



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	LC1D09...D38
Thermal protection adjustment range	2.5...4 A

Complementary

Control type	Red push-button: stop Blue push-button: reset
Permissible current	Signalling circuit : 3 A , 120 V AC-15 Signalling circuit : 0.22 A , 125 V DC-15
Thermal overload class	Class 10A (conforming to IEC 60947-4-1)
Tripping threshold	1.14 +/- 0.06 I _r (conforming to IEC 60947-4-1)
Phase failure sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0 (conforming to IEC 60947-4-1)
[U _{imp}] rated impulse withstand voltage	6 kV (conforming to IEC 60801-5)
[I _{th}] conventional free air thermal current	5 A
Mounting support	Plate DIN rail (terminal block) Direct on contactor
Connections - terminals	Control circuit : screw clamp terminals, 1 cable(s) , 1...2.5 mm ² , flexible, without cable end Control circuit : screw clamp terminals, 2 cable(s) , 1...2.5 mm ² , flexible, without cable end Control circuit : screw clamp terminals, 1 cable(s) , 1...2.5 mm ² , flexible, with cable end Control circuit : screw clamp terminals, 2 cable(s) , 1...2.5 mm ² , flexible, with cable end Control circuit : screw clamp terminals, 1 cable(s) , 1...2.5 mm ² , solid, without cable end Control circuit : screw clamp terminals, 2 cable(s) , 1...2.5 mm ² , solid, without cable end Power circuit : screw clamp terminals, 1 cable(s) , 1...4 mm ² , flexible, with cable end Power circuit : screw clamp terminals, 1 cable(s) , 1...6 mm ² , solid, without cable end Power circuit : screw clamp terminals, 1 cable(s) , 1.5...10 mm ² , flexible, without cable end Control circuit : spring terminal, 1 cable(s) , 1...2.5 mm ² , flexible, without cable end

Power circuit : spring terminal, 1 cable(s) , 1.5...4 mm², flexible, without cable end
 Control circuit : spring terminal, 1 cable(s) , 1...2.5 mm², solid, without cable end
 Power circuit : spring terminal, 1 cable(s) , 1.5...4 mm², solid, without cable end

Tightening torque	Control circuit : 1.7 N.m Power circuit : 1.7 N.m
Width	45 mm
Depth	70 mm
Product weight	0.124 kg

Environment

Standards	GB 14048.4 IEC 60947-4-1
Product certifications	CE CCC
IP degree of protection	IP20 (conforming to IEC 60529)
Protective treatment	TH (conforming to IEC 60068)
Ambient air temperature for operation	-20...60 °C, (without derating) (IEC 60947-4-1) -40...70 °C, (with derating)
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	Vibrations: 6 Gn IEC 60068-2-6
Dielectric strength	6 kV at 50 Hz (IEC 60255-5)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Product Life Status

END-OF-SALE NOTICE