



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	LC1D150
Network type	DC AC
Thermal overload class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	110...140 A
[Ui] rated insulation voltage	Power circuit 1000 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	0.06 A 440 V DC-13 signalling circuit 0.12 A 600 V AC-15 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)
Connections - terminals	Power circuit screw clamp terminals 1 0.01...0.05 in ² (4...35 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end Power circuit screw clamp terminals 1 0.01...0.08 in ² (4...50 mm ²) flexible without cable end Power circuit screw clamp terminals 1 0.01...0.08 in ² (4...50 mm ²) solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 79.66 lbf.in (9 N.m) screw clamp terminals
Depth	5.20 in (132 mm)
Net Weight	1.98 lb(US) (0.9 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 GB/T 14048.4 GB/T 14048.5 EN 50495
Product Certifications	IEC[RETURN]CCC[RETURN]EAC[RETURN]ATEX INERIS

Ordering and shipping details


Category	US10I1222347
Discount Schedule	0I12
GTIN	3389110523355
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.43 in (13.800 cm)
Package 1 Width	4.13 in (10.500 cm)
Package 1 Length	6.10 in (15.500 cm)
Package 1 Weight	29.38 oz (833.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	19.48 lb(US) (8.835 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	80
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	171.26 lb(US) (77.680 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
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration

RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
Contractual warranty	
Warranty	18 months