

Product data sheet

Characteristics

LRD07

TeSys Deca, thermal overload relay, 1.6 to 2.5 A, class 10A

Product availability: Stock - Normally stocked in distribution facility

Price*: 96.23 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	LC1D18 LC1D38 LC1D32 LC1D25 LC1D12 LC1D09
Network type	DC AC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	1.6...2.5 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 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)
Connections - terminals	Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible without-cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in ² (1...2.5 mm ²) solid without-cable end Power circuit screw clamp terminals 1 0.002...0.02 in ² (1.5...10 mm ²) flexible without-cable end Power circuit screw clamp terminals 1 0.002...0.006 in ² (1...4 mm ²) flexible with cable end Power circuit screw clamp terminals 1 0.002...0.009 in ² (1...6 mm ²) 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	2.6 In (66 mm)
Width	1.8 In (45 mm)
Depth	2.8 In (70 mm)
Net Weight	0.273 Lb(US) (0.124 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	Vibrations 6 Gn IEC 60068-2-6 Shocks 15 Gn for 11 ms IEC 60068-2-7
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[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]BV[RETURN]RINA[RETURN]DNV-GL[RETURN]LROS (Lloyds register of shipping)[RETURN]ATEX INERIS[RETURN]UKCA

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
GTIN	3389110346770
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.46 In (8.800 cm)
Package 1 Width	3.03 In (7.700 cm)
Package 1 Length	1.93 In (4.900 cm)
Package weight(Lbs)	4.868 Oz (138.000 g)

Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	5.91 In (15.000 cm)
Package 2 Width	11.81 In (30.000 cm)
Package 2 Length	15.75 In (40.000 cm)
Package 2 Weight	8.053 Lb(US) (3.653 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	384
Package 3 Height	29.53 In (75.000 cm)
Package 3 Width	23.62 In (60.000 cm)
Package 3 Length	31.50 In (80.000 cm)
Package 3 Weight	160.556 Lb(US) (72.827 kg)

Environmental data

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
Total lifecycle Carbon footprint	13 kg CO2 eq.
Carbon footprint of the manufacturing-phase [A1 to A3]	1.203130904536342
Carbon footprint of the manufacturing-phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.024163479198025903
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	11.633004615445152
REACH free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	12 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
RoHS exemption information	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.011197131005326143
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint (kg CO2 eq, Total Life cycle)	13
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant EU RoHS Declaration
REACH Regulation	REACH Declaration
SCIP Number	224fb0ea-2bc1-482e-b6b4-c1bdd9779659
Circularity Profile	End Of Life Information
Take-back	No
WEEE Label	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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Product Life Status : **Commercialised**