Product datasheet





TeSys Deca thermal overload relays - 12...18 A - class 20

LR3D21L6

! Discontinued on: 19 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	LC1D32 LC1D25 LC1D18 LC1D38	
Network type	AC DC	
Thermal overload class	Class 20 conforming to IEC 60947-4-1	
Thermal protection adjustment range	1218 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	3 A at 120 V AC-15 for signalling circuit	
	0.22 A at 125 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	

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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: lugs-ring terminals	
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 2.3 N.m - on lugs-ring terminals M4	
Height	66 mm	
Width	45 mm	
Depth	76 mm	
Net weight	0.144 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
Mechanical robustness	Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 3 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 EN 50495
Product certifications	IEC UL CSA EAC ABS ATEX INERIS

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.3 cm
Package 1 Width	7.2 cm
Package 1 Length	4.5 cm
Package 1 Weight	144 g

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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