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Product data sheet
Characteristics

LRD340
TeSys LRD, thermal overload relay, 30 to 40 A, class 10A, EVERLINK



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	LC1D65A LC1D50A LC1D40A
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	30…40 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 conforming to IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A for signalling circuit
Permissible current	0.95 A at 380 V AC-15 for 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 signalling circuit 4 A BS 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 0.00…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 EverLink BTR screw connectors 1 0.00…0.05 in² (1…35 mm²) flexible without cable end Power circuit EverLink BTR screw connectors 1 0.00…0.05 in² (1…35 mm²) flexible with cable end Power circuit EverLink BTR screw connectors 1 0.00…0.05 in² (1…35 mm²) solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 44.25 lbf.in (5 N.m) EverLink BTR screw connectors
Height	2.76 in (70 mm)
Maximum Width	2.17 in (55 mm)
Depth	4.84 in (123 mm)
Net Weight	0.83 lb(US) (0.375 kg)

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Environment

Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20…60 °C without derating conforming to 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

Ordering and shipping details

Category	22347 - CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	00785901811664
Nbr. of units in pkg.	1
Package weight(Lbs)	0.88 lb(US) (0.40 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.52 in (6.4 cm)
Package 1 width	4.09 in (10.4 cm)
Package 1 Length	5.35 in (13.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Weight	12.14 lb(US) (5.506 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	208
Package 3 Weight	212.96 lb(US) (96.596 kg)
Package 3 Height	30.31 in (77 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months