



## Main

|                              |                                          |
|------------------------------|------------------------------------------|
| Range                        | TeSys                                    |
| Product or component type    | Contacteur coil                          |
| Device short name            | LX1G                                     |
| Poles description            | 3P                                       |
| 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              | 225 VA at 120 V AC, 60 Hz                                                                                                                                                                                                                                                                                                                                                                           |
| Inrush power in W               | 180.0 W DC                                                                                                                                                                                                                                                                                                                                                                                          |
| Hold-in power consumption in VA | 7.1 VA at 120 V AC, 60 Hz                                                                                                                                                                                                                                                                                                                                                                           |
| Hold-in power consumption in W  | 3.0 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                                                 | 105.7 mm                                                                                                                                                                                                                                                                           |
| Depth                                                 | 94.0 mm                                                                                                                                                                                                                                                                            |
| Quantity per set                                      | 1                                                                                                                                                                                                                                                                                  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 18.0 cm  |
| Package 1 Width              | 19.0 cm  |
| Package 1 Length             | 21.5 cm  |
| Package 1 Weight             | 1.7 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             | 3.841 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  | <a href="#">Yes</a>                           |
| 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            |

