Product data sheet
Characteristics

LR9D5367
thermal overload relays, TeSys Deca, 60...100A, class 10



Main

Range	TeSys
Product name	TeSys LRD TeSys Deca
Product or component type	Electronic thermal overload relay
Device short name	LR9D
Relay application	Motor protection
Product compatibility	LC1D115 LC1D150 NSX circuit breaker
Network type	AC
Thermal overload class	Class 10 conforming to IEC 60947-4-1
Signalling function	Alarm
Thermal protection adjustment range	60…100 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	50...60 Hz
[Us] rated supply voltage	24 V DC
Supply voltage limits	17…32 V
Mounting support	Under contactor Rail
Tripping threshold	1.05 +/- 0.06 In alarm conforming to IEC 60947-4-1 1.12 +/- 0.06 In de-energisation conforming to IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A for signalling circuit
[Ue] rated operational voltage	690 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
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-1
Phase failure sensitivity	Tripping in 4 s +/- 20 % conforming to IEC 60947-4-1
Control type	Red push-button: stop Blue push-button: reset
Temperature compensation	-20…60 °C
Switching capacity in mA	0...150 mA
Maximum voltage drop	<2.5 V closed state
Connections - terminals	Power circuit: bars Control circuit: screw clamp terminals 1 cable(s) 0.5…1.5 mm² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 0.5…1.5 mm² flexible without cable end Alarm circuit: screw clamp terminals 1 cable(s) 0.5…1.5 mm² flexible without cable end

Tightening torque	Alarm circuit: 0.45 N.m - on screw clamp terminals Power circuit: 18 N.m - on bars M8 Control circuit: 1.2 N.m - on screw clamp terminals
Height	118 Mm
Width	115 Mm
Depth	125 Mm
Net weight	0.885 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
Operating altitude	<= 2000 m without derating
Mechanical robustness	Vibrations: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks: 13 Gn for 11 ms conforming to IEC 60068-2-7
Dielectric strength	1.89 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
Product certifications	UL[RETURN]CSA[RETURN]CCC[RETURN]UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.000 Cm
Package 1 Width	16.000 Cm
Package 1 Length	13.000 Cm
Package 1 Weight	934.000 G
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	30.000 Cm
Package 2 Width	40.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	11.978 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	48
Package 3 Height	75.000 Cm
Package 3 Width	60.000 Cm
Package 3 Length	80.000 Cm
Package 3 Weight	56.000 Kg

Offer Sustainability

Recyclability potential, in %	92
Total lifecycle Carbon footprint	133 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.300183391790282
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.5885445505961475
Carbon footprint of the distribution phase [A4]	0.6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.11271819735008072
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	126.69793890788517
Carbon footprint of the use phase [B2, B3, B4, B6]	127 kg CO2 eq.

Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.6370650693830773
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	133
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	D5a17874-1166-4927-b008-33d15e304a41
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony tr
PVC free	Yes
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. announced

LR9D5367 may be replaced by any of the following products:



LR9G115

Electronic thermal overload relay,TeSys Giga,28-115 A,class 5E-30E,push-in control connection

Qty 1

Substitution date: |