

Interface-Relay Power – PCB-Relay
SGR 230GFM ... 6 1 pole 16A 5,0 mm

ELESTA

Technical Data

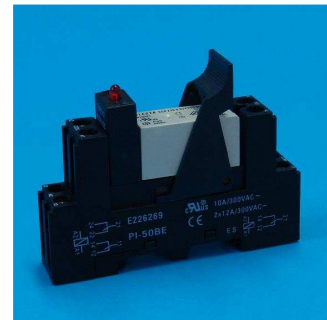
Contact Data		
Type of Contact		Single Contact
No. of Contacts		1C
Rated Voltage / Max. Switching Voltage	VAC	250
Rated Current	A	16
Rated Breaking Capacity (cos φ = 1)	VA	4.000
Switching Load (Min.)	VDC / mA	5 / 10
Contact Material		AgNi

General Data		
Mechanical Life	> Operations	10 x 10 ⁶
Elektrische Lebensdauer	> Operations	1 x 10 ⁵
Max. Switching Frequency	Operations / h	1.800
Operate Time / Release Time	approx. in ms	12 / 8
Test Voltage Contact / Coil	≥ VAC _{eff}	5.000
Test Voltage Contact Open	≥ VAC _{eff}	1.000
Creeping-/Leakage Distance	mm	> 10 / 10
Insulation IEC 60664	- Rated Voltage (VAC)	250
	- Degree of Pollutin	3
	- Excess Voltage Category	III
Insulation Group / Rated Voltage(VDE 0110b 2/79)		C / 250
Ambient Temperature	°C	- 40...+ 85
Approvals		VDE, C-UL, TÜV
Weight	gr.	15

Coil at + 20°C		
Rated Voltage	VDC	24
Rated Voltage	VAC	230
Power Consumption (DC - Coil)	approx. W	0,4
Power Consumption (AC - Coil)	approx. VA	0,75
Max. Actuating Voltage (+20°C)	VDC	1,45 x U _N

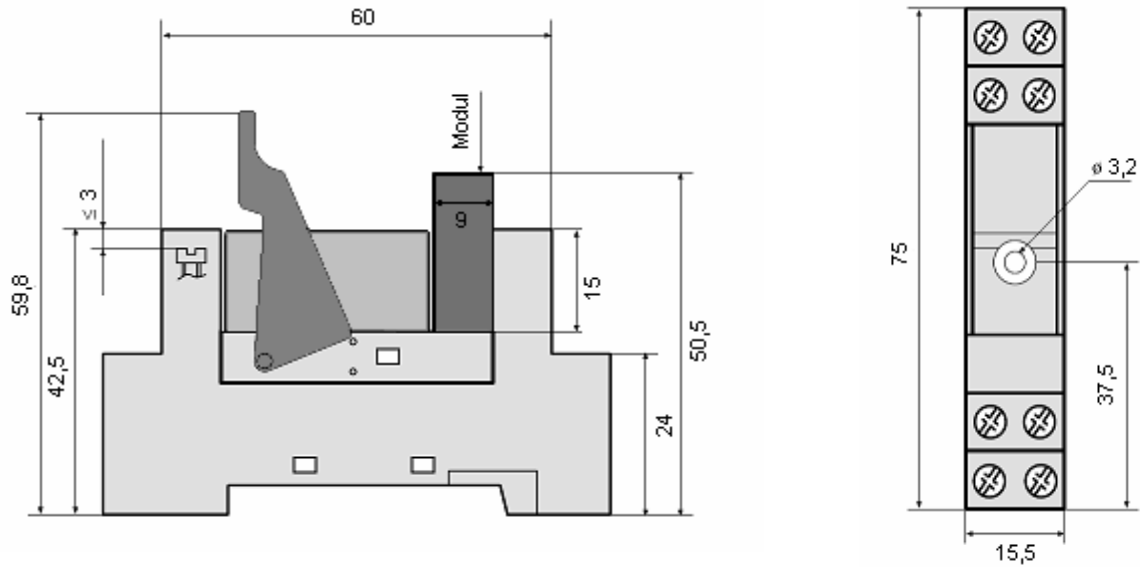
DC - Coil (0,4 W)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
24	1.440 ± 10%	≤ 19,2	≥ 1,2	16,7

AC - Coil (0,75 VA)				
U _N (V)	R (Ohm)	U _{AN} (V)	U _{AB} (V)	I _N (mA)
230	32.500 ± 10%	≤ 184,0	≥ 69,0	3,42



- mounted Interface-Relay
- easily exchangeably
- AC and DC coils
- for 35mm DIN rail
- high inrush current

Dimension Diagram



All measure in mm.

Order Type

SGR 230GFM

024VDC

1C

6

AN

FLG

1

Relay Type

Coil Voltage

024VDC = 24VDC
 230VAC = 230VAC

Type of Contact

1C = 1 Change-Over Contact

Construction

6 = Raster 5,0mm to 16 A

Contact Material

AN = AgNi10

Module Construction

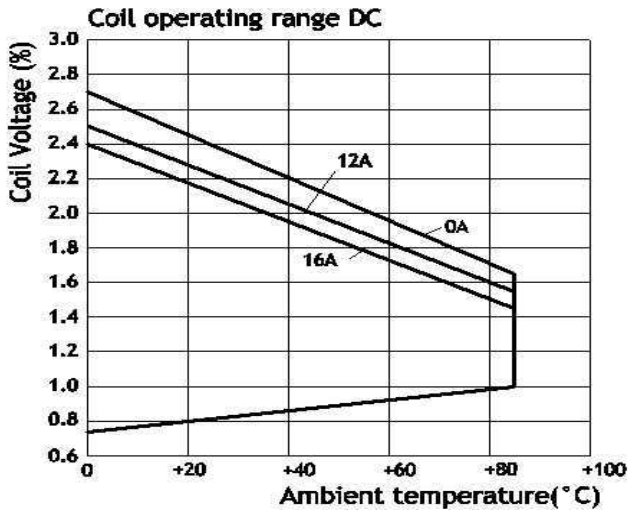
LG = LED green
 LR = LED red
 F = Free Wheeling Diode

RoHS

1 = RoHS conform

Electrical Specification

Operating Voltage Range DC



Direct Current - Burden Limit

