



Main

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| 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

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| Network Frequency | 30...60 Hz 100 Hz |
| Oversoltage category | III |
| Tripping threshold | 1.125 +/- 0.07 I _n 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 |
| [I _{th}] conventional free air thermal current | 5 A |
| [U _c] control circuit voltage | 24...500 V AC 50/60 Hz 24...250 V DC |
| [U _e] rated operational voltage | 1000 V AC 50/60 Hz |
| [U _{imp}] rated impulse withstand voltage | 8 kV |
| Reset | Automatic reset Manual |
| Mechanical durability | 7000 cycles |
| Surge withstand | 4 kV |
| Electromagnetic compatibility | EMC immunity IEC 60947-4-1 Emission testscriteria A IEC 60947-4-1 Immunity to radiated radio-electrical interference 20 V/m EN/IEC 61000-4-3 Voltage dips and interruptions immunity test SEMI F47 |
| Connections - terminals | Power circuit bar 32 x 10 mm Power circuit lugs-ring terminals 1 0.37 in ² (240 mm ²) Control circuit push-in 1 0.00...0.00 in ² (0.2...2.5 mm ²) solid stranded without cable end Control circuit push-in 1 0.00...0.00 in ² (0.25...2.5 mm ²) flexible with cable end Control circuit push-in 2 0.00...0.00 in ² (0.5...1.0 mm ²) with cable end |
| Tightening torque | 35 N.m |
| Mounting support | Direct on contactor Plate |

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| 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

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| 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

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|-----------------------|----------------------------------|
| Category | 22330-TESYS GIGA OVERLOAD RELAYS |
| Discount Schedule | I12 |
| GTIN | 3606481912565 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 4.62 lb(US) (2.096 kg) |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 7.48 in (19 cm) |
| Package 1 width | 7.28 in (18.5 cm) |
| Package 1 Length | 9.45 in (24 cm) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 2 |
| Package 2 Weight | 10.43 lb(US) (4.733 kg) |
| Package 2 Height | 11.81 in (30 cm) |
| Package 2 width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| 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 |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| PVC free | Yes |
| Halogen content performance | Halogen free plastic parts product |