

Product data sheet

Specifications



TeSys Deca thermal overload relays - 0.63...1 A - class 20

LRD05L

Product availability : Stock - Normally stocked in distribution facility

Price* : 69.00 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	LC1D12 LC1D25 LC1D18 LC1D38 LC1D09 LC1D32
Network type	DC AC
Thermal overload class	Class 20 IEC 60947-4-1
Thermal protection adjustment range	0.63...1 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	3 A 120 V AC-15 signalling circuit 0.22 A 125 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 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.

[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)
Connections - terminals	Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²) solid without cable end Power circuit screw clamp terminals 1 0.00...0.02 in² (1.5...10 mm²) flexible without cable end Power circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²) flexible with cable end Power circuit screw clamp terminals 1 0.00...0.01 in² (1...6 mm²) solid without cable end
Tightening torque	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
Height	2.60 in (66 mm)
Width	1.77 in (45 mm)
Depth	2.99 in (76 mm)
Net Weight	0.32 lb(US) (0.144 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)
Mechanical robustness	Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations3 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 EN 50495
Product Certifications	IEC UL CSA EAC ABS ATEX INERIS UKCA

Ordering and shipping details

Category	22347-CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	3606480609534
Returnability	Yes
Country of origin	TH

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.27 in (8.3 cm)
Package 1 Width	2.83 in (7.2 cm)

Package 1 Length	1.77 in (4.5 cm)
Package 1 Weight	5.08 oz (144.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	12
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	5.91 in (15.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	3.81 lb(US) (1.728 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Height	39.37 in (100 cm)
Package 3 Width	49.21 in (125 cm)
Package 3 Length	21.65 in (55 cm)
Package 3 Weight	177.02 lb(US) (80.296 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 www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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
----------	-----------

Recommended replacement(s)