Product data sheet

Specifications





TeSys LRF - electronic thermal overload relay - 200...330 A - class 20

LR9F7575

! Discontinued on: Jun 30, 2024

① To be discontinued

Product availability: Stock - Normally stocked in distribution facility

Price*: 333.00 USD

Main

Range	TeSys
Product name	TeSys LRF
Device short name	LR9F
Product or Component Type	Electronic thermal overload relay
relay application	Motor protection
Product Compatibility	LC1F225LC1F500
Network type	AC
Thermal overload class	Class 20 IEC 60947-4
Thermal protection adjustment range	200330 A

Complementary

Network Frequency	50/60 Hz
Mounting support	Direct on contactor Plate
Tripping threshold	1.12 +/- 0.06 In tripping IEC 60947-4-1
Surge withstand	4 kV IEC 61000-4-5
Contacts type and composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A control circuit
[Ue] rated operational voltage	1000 V AC 50/60 Hz power circuit VDE 0110 group C
[Ui] rated insulation voltage	Power circuit 1000 V AC IEC 60947-4
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-1
Phase failure sensitivity	Tripping in 4 s +/- 20 % IEC 60947-4-1
Reset	Manual reset on front relay
Control type	Dial White full-load current adjustment Test button Red Push-button Red reset Push-button stop
local signalling	Trip indicator
Temperature compensation	-4158 °F (-2070 °C)
Current consumption	<= 5 mA no-load

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

switching capacity for alarm	0150 mA
Maximum voltage drop	<2.5 V closed state
Connections - terminals	Control circuit screw clamp terminals 1 0.0010.004 in² (0.752.5 mm²) flexible - with cable end Control circuit screw clamp terminals 1 0.0010.004 in² (0.752.5 mm²) solid Control circuit screw clamp terminals 1 0.0010.006 in² (0.754 mm²) flexible - without cable end Control circuit screw clamp terminals 2 0.0020.002 in² (11.5 mm²) flexible - with cable end Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²) flexible - without cable end Control circuit screw clamp terminals 2 0.002 in² (1 mm²) solid Power circuit lugs-ring terminals M10
Tightening torque	Control circuit 1.2 N.m screw clamp terminals Power circuit 35 N.m screw clamp terminals
Height	5.4 in (136.8 mm)
Width	5.9 in (150 mm)
Depth	5.02 in (127.6 mm)
Net Weight	5.11 lb(US) (2.32 kg)

Environment

IEC 60255-8 VDE 0660
IEC 60255-17
EN 60947-4-1
IEC 60947-4-1
CSA
UL
UKCA
тн
IP20 conforming to IEC 60529
IP20 conforming to VDE 0106
-4131 °F (-2055 °C) IEC 60255-8
-40185 °F (-4085 °C)
<= 6561.68 ft (2000 m) without derating
1562 °F (850 °C) IEC 60695-2-1
Shocks13 Gn for 11 ms IEC 60068-2-7
Vibrations 5300 Hz2 GN IEC 60068-2-6
6 kV 50 Hz IEC 255-5
Resistance to electrostatic discharge 6 kV in indirect mode IEC 61000-4-2
Resistance to electrostatic discharge 8 kV in air IEC 61000-4-2
Radiated radio-frequency electromagnetic field immunity test 10 V/m IEC 61000-4-3 Fast transients immunity test 2 kV IEC 61000-4-4

Ordering and shipping details

Category	US10I1222334
Discount Schedule	0112
GTIN	3389110640212
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.8 in (17.2 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package 1 Weight	4.154 lb(US) (1.884 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	15.7 in (40.0 cm)
Package 2 Length	23.6 in (60.0 cm)
Package 2 Weight	26.773 lb(US) (12.144 kg)

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

②	Mercury Free	
	Rohs Exemption Information	Yes
	Pvc Free	

Certifications & Standards

REACh Declaration
Compliant with Exemptions
China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
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