## **Product datasheet**

Specifications



# TeSys LRD thermal overload relays - 30...40 A - class 10A

LRD3355

#### 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	LC1D80 LC1D95	
Network type	DC AC	
Thermal overload class	Class 10A conforming to IEC 60947-4-1	
Thermal protection adjustment range	3040 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	0400 H≥	
Mounting support	Plate, with specific accessories Rail, with specific accessories Under contactor	
Tripping threshold	1.14 +/- 0.06 Ir conforming to IEC 60947-4-1	
Auxiliary contact composition	1 NO + 1 NC	
[Ith] 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	
[Ue] rated operational voltage	1000 V AC 0400 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 conforming to IEC 60947-1	
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	-2060 °C	

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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Connections - terminals	Power circuit: screw clamp terminals 1 cable(s) 435 mm² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 435 mm² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 435 mm² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² 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	
	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	-2060 °C without derating conforming to IEC 60947-4-1	
Ambient air temperature for storage	-6070 °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 ATEX INERIS UKCA	

## **Packing Units**

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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	8.600 cm
Package 1 Weight	498.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm

Package 2 Weight	6.315 kg
Unit Type of Package 3	P06
Number of Units in Package 3	192
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	111.396 kg

### **Contractual warranty**

Warranty 18 months

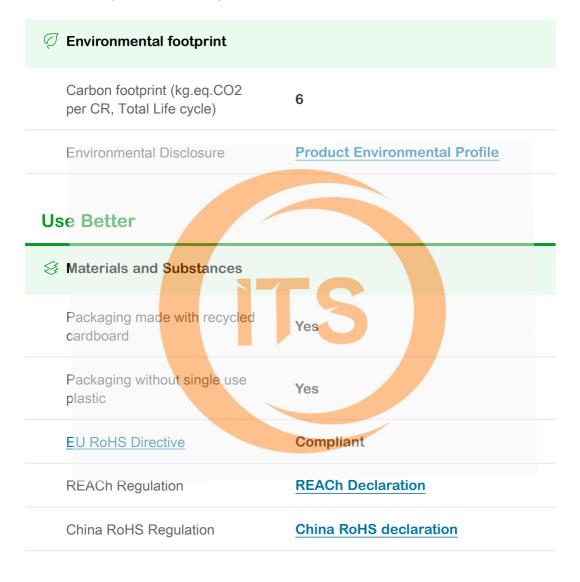




Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >



#### Use Again

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

