Product data sheet

Specifications

Green Premium™

Electronic thermal overload relay,TeSys Giga,125-500 A,class 5E-30E,push-in control connection

LR9G500

Product availability: Stock - Normally stocked in distribution facility

Price*: 1,380.00 USD

Main

Range	TeSys
Product Name	TeSys LRG
Product Or Component Type	Electronic thermal overload relay
Device Short Name	LR9G
Relay Application	Motor protection
Network Type	AC
Thermal Overload Class	Class 5E...30E IEC 60947-4-1
Thermal Protection Adjustment Range	125…500 A

Complementary

Network Frequency	30...60 Hz 100 Hz
Overvoltage Category	III
Tripping Threshold	1.125 +/- 0.07 In IEC 60947-4-1
Protection Type	Ground fault protection 0…1 s - alarm circuit IEC 60947-4-1 Ground fault protection 0…1 s - alarm circuit UL 60947-4-1 Phase loss 0…4 s - alarm circuit Phase imbalance 0…5 s - alarm circuit IEC 60947-4-1 Phase imbalance 0…5 s - alarm circuit UL 60947-4-1
Local Signalling	LED Trip indicator
Contacts Type And Composition	1 NO + 1 NC
[Ith] Conventional Free Air Thermal Current	5 A
[Uc] Control Circuit Voltage	24...500 V AC 50/60 Hz 24...250 V DC
[Ue] Rated Operational Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
Reset	Automatic reset Manual
Mechanical Durability	7000 cycles
Surge Withstand	4 kV
Electromagnetic Compatibility	EMC immunity conforming to IEC 60947-4-1 Emission tests criteria A conforming to IEC 60947-4-1 Immunity to radiated radio-electrical interference - test level: 20 V/m conforming to EN/IEC 61000-4-3 Voltage dips and interruptions immunity test conforming to SEMI F47

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: bar - busbar cross section: 32 x 10 mm
	Power circuit: lugs-ring terminals 1 0.37 in² (240 mm²)
	Control circuit: push-in 1 0.00…0.00 in² (0.2…2.5 mm²) - cable stiffness: solid stranded without cable end
	Control circuit: push-in 1 0.00…0.00 in² (0.25…2.5 mm²) - cable stiffness: flexible with cable end
	Control circuit: push-in 2 0.00…0.00 in² (0.5…1.0 mm²) with cable end
Tightening Torque	35 N.m
Mounting Support	Direct on contactor
	Plate
Standards	EN/IEC 60947-4-1
	EN/IEC 60947-5-1
	UL 60947-4-1
	CSA C22.2 No 60947-4-1
	JIS C8201-4-1
	JIS C8201-5-1
Product Certifications	CB Scheme
	CCC
	cULus
	UKCA
	ATEX
	EU-RO-MR by DNV-GL
	EAC

Environment

Ip Degree Of Protection	IP2X front face with shrouds IEC 60529
	IP2X front face with shrouds VDE 0106
Protective Treatment	TH
Ambient Air Temperature For Operation	-13…140 °F (-25…60 °C)
Ambient Air Temperature For Storage	-76…176 °F (-60…80 °C)
Permissible Ambient Air Temperature Around The Device	-40…140 °F (-40…60 °C) at Uc
Adjustment Of Dial Setting	-13…140 °F (-25…60 °C)
Mechanical Robustness	Vibrations 5…300 Hz 6 gn contactor open
	Shocks 15 gn 11 ms contactor closed
Height	4.49 in (114 mm)
Width	5.51 in (140 mm)
Depth	5.51 in (140 mm)
Net Weight	3.42 lb(US) (1.55 kg)
Color	Dark grey

Ordering and shipping details

Category	US10I1222330
Discount Schedule	0I12
Gtin	3606481912565
Returnability	Yes
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.28 in (18.500 cm)

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Package 1 Width	7.48 in (19.000 cm)
Package 1 Length	9.45 in (24.000 cm)
Package 1 Weight	4.64 lb(US) (2.104 kg)
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	10.43 lb(US) (4.733 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	16
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	101.11 lb(US) (45.864 kg)

Sustainability ![Green Premium]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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

✓ Mercury Free

✓ Rohs Exemption Information   Yes

✓ Pvc Free

✓ Halogen Free Plastic Parts Product

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant with Exemptions

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile

Circularity Profile   End of Life Information

California Proposition 65   WARNING: This product can expose you to chemicals including: Nickel (Metallic), which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov