

Product data sheet

Specifications



TeSys Deca, thermal overload relay, 48 to 65 A, class 10A, for LC1D80 and LC1D95

LRD3359

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	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product Compatibility	LC1D80 LC1D95
Network type	AC DC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	48...65 A
[Ui] 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 Ir IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A signalling circuit
Permissible current	0.72 A 500 V AC-15 signalling circuit 0.06 A 440 V DC-13 signalling circuit
[Ue] rated operational voltage	1000 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
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1
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
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.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connections - terminals	Power circuit screw clamp terminals 1 0.006...0.05 in² (4...35 mm²) flexible without cable end Power circuit screw clamp terminals 1 0.006...0.05 in² (4...35 mm²) flexible with cable end Power circuit screw clamp terminals 1 0.006...0.05 in² (4...35 mm²) solid without cable end Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) solid without cable end
Tightening torque	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
Height	3.2 in (81 mm)
Width	2.8 in (70 mm)
Depth	4.5 in (115 mm)
Net Weight	1.12 lb(US) (0.51 kg)

Environment

Climatic withstand	IACS E10
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
Ambient Air Temperature for Storage	-76...158 °F (-60...70 °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	2.2 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 ATEX INERIS UKCA

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
GTIN	3389110519976
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	3.150 in (8.000 cm)
Package 1 Width	4.724 in (12.000 cm)
Package 1 Length	3.346 in (8.500 cm)
Package 1 Weight	17.284 oz (490.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	13.713 lb(US) (6.220 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	192
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	242.200 lb(US) (109.860 kg)

Contractual warranty

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

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
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