Product datasheet

Specification





TeSys LRD thermal overload relays - 16...24 A - class 10A

Local distributor code: 381828888

31828888 LR3D22

EAN Code: 3389110347012

Main

Range	TeSys TeSys Deca	
Product Name	TeSys LRD TeSys Deca	
Product Or Component Type	Non differential thermal overload relay	
Device Short Name	LR3D	
Relay Application	Motor protection	
Product Compatibility	LC1D25 LC1D32 LC1D38	
Network Type	AC DC	
Thermal Overload Class	Class 10A conforming to IEC 60947-4-1	
Thermal Protection Adjustment Range	1624 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

Joinpromontar y	
Network Frequency	0400 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	1.5 A at 240 V AC-15 for signalling circuit 0.1 A at 250 V DC-13 for signalling circuit
[Ue] Rated Operational Voltage	690 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

Connections - Terminals	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
	Power circuit: screw clamp terminals 1 cable(s) 1.510 mm² flexible without cable end
	Power circuit: screw clamp terminals 1 cable(s) 16 mm² flexible with cable end
	Power circuit: screw clamp terminals 1 cable(s) 1.510 mm² solid without cable end
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals
	Power circuit: 2.5 N.m - on screw clamp terminals
Height	66 mm
Width	45 mm
Depth	70 mm
Net Weight	0.124 kg

Environment

Climatic Withstand	conforming to IACS E10	
Ip Degree Of Protection	IP20 conforming to IEC 60529	
Ambient Air Temperature For Operation	-2060 °C without derating conforming to IEC 60947-4-1	
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	1.89 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 GB/T 14048.4 GB/T 14048.5 EN 50495	
Product Certifications	IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	7.800 cm
Package 1 Length	8.900 cm
Package 1 Weight	141.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	24

Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.722 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	192
Package 3 Height	45.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	37.776 kg

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

✓ Toxic Heavy Metal Free
 ✓ Mercury Free
 ✓ Rohs Exemption Information

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