

# TeSys Deca thermal overload relays , 12...18A , class 20

LRD1521

Product availability: Stock - Normally stocked in distribution facility

### 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	LC1D25 LC1D18 LC1D32
Network type	DC AC
Thermal overload class	Class 20 IEC 60947-4-1
Thermal protection adjustment range	1218 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	0400 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	1.5 A 240 V AC-15 signalling circuit 0.1 A 250 V DC-13 signalling circuit
[Ue] rated operational voltage	690 V AC 0400 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
Control type	Red push-button stop Blue push-button reset
Temperature compensation	-4140 °F (-2060 °C)

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

Connections - terminals	Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²) flexible without cable end
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	Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²) solid without cable end
	Power circuit screw clamp terminals 1 0.0020.02 in² (1.510 mm²) flexible without cable end
	Power circuit screw clamp terminals 1 0.0020.006 in <sup>2</sup> (14 mm <sup>2</sup> ) flexible with cable end
	Power circuit screw clamp terminals 1 0.0020.009 in $^2$ (16 $\text{mm}^2\text{)}$ solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 16.37 lbf.in (1.85 N.m) screw clamp terminals
Width	1.8 in (45 mm)
Depth	3.6 in (92 mm)
Net Weight	0.42 lb(US) (0.19 kg)

## **Environment**

Climatic withstand	IACS E10	
IP degree of protection	IP20 conforming to IEC 60529	
Ambient air temperature for operation	-4140 °F (-2060 °C) without derating IEC 60947-4-1	
Ambient Air Temperature for Storage	-76158 °F (-6070 °C)	
Fire resistance	1562 °F (850 °C) IEC 60695-2-1	
Flame retardance	V1 conforming to UL 94	
Mechanical robustness	Vibrations6 Gn IEC 60068-2-6 Shocks15 Gn for 11 ms IEC 60068-2-7	
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	
Product Certifications	IEC UL CSA EAC DNV-GL LROS (Lloyds register of shipping) UKCA	

# Ordering and shipping details

Category	US10I1222347
Discount Schedule	0112
GTIN	3389110146745
Returnability	Yes
Country of origin	FR

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3 03 in (7 700 cm)

Package 1 Width	3.78 in (9.600 cm)
Package 1 Length	2.05 in (5.200 cm)
Package 1 Weight	8.113 oz (230.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	25
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	13.629 lb(US) (6.182 kg)

## **Contractual warranty**

Warranty 18 months



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 >

<b>⊘</b> Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	4
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	224fb0ea-2bc1-482e-b6b4-c1bdd9779659
REACh Regulation	REACh Declaration

#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No