

# Product data sheet

Specifications



## TeSys Deca, thermal overload relay, 5.5 to 8 A, class 10A

LRD12

**Product availability : Stock - Normally stocked in distribution facility**

**Price\* : 62.00 USD**

### Main

<b>Range</b>	TeSys TeSys Deca
<b>Product name</b>	TeSys LRD TeSys Deca
<b>Product or Component Type</b>	Differential thermal overload relay
<b>Device short name</b>	LRD
<b>Relay application</b>	Motor protection
<b>Product Compatibility</b>	LC1D18 LC1D25 LC1D32 LC1D12 LC1D09 LC1D38
<b>Network type</b>	DC AC
<b>Thermal overload class</b>	Class 10A IEC 60947-4-1
<b>Thermal protection adjustment range</b>	5.5...8 A
<b>[Ui] rated insulation voltage</b>	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 690 V IEC 60947-4-1

### Complementary

<b>Network Frequency</b>	0...400 Hz
<b>Mounting support</b>	Plate, with specific accessories Rail, with specific accessories Under contactor
<b>Tripping threshold</b>	1.14 +/- 0.06 Ir IEC 60947-4-1
<b>Auxiliary contact composition</b>	1 NO + 1 NC
<b>[Ith] conventional free air thermal current</b>	5 A signalling circuit
<b>Permissible current</b>	1.5 A 240 V AC-15 signalling circuit 0.1 A 250 V DC-13 signalling circuit
<b>[Ue] rated operational voltage</b>	690 V AC 0...400 Hz power circuit IEC 60947-4-1
<b>Associated fuse rating</b>	4 A gG signalling circuit 4 A BS signalling circuit

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

<b>[Uimp] rated impulse withstand voltage</b>	6 kV
<b>Phase failure sensitivity</b>	Tripping current 130 % of Ir on two phase, the last one at 0
<b>Control type</b>	Red push-button stop Blue push-button reset
<b>Temperature compensation</b>	-4...140 °F (-20...60 °C)
<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 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
<b>Tightening torque</b>	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
<b>Height</b>	2.60 in (66 mm)
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	2.76 in (70 mm)
<b>Product Weight</b>	0.27 lb(US) (0.124 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 EN 50495
<b>Product Certifications</b>	IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA

## Ordering and shipping details

<b>Category</b>	22347-CONTACTOR,D-LINE,OVERLOADS-NEW
<b>Discount Schedule</b>	112
<b>GTIN</b>	3389110346800
<b>Returnability</b>	Yes
<b>Country of origin</b>	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.97 in (5 cm)
Package 1 Width	3.11 in (7.9 cm)
Package 1 Length	3.54 in (9 cm)
Package 1 Weight	5.01 oz (142 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	8.73 lb(US) (3.959 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Height	31.50 in (80 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)
Package 3 Weight	153.31 lb(US) (69.54 kg)

## Offer Sustainability

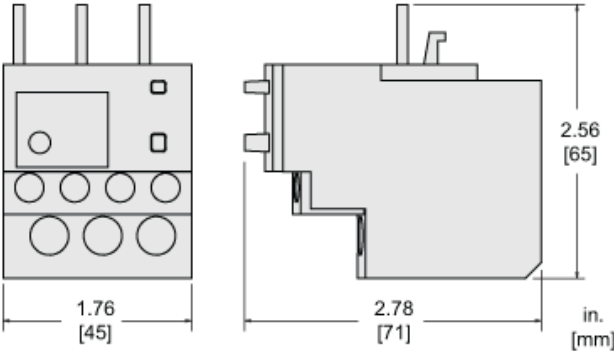
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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**Approximate Dimensions**

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**Recommended replacement(s)**