexible with cable end Power circuit screw clamp terminals 1 0.006...0.05 in <sup>2</sup> (4...35 mm <sup>2</sup> ) solid without cable end Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in <sup>2</sup> (1...2.5 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 79.7 lbf.in (9 N.m) screw clamp terminals
<b>Width</b>	3.0 in (75 mm)
<b>Depth</b>	4.8 in (121 mm)
<b>Net Weight</b>	1.179 lb(US) (0.535 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>Flame retardance</b>	V1 conforming to UL 94
<b>Mechanical robustness</b>	Vibrations 6 Gn IEC 60068-2-6 Shocks 15 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 GB/T 14048.4 GB/T 14048.5
<b>Product Certifications</b>	IEC UL CSA CCC EAC BV DNV-GL LROS (Lloyds register of shipping) UKCA

## Ordering and shipping details

<b>Category</b>	US10I1222347
<b>Discount Schedule</b>	0112
<b>GTIN</b>	3606485335858
<b>Returnability</b>	Yes
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

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<b>Package 1 Height</b>	3.0 in (7.5 cm)
<b>Package 1 Width</b>	3.3 in (8.5 cm)
<b>Package 1 Length</b>	4.7 in (12.0 cm)
<b>Package 1 Weight</b>	18.7 oz (530.0 g)

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## **Contractual warranty**

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<b>Warranty</b>	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 >](#)



Transparency RoHS/REACH

## Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

<b>Reach Regulation</b>	<a href="#">REACH Declaration</a>
<b>Eu Rohs Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>China Rohs Regulation</b>	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Weee</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>California Proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>