Product data sheet

Specifications

Green Premium™

TeSys Deca thermal overload relays - 48...65 A - class 10A

LRD3656

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 107.00 USD

Main

Range	TeSys TeSys Deca
Product name	TeSys LRD TeSys Deca
Product or Component Type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product Compatibility	LC1D50A LC1D65A
Network type	DC AC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	48…65 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 Ir IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A signalling circuit
Permissible current	0.95 A 380 V AC-15 signalling circuit 0.06 A 440 V DC-13 signalling circuit
[Ue] 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
[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
Temperature compensation	-4…140 °F (-20…60 °C)
Connection pitch	0.7 in (17.5 mm)

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

Connections - terminals	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
	Power circuit lugs-ring terminals
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals
	Power circuit 53.1 lbf.in (6 N.m) lugs-ring terminals M6
Height	2.8 in (70 mm)
Width	2.2 in (55 mm)
Depth	4.8 in (123 mm)
Net Weight	0.827 lb(US) (0.375 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	Shocks15 Gn for 11 ms IEC 60068-2-7
	Vibrations4 gn IEC 60068-2-6
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
	DNV-GL
	RMRS
	EU-RO MR
	LROS (Lloyds register of shipping)
	ATEX INERIS
	UKCA

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
GTIN	3389119215794
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

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Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	4.3 in (11 cm)
Package 1 Length	5.5 in (14 cm)
Package 1 Weight	13.0 oz (368 g)
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	11.550 lb(US) (5.239 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	104
Package 3 Height	30.3 in (77 cm)
Package 3 Width	31.5 in (80 cm)
Package 3 Length	23.6 in (60 cm)
Package 3 Weight	115.04 lb(US) (52.18 kg)

Contractual warranty

Warranty	18 months

Sustainability ![Green Premium]

Green Premium^{TM} 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_2 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

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