Product data sheet
Characteristics

GF1611U7
Impulse relay, TeSys GF, AC-1, 2P, 16A, 1NO +1NC, 230 to 240VAC 50/60Hz coil



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	230...240 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
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	8.500 Cm
Package 1 Width	1.800 Cm
Package 1 Length	7.000 Cm
Package 1 Weight	116.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.500 Cm
Package 2 Width	9.500 Cm
Package 2 Length	22.000 Cm
Package 2 Weight	1.433 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	6.065 Kg

Offer Sustainability

Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	E90703d3-daf2-4b36-9d16-626683f9d7bc
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxi

Halogen-free status	Halogen free plastic parts product
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised