



TeSys Deca thermal overload relays - 17...25 A - class 10A

LR3D3253

- ! Discontinued on: 1 Jan 2008
- ! End-of-service on: 10 Oct 2020

① Discontinued

Main

Range	TeSys	
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	LC1D40A LC1D50A LC1D65A	
Network type	AC DC	
Thermal overload class	Class 10A conforming to IEC 60947-4-1	
Thermal protection adjustment range	1725 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	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	0.95 A at 380 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit	
[Ue] rated operational voltage	onal 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	
emperature compensation -2060 °C		

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Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm² flexible without cable end	
Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm² flexible with cable end	
Power circuit: EverLink BTR screw connectors 1 cable(s) 135 mm² solid without cable end	
Control circuit: spring terminals 1 cable(s) 12.5 mm ² solid without cable end	
Control circuit: spring terminals 1 cable(s) 12.5 mm² flexible without cable end	
Power circuit: 5 N.m - on EverLink BTR screw connectors	
70 mm	
55 mm	
123 mm	
eight 0.375 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	Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 4 gn conforming to IEC 60068-2-6	
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	
Product certifications	IEC UL CSA CCC EAC DNV-GL RMRS EU-RO MR LROS (Lloyds register of shipping)	

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

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

Certifications & Standards

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