

Product data sheet

Specifications



TeSys Deca thermal overload relays - 0.4...0.63 A - class 20

LRD04L6

⚠ To be discontinued on: Aug 15, 2026

Product availability: Non-Stock - Not normally stocked in distribution facility

⚠ To be discontinued

Main

Range	TeSys TeSys Deca
Product name	TeSys LRD TeSys Deca
Product or Component Type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product Compatibility	LC1D32 LC1D18 LC1D09 LC1D12 LC1D38 LC1D25
Network type	DC AC
Thermal overload class	Class 20 IEC 60947-4-1
Thermal protection adjustment range	0.4...0.63 A
[UI] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 690 V IEC 60947-4-1

Complementary

Network Frequency	0...400 Hz
Mounting support	Plate, with specific accessories Rail, with specific accessories Under contactor
Tripping threshold	1.14 +/- 0.06 Ir IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A signalling circuit
Permissible current	3 A 120 V AC-15 signalling circuit 0.22 A 125 V DC-13 signalling circuit
[Ue] rated operational voltage	690 V AC 0...400 Hz power circuit 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Control type	Red push-button stop Blue push-button reset
Temperature compensation	-4...140 °F (-20...60 °C)
Connections - terminals	Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) flexible with cable end Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) solid without cable end Power circuit lugs-ring terminals
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 20.4 lbf.in (2.3 N.m) lugs-ring terminals M4
Height	2.6 in (66 mm)
Width	1.8 in (45 mm)
Depth	3.0 in (76 mm)
Product Weight	0.317 lb(US) (0.144 kg)

Environment

Climatic withstand	IACS E10
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
Ambient Air Temperature for Storage	-76...158 °F (-60...70 °C)
Mechanical robustness	Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations3 GN IEC 60068-2-6
Dielectric strength	1.89 kV 50 Hz 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 UKCA

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
GTIN	3606480609763
Returnability	No
Country of origin	TH

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.3 in (8.3 cm)
Package 1 Width	2.8 in (7.2 cm)

Package 1 Length	1.8 in (4.5 cm)
Package weight(Lbs)	5.08 oz (144.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	2.2 lb(US) (1 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	192
Package 3 Height	29.5 in (75 cm)
Package 3 Width	31.5 in (80 cm)
Package 3 Length	47.2 in (120 cm)
Package 3 Weight	116.069 lb(US) (52.648 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	13 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	12 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 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
SCIP Number	224fb0ea-2bc1-482e-b6b4-c1bdd9779659
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold
California proposition 65	WARNING: Cancer - www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	50
Circularity Profile	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.

Offer Marketing Illustration

Product benefits / Features

TeSys Deca
Thermal Overload Relays



Easy application

Selectable manual, remote or auto reset tripping options for better process management.



Simple to install

Self-powering eliminates the need for an external power supply.



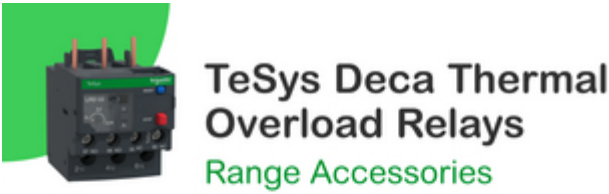
Compatibility

Can be combined with TeSys Deca contactors to form an extremely compact starter



Offer Marketing Illustration

Product benefits / Features



Terminal block



Electrical remote stop



Mechanical remote control



Pre-wiring kit



Manual overload reset push-button

Image of product / Alternate images

Alternative

