

Product datasheet

Specifications



TeSys Deca thermal overload relays - 2.5...4 A - class 10A

LRD08S207

⚠ Discontinued on: 31 Dec 2023

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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	LC1D09 LC1D12 LC1D18 LC1D25 LC1D32 LC1D38
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Signalling function	Relay trip indicator
Thermal protection adjustment range	2.5...4 A
[Ui] rated insulation voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL

Complementary

Network frequency	0...400 Hz
Mounting support	Plate, with specific accessories Rail, with specific accessories Under contactor
Tripping threshold	1.14 +/- 0.06 I _r conforming to IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[I _{th}] conventional free air thermal current	5 A for signalling circuit
Permissible current	3 A at 120 V AC-15 for signalling circuit 1.5 A at 240 V AC-15 for signalling circuit 0.95 A at 380 V AC-15 for signalling circuit 0.72 A at 500 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 for signalling circuit 0.1 A at 250 V DC-13 for signalling circuit
[U _e] rated operational voltage	690 V AC 0...400 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 I _r on two phase, the last one at 0 conforming to IEC 60947-4-1
Control type	Red push-button: stop Blue push-button: reset selector switch: manual or automatic reset
Temperature compensation	-40...60 °C
Connections - terminals	Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible without cable end Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² solid Power circuit: screw clamp terminals 1 cable(s) 1.5...10 mm ² flexible 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
Tightening torque	Signalling circuit: 1.7 N.m Power circuit: 1.7 N.m
Height	66 mm
Width	45 mm
Depth	70 mm
Net weight	0.124 kg

Environment

Climatic withstand	conforming to IACS E10
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-40...60 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60...70 °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	1.89 kV at 50 Hz conforming to IEC 60947-1
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 EN 45545
Product certifications	IEC UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 cm
Package 1 Width	7.8 cm
Package 1 Length	8.9 cm
Package 1 Weight	137.0 g

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

SCIP Number

224fb0ea-2bc1-482e-b6b4-c1bdd9779659

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

[End of Life Information](#)

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins