Product datasheet Characteristics

LR9F5371

TeSys LRF - electronic thermal overload relay -132...220 A - class 10

Price*: 252.48 GBP



		.⊆
Range	TeSys	
Product name	TeSys LRF	— laser
Device short name	LR9F	
Product or component type	Electronic thermal overload relay	
Relay application	Motor protection	
Product compatibility	LC1F185LC1F265	
Network type	AC	these
Thermal overload class	Class 10 conforming to IEC 60947-4	- j
Thermal protection adjustment range	132220 A	<u> </u>

Complementary

Network frequency	50/60 Hz
Supply voltage limits	1732 V
Mounting support	Plate Direct on contactor
Tripping threshold	1.12 +/- 0.06 In tripping conforming to IEC 60947-4-1
Surge withstand	4 kV conforming to IEC 61000-4-5
Contacts type and composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A for control circuit
[Ue] rated operational voltage	1000 V AC 50/60 Hz for power circuit conforming to VDE 0110 group C
[Ui] rated insulation voltage	1000 V AC power circuit conforming to IEC 60947-4
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-1
Phase failure sensitivity	Tripping in 4 s +/- 20 % conforming to 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	-2070 °C
Current consumption	<= 5 mA no-load

Switching capacity in mA	0150 mA
Voltage drop	2.5 V closed state
Connections - terminals	Control circuit: screw clamp terminals 1 cable 0.752.5 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 cable 1 mm² - cable stiffness: solid Control circuit: screw clamp terminals 1 cable 0.752.5 mm² - cable stiffness: flexible - with cable end cable end Control circuit: screw clamp terminals 1 cable 0.754 mm² - cable stiffness: flexible - without cable end cable end Control circuit: screw clamp terminals 2 cable 11.5 mm² - cable stiffness: flexible - with cable end cable end Control circuit: screw clamp terminals 2 cable 12.5 mm² - cable stiffness: flexible - without cable end cable end Power circuit: lugs-ring terminals M10
Tightening torque	Control circuit : 1.2 N.m - on screw clamp terminals Power circuit : 35 N.m - on screw clamp terminals
Height	101 mm
Width	115 mm
Depth	123.5 mm
Product weight	0.95 kg
Environment	
Standards	EN 60947-4-1 IEC 60255-8 IEC 60947-4-1 VDE 0660 IEC 60255-17
Product certifications	UL CSA

TH

-40...85 °C

IP20 conforming to VDE 0106 IP20 conforming to IEC 60529

<= 2000 m without derating

-20...55 °C conforming to IEC 60255-8

850 °C conforming to IEC 60695-2-1

6 kV at 50 Hz conforming to IEC 255-5

Contractual warranty

Protective treatment

IP degree of protection

Operating altitude

Dielectric strength

Mechanical robustness

Electromagnetic compatibility

Fire resistance

Ambient air temperature for operation

Ambient air temperature for storage

Contractidal warranty		
Warranty period	18 months	

Fast transients immunity test 2 kV conforming to IEC 61000-4-4

Shocks 13 Gn for 11 ms conforming to IEC 60068-2-7

Vibrations 5...300 Hz 2 Gn conforming to IEC 60068-2-6

Radiated radio-frequency electromagnetic field immunity test 10 V/m conforming to IEC 61000-4-3 Resistance to electrostatic discharge 6 kV in indirect mode conforming to IEC 61000-4-2

Resistance to electrostatic discharge 8 kV in air conforming to IEC 61000-4-2