



LR3D365

TeSys LRD thermal overload relays - 48...65 A - class 10A



[Download your LR3D365 datasheet](#)

[Characteristics](#) | [Documents & Downloads](#)

Main

Hide

Range	TeSys
Product name	TeSys LRD
Product or component type	Non differential thermal overload relay
Device short name	LR3D
Relay application	Motor protection
Product compatibility	LC1D50A LC1D65A
Network type	AC DC
Overload tripping class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	48...65 A
[Ui] rated insulation voltage	600 V power circuit conforming to CSA 600 V power circuit conforming to UL 690 V power circuit conforming to IEC 60947-4-1

Complementary

Hide

Network frequency	0...400 Hz
Mounting support	Under contactor DIN rail Plate
Tripping threshold	1.14 +/- 0.06 I _r conforming to IEC 60947-4-1
[I_{th}] 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
[U_e] rated operational voltage	690 V AC 0...400 Hz
[U_{imp}] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0
Control type	Red push-button stop Blue push-button for reset mode
Temperature compensation	-20...60 °C
Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: solid - without cable end Power circuit : EverLink BTR screw connectors 1 cable(s) 1...35 mm ² - cable stiffness: flexible - without cable end Power circuit : EverLink BTR screw connectors 1 cable(s) 1...35 mm ² - cable stiffness: flexible - with cable end Power circuit : EverLink BTR screw connectors 1 cable(s) 1...35 mm ² - cable stiffness: solid - without cable end
Tightening torque	Control circuit : 1.7 N.m - on screw clamp terminals Power circuit : 5 N.m - on EverLink BTR screw connectors

Height	70 mm
Width	55 mm
Depth	123 mm
Product weight	0.375 kg

Environment

 Hide

Standards	ATEX D 94/9/CE EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	ATEX INERIS BV CCC CSA DNV GL GOST RINA UL LROS
Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...60 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60...70 °C
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Shocks 15 Gn for 11 ms IEC 60068-2-7 Vibrations 4 gn IEC 60068-2-6
Dielectric strength	6 kV at 50 Hz conforming to IEC 60255-5

Contractual warranty

 Hide

Period	18 months
---------------	-----------