

Product datasheet

Specifications



TeSys Deca thermal overload relays, 23...32A, class 10A, for use with unbalanced loads

LR3D3353

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	LC1D95 LC1D80
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	23...32 A
[UI] rated insulation voltage	Power circuit: 1000 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	0.72 A at 500 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit
[U _e] rated operational voltage	1000 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
[U _{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
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: reset
Temperature compensation	-20...60 °C

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Connections - terminals	Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² solid 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 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² solid without cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals
Height	81 mm
Width	70 mm
Depth	115 mm
Net weight	0.51 kg

Environment

Climatic withstand	conforming to IACS E10
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
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	2.2 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 EN 50495
Product certifications	IEC UL CSA CCC EAC BV DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.800 cm
Package 1 Width	12.000 cm
Package 1 Length	8.700 cm
Package 1 Weight	522.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Height	30 cm

Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	12.948 kg
Unit Type of Package 3	P06
Number of Units in Package 3	192
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	111.584 kg

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 >](#)



Environmental footprint

Total lifecycle Carbon footprint 11 kg CO2 eq.

Environmental Disclosure [Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant

REACH Regulation [REACH Declaration](#)

Use Longer



Lifetime extension

Repair No

Use Again



Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label



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