

Product data sheet

Characteristics

LX1G4TEHEA

Control module LX1G for TeSys Giga contactor
LC1G630-800, 48...130V AC/DC, 4 pole,
advanced 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	LC1G630...800
[Uc] control circuit voltage	48...130 V AC/DC 50/60 Hz
Operating time	20...35 ms opening 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) Drop-out: 0...0.45 Uc (at 60 °C)
Connections - terminals	Control circuit: push-in termination 1 cable(s) 0.2...2.5 mm ² solid stranded without cable end sleeve AWG 26...AWG 12 Control circuit: push-in termination 1 cable(s) 0.25...2.5 mm ² flexible with cable end sleeve AWG 24...AWG 14 Control circuit: push-in termination 2 cable(s) 0.5...1.0 mm ² rigid or stranded with cable end sleeve AWG 20...AWG 18

Environment

IP degree of protection	IP20 conforming to IEC 60529
Operating altitude	3000 m without derating 5000 m with derating factor
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
Standards	EN/IEC 60947-4-1 UL 60947-4-1A 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	130 mm
Width	192 mm
Depth	281 mm
Net weight	2445 g
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	22 cm
Package 1 Width	27 cm
Package 1 Length	36 cm
Package 1 Weight	2.8 kg

Offer Sustainability

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

