Product datasheet

Specifications

TeSys GF - impulse relay - 16 A - 1 NO - 110 V AC 50/60 Hz coil

GF1610F7

Discontinued on: 1 Nov 2020

Discontinued

Main

Range	TeSys
Product name	TeSys GF
Product or component type	Impulse relay
Device short name	GF16
Utilisation category	AC-1
Poles description	1P
Pole contact composition	1 NO
[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	110 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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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 IEC 60669-2 NF C 61-112
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	8.1 cm
Package 1 Width	9.4 cm
Package 1 Length	23 cm
Package 1 Weight	112 g

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

SCIP Number	6763a476-30bc-4d05-a4bb-93f8d65c3771
EU RoHS Directive	Compliant By Exemption
Halogen-free status	Halogen free plastic parts product

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins