Specifications





Thermal overload relay,TeSys Deca,95-120A,class 10A,motor protection

LRD33676

Main

Range	TeSys	
Product name	TeSys LRD TeSys Deca	
product or component type	Differential thermal overload relay	
Device short name	LRD	
Relay application	Motor protection	
Product compatibility	LC1D150 LC1D115	
Network type	AC DC	
Thermal overload class	Class 10A conforming to IEC 60947-4-1	
Thermal protection adjustment range	95120 A	
[Ui] rated insulation voltage	Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL Power circuit: 750 V conforming to IEC 60947-4-1	

Complementary

Network frequency	0400 Hz
Mounting support	Plate
	Rail
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	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

Connections - terminals	Power circuit: screw clamp terminals 1 cable(s) 435 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 435 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 435 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals
Height	123 mm
net weight	1 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	2.2 kV at 50 Hz conforming to IEC 60947-1	
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-5-1 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 ATEX INERIS UKCA	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.000 cm
Package 1 Width	14.000 cm
Package 1 Length	20.500 cm
Package 1 Weight	1.017 kg
Unit Type of Package 2	S02
Number of Units in Package 2	3
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.295 kg
Unit Type of Package 3	P06

Number of Units in Package 3	48
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	60.720 kg

Contractual warranty

Warranty

18 months

Sustainability Screen 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

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
Circularity Profile	End of Life Information