Product datasheet





TeSys LRD thermal overload relays - 23...32 A - class 20

LR2D3553

Main

Range	TeSys	
Product Name	TeSys LRD TeSys Deca	
Product Or Component Type	Differential thermal overload relay	
Device Short Name	LR2D	
Relay Application	Motor protection	
Product Compatibility	LC1D95 LC1D80	
Network Type	AC DC	
Thermal Overload Class	Class 20 conforming to IEC 60947-4-1	
Thermal Protection Adjustment Range	2332 A	
[Ui] Rated Insulation Voltage	Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL Power circuit: 690 V conforming to IEC 60947-4-1	

Complementary

Network Frequency	0400 Hz	
Mounting Support	Plate, with specific accessories	
	Rail, with specific accessories	
	Under contactor	
Tripping Threshold	old 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	0.72 A at 500 V AC-15 for signalling circuit	
	0.06 A at 440 V DC-13 for signalling circuit	
[Ue] Rated Operational Voltage	1000 V AC 0400 Hz for power circuit conforming to 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	
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	-2060 °C	

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Connections - Terminals	Power circuit: screw clamp terminals 1 cable(s) 435 mm² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 435 mm² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 435 mm² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² solid without cable end	
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals	
Height	100 mm	
Width	75 mm	
Depth	121 mm	
Net Weight	0.535 kg	

Environment

Climatic Withstand	conforming to IACS E10	
Ip Degree Of Protection	IP20 conforming to IEC 60529	
Ambient Air Temperature For Operation		
Ambient Air Temperature For Storage	-6070 °C	
Flame Retardance	V1 conforming to UL 94	
Mechanical Robustness	Vibrations: 6 Gn conforming to IEC 60068-2-6 Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7	
Dielectric Strength	2.2 kV at 50 Hz conforming to 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	
Product Certifications	IEC UL CSA EAC DNV-GL LROS (Lloyds register of shipping) UKCA	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.8 cm
Package 1 Width	8.5 cm
Package 1 Length	11.8 cm
Package 1 Weight	513.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	12
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.501 kg

Contractual warranty

Warranty

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12 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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
Circularity Profile	End of Life Information