Product data sheet
Characteristics

LRD046
TeSys LRD thermal overload relays - 0.4...0.63 A - class 10A

Product availability : Stock - Normally stocked in distribution facility

Price* : 60.00 USD



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	LC1D09 LC1D12 LC1D18 LC1D25 LC1D32 LC1D38
Network type	AC DC
Overload tripping class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	0.4...0.63 A
[Ui] rated insulation voltage	600 V power circuit conforming to CSA 600 V power circuit conforming to UL 690 V power circuit conforming to 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
[Ith] conventional free air thermal current	5 A for signalling circuit
Permissible current	3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 for signalling circuit

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

System Voltage	690 V AC 0...400 Hz
[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 for reset mode
Temperature compensation	-4...140 °F (-20...60 °C)
Connection pitch	0.57 in (14.5 mm)
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 0...0 in² (1...2.5 mm²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0 in² (1...2.5 mm²) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable(s) 0...0 in² (1...2.5 mm²) - cable stiffness: solid - without cable end Power circuit: lugs-ring terminals
Tightening torque	Control circuit: 15.04 lbf.in (1.7 N.m) - on screw clamp terminals Power circuit: 20.35 lbf.in (2.3 N.m) - on lugs-ring terminals screw : M4
Width	1.77 in (45 mm)
Depth	2.76 in (70 mm)
Product weight	0.27 lb(US) (0.124 kg)

Environment

Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-4...140 °F (-20...60 °C) without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-76...158 °F (-60...70 °C)
Fire resistance	1562 °F (850 °C) conforming to IEC 60695-2-1
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	6 kVat 50 Hz conforming to IEC 60255-5
Standards	ATEX D 94/9/CE EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	ATEX INERIS BV CCC CSA DNV GL GOST RINA UL LROS

Ordering and shipping details

Category	22347 - CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	00785901961512
Nbr. of units in pkg.	1
Package weight(Lbs)	0.33000000000000002
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product

RoHS (date code: YYWW)	Compliant - since 0643 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months