

# Product data sheet

## Characteristics

# LX1G4QEHEN

Control module, TeSys Giga, 48-130V AC/DC, for LC1G115-225/4P standard version



### Main

|                              |  |
|------------------------------|--|
| Range                        | TeSys                                    |
| Product or component type    | Contactor coil                           |
| Device short name            | LX1G                                     |
| Poles description            | 4P                                       |
| Range compatibility          | TeSys G LX1G contactor coil              |
| Product compatibility        | LC1G115...225                            |
| [Uc] control circuit voltage | 48...130 V AC/DC 50/60 Hz                |
| Operating time               | 20...35 ms opening<br>40...55 ms closing |
| Mechanical durability        | 5 Mcycles                                |
| Maximum operating rate       | 600 cyc/mn 60 °C                         |

### Complementary

|                                 |   |
|---------------------------------|---|
| Coil technology                 | Built-in bidirectional peak limiting  |
| Control circuit voltage limits  | Operational: 0.8...1.1 Uc (at 60 °C)<br>Drop-out: 0...0.45 Uc (at 60 °C)  |
| Connections - terminals         | Control circuit: push-in termination 1 cable(s) 0.2...2.5 mm <sup>2</sup> solid stranded without cable end sleeve AWG 26...AWG 12<br>Control circuit: push-in termination 1 cable(s) 0.25...2.5 mm <sup>2</sup> flexible with cable end sleeve AWG 24...AWG 14<br>Control circuit: push-in termination 2 cable(s) 0.5...1.0 mm <sup>2</sup> rigid or stranded with cable end sleeve AWG 20...AWG 18 |
| Inrush power in VA              | 630 VA at 120 V AC, 60 Hz   |
| Inrush power in W               | 445.0 W DC  |
| Hold-in power consumption in VA | 15.6 VA at 120 V AC, 60 Hz  |
| Hold-in power consumption in W  | 4.4 W for DC network  |

### Environment

|   |  |
|---|--|
| IP degree of protection                               | IP20 conforming to IEC 60529   |
| Operating altitude                                    | 3000 m without derating<br>5000 m with derating factor   |
| Electromagnetic compatibility                         | EMC immunity conforming to IEC 60947-4-1<br>Emission tests criteria A conforming to IEC 60947-4-1<br>Immunity to radiated radio-electrical interference - test level: 20 V/m conforming to EN/IEC 61000-4-3<br>Voltage dips and interruptions immunity test conforming to SEMI F47 |
| Standards   | EN/IEC 60947-4-1<br>UL 60947-4-1A<br>CSA C22.2 No 60947-4-1  |
| Pollution degree                                      | 3 conforming to IEC 60947-1  |
| Ambient air temperature for operation                 | -25...60 °C  |
| Ambient air temperature for storage                   | -60...80 °C  |
| Permissible ambient air temperature around the device | -40...70 °C at Uc  |
| Height  | 144.5 mm   |
| Width   | 140.7 mm   |
| Depth   | 94.0 mm  |
| Quantity per set                                      | 1  |

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## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 17.0 cm |
| Package 1 Width              | 22.0 cm |
| Package 1 Length             | 22.0 cm |
| Package 1 Weight             | 1.6 kg  |
| Unit Type of Package 2       | S03     |
| Number of Units in Package 2 | 2       |
| Package 2 Height             | 30.0 cm |
| Package 2 Width              | 30.0 cm |
| Package 2 Length             | 40.0 cm |
| Package 2 Weight             | 3.8 kg  |

## Offer Sustainability

|                             |   |
|-----------------------------|---|
| Sustainable offer status    | Green Premium product   |
| REACH Regulation            |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive           | Compliant with Exemptions   |
| Mercury free                | Yes   |
| China RoHS Regulation       |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information  |  Yes   |
| Environmental Disclosure    |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile         |  <a href="#">End Of Life Information</a>      |
| PVC free                    | Yes   |
| Halogen content performance | Halogen free plastic parts product  |





