

Product datasheet

Characteristics

LR3D3656

TeSys LRD thermal overload relays - 48...65 A - class 10A

Price* : 99.46 GBP



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	LC1D50A LC1D65A
Network type	DC AC
Thermal protection adjustment range	48...65 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

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

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	0.95 A at 380 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit
[Ue] rated operational 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	-20...60 °C
Connection pitch	17.5 mm
Connections - terminals	Power circuit : lugs-ring terminals Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible without cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end

Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² solid without cable end

Tightening torque	Control circuit : 1.7 N.m on screw clamp terminals Power circuit : 6 N.m on lugs-ring terminals screw : M6
Height	70 mm
Width	55 mm
Depth	123 mm
Product weight	0.375 kg

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	-60...70 °C
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Shocks 15 Gn for 11 ms IEC 60068-2-7 Vibrations 4 gn IEC 60068-2-6
Dielectric strength	6 kV at 50 Hz conforming to IEC 60255-5
Standards	EN 60947-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-4-1 UL 508 ATEX D 94/9/CE EN 60947-4-1
Product certifications	DNV UL CCC GOST BV RINA GL ATEX INERIS CSA LROS (Lloyds register of shipping)

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0501 - 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 end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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