Product datasheet

Specifications

TeSys GF - impulse relay - 16 A - 1 NO + 1 NC - 24 V AC 50/60 Hz coil

Local distributor code:

380920363 GF1611B7

EAN Code: 3389110707779

Main

Range	TeSys
Product Name	TeSys GF
Product Or Component Type	Impulse relay
Device Short Name	GF16
Utilisation Category	AC-1
Poles Description	2P
Pole Contact Composition	1 NO + 1 NC
[Ie] Rated Operational Current	16 A AC-1
[Ue] Rated Operational Voltage	250 V AC 50/60 Hz
Permissible Short-Time Rating	320 A 40 °C 1 s 48 A 40 °C 30 s 96 A 40 °C 10 s
Operating Position	+/- 90° to vertical plane
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz
Mounting Mode	Clip-on
Mounting Support	35 mm symmetrical DIN rail

Complementary

[Ith] Conventional Free Air Thermal Current	16 A (at 50 °C)
Average Impedance	4 mOhm at 50 Hz - Ith 16 A
[Ui] Rated Insulation Voltage	400 V conforming to IEC 60947-5-1 400 V conforming to VDE 0110
[Uimp] Rated Impulse Withstand Voltage	4 kV in enclosure
Connections - Terminals	Control circuit: screw clamp terminals 1 cable(s) 1.5 mm² solid without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 2.5 mm² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 0.5…6 mm² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 0.5…6 mm² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 0.5…6 mm² solid without cable end Power circuit: screw clamp terminals 2 cable(s) 0.5…4 mm² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 0.5…4 mm² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 0.5…4 mm² solid without cable end

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Tightening Torque	Control circuit: 0.8 N.m - on screw clamp terminals Power circuit: 0.8 N.m - on screw clamp terminals
Operating Time	70 ms closing 70 ms opening
Maximum Operating Rate	900 cyc/h
Control Circuit Voltage Limits	0.85...1.1 Uc 50 °C 50/60 Hz
Impulse Duration	>= 70 ms
Average Consumption	19 VA AC 50 Hz at at Uc at 20 ºC
Power Dissipation Per Pole	1 W
Mechanical Durability	1 Mcycles
Electrical Durability	100000 cycles AC-22 200000 cycles AC-21
9 Mm Pitches	2
Height	81 mm
Width	18 mm
Depth	64 mm
Net Weight	0.11 kg
Quantity Per Set	Set of 12

Environment

Standards	IEC 60669-1 NF C 61-112 IEC 60669-2
Ip Degree Of Protection	IP40 conforming to VDE 0106 (in enclosure) IP20 conforming to VDE 0106
Protective Treatment	TC
Ambient Air Temperature For Operation	-20…50 °C
Ambient Air Temperature For Storage	-40…80 °C
Operating Altitude	<= 2000 m without derating
Mechanical Robustness	Vibrations contactor open: 4 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	9.4 cm
Package 1 Length	23.0 cm
Package 1 Weight	120.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	8.0 cm
Package 2 Width	9.4 cm
Package 2 Length	23.0 cm

Package 2 Weight	1.44 kg
Unit Type Of Package 3	S02
Number Of Units In Package 3	48
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	6.143 kg

Contractual warranty

Warranty	18 months

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information