

# Product data sheet

Specifications



## 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.

<b>Connections - Terminals</b>	Power circuit: bar - busbar cross section: 32 x 10 mm Power circuit: lugs-ring terminals 1 0.37 in <sup>2</sup> (240 mm <sup>2</sup> ) Control circuit: push-in 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) - cable stiffness: solid stranded without cable end Control circuit: push-in 1 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Control circuit: push-in 2 0.00...0.00 in <sup>2</sup> (0.5...1.0 mm <sup>2</sup> ) with cable end
<b>Tightening Torque</b>	35 N.m
<b>Mounting Support</b>	Direct on contactor Plate
<b>Standards</b>	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
<b>Product Certifications</b>	CB Scheme CCC cULus UKCA ATEX EU-RO-MR by DNV-GL EAC

## Environment

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

## Ordering and shipping details

<b>Category</b>	22330-TESYS GIGA OVERLOAD RELAYS
<b>Discount Schedule</b>	I12
<b>Gtin</b>	3606481912565
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	CN

## Packing Units

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

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

## Sustainability

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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](http://www.P65Warnings.ca.gov)