

# Product data sheet

Specifications



## Impulse relay, TeSys GF, AC-1, 2P, 16A, 1NO+1NC, 24VAC 50/60Hz coil

GF1611B7

### 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 °C
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

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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