



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	220 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 mm ² solid without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 2.5 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 0.5...6 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 0.5...6 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 0.5...6 mm ² solid without cable end Power circuit: screw clamp terminals 2 cable(s) 0.5...4 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 0.5...4 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 0.5...4 mm ² solid without cable end
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 U _c 50 °C 50/60 Hz
Impulse duration	>= 70 ms

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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	NF C 61-112 IEC 60669-2 IEC 60669-1
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	8.000 cm
Package 1 Width	9.300 cm
Package 1 Length	22.800 cm
Package 1 Weight	114.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	2.820 cm
Package 2 Width	30.000 cm
Package 2 Length	20.000 cm
Package 2 Weight	1.425 kg
Unit Type of Package 3	S02
Number of Units in Package 3	48
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	6.107 kg

Offer Sustainability

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

Contractual warranty

Warranty	18 months
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