Product data sheet
Characteristics

LR3D10L6
TeSys LRD thermal overload relays - 4...6 A - class 20



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Non differential thermal overload relay
Device short name	LR3D
Relay application	Motor protection
Product compatibility	LC1D09 LC1D25 LC1D12 LC1D32 LC1D18 LC1D38
Network type	AC DC
Thermal protection adjustment range	4…6 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
[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
Associated fuse rating	16 A BS88 8 A aM 16 A gG
[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 lugs-ring terminals
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 20.36 lbf.in (2.3 N.m) lugs-ring terminals M4
Maximum Width	1.77 in (45 mm)
Maximum Depth	3.00 in (76.1 mm)
Net Weight	0.32 lb(US) (0.144 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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Environment

Protective treatment	TH IEC 60068
IP degree of protection	IP20 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	6 kV 50 Hz IEC 60255-5
Standards	EN 60947-5-1 EN 60947-4-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-4-1 ATEX D 94/9/CE UL 508
Product certifications	EAC UL ATEX INERIS CSA ABS

Ordering and shipping details

Category	22347 - CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	00785901891505
Nbr. of units in pkg.	1
Package weight(Lbs)	0.32 lb(US) (0.15 kg)
Returnability	No
Country of origin	TH

Packing Units

Unit Type of Package 1	PCE
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)

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 Carcinogen harm. 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
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.