Product data sheet

Specification





TeSys Deca thermal overload relays - 37...50 A - class 10A

LR3D3503

Discontinued on: Jul 12, 2021

! Discontinued

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	LC1D50A LC1D65A LC1D40A	
Network Type	AC DC	
Thermal Overload Class	Class 10A IEC 60947-4-1	
Thermal Protection Adjustment Range	nt 3750 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	0.95 A 380 V AC-15 signalling circuit 0.06 A 440 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	Power circuit EverLink BTR screw connectors 1 0.000.05 in² (135 mm²) flexible without cable end	
	Power circuit EverLink BTR screw connectors 1 0.000.05 in ² (135 mm ²) flexible with cable end	
	Power circuit EverLink BTR screw connectors 1 0.000.05 in ² (135 mm ²) solid without cable end	
	Control circuit spring terminals 1 0.000.00 in² (12.5 mm²) solid without cable end Control circuit spring terminals 1 0.000.00 in² (12.5 mm²) flexible without cable end	
Tightening Torque	Power circuit 44.25 lbf.in (5 N.m) EverLink BTR screw connectors	
Height	2.76 in (70 mm)	
Width	2.17 in (55 mm)	
Depth	4.84 in (123 mm)	
Net Weight	0.83 lb(US) (0.375 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)	
Flame Retardance	V1 conforming to UL 94	
Mechanical Robustness	Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations4 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 GB/T 14048.4 GB/T 14048.5	
Product Certifications	IEC UL CSA CCC EAC DNV-GL RMRS EU-RO MR LROS (Lloyds register of shipping)	

Ordering and shipping details

Category	22347-CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	l12
Gtin	3389119215992
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.76 in (7 cm)

Package 1 Width	4.25 in (10.8 cm)
Package 1 Length	5.43 in (13.8 cm)
Package 1 Weight	15.87 oz (450 g)

Contractual warranty

Warranty 18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Compliant
EU RoHS Declaration
China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Product Environmental Profile
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
End of Life Information
WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov