

RG25 POWER RELAY for DIN-Rail mounting

COIL DATA

Rated voltage	12...220 V DC // 12...380 V AC 50Hz
Must release voltage	$> 0,1 U_n$
Operating range of supply voltage	see tables below
Rated power consumption	1,5 W (DC), 3 VA (AC)

Coil data - DC version

Coil code	Rated voltage V DC	Coil resistance +/- 10% at 20°C	Operating range of supply voltage at 20°C, V DC	
			min. (at 20°C)	max. (at 55°C)
1012	12	85	9.6	13.2
1024	24	340	19.2	26.4
1110	110	7600	88	121
1220	220	30000	176	242

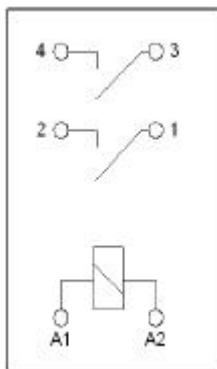
Coil data - AC 50 Hz version

Coil code	Rated voltage V AC	Coil resistance +/- 10% at 20°C	Operating range of supply voltage at 20°C, V AC	
			min. (at 20°C)	max. (at 55°C)
3012	12	17	8.4	13.2
3024	24	76	16.8	26.4
3110	110	1600	77	121
3230	230	6800	161	253
3380	380	17700	266	418

CONTACTS DATA

Contact number & arrangement	2NO
Contact material	AgCdO
Voltage	
Max. switching voltage AC/DC	400 V / 400 V
Min. switching voltage AC/DC	10 V
Current	
Rated load	AC1 25 A / 380 V AC
	AC3 15 A / 380 V AC
Min. switching current	50 mA
Max. inrush current	40 A
Rated current	25 A
Max. breaking capacity	AC1 9 500 VA
	AC3 5 700 VA
Contact resistance	$< 100 \text{ m}\Omega$ at 1 A, 24 V
Max. operating frequency	
at rated load	AC1 600 cycles/h
	AC3 600 cycles/h
no load	3 600 cycles/h

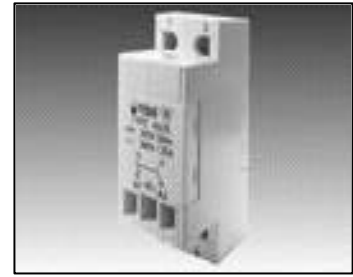
CONNECTIONS DIAGRAM (PIN SIDE VIEW)



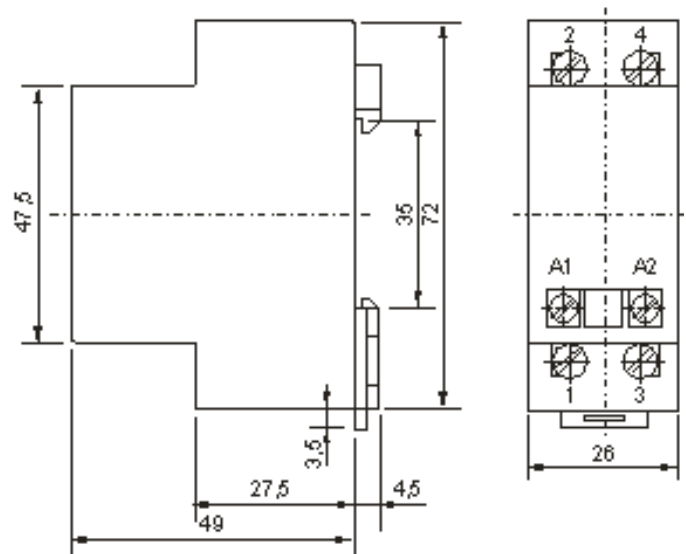
GENERAL DATA

Operating time (typical value)	20 ms
Release time (typical value)	20 ms
Electrical life	
resistive	10^5 at 25 A, 380 V AC
cos φ	see Fig.2
Mechanical life (cycles)	$> 10^6$
Dimensions (L x W x H)	26 x 49 x 72 mm
Weight	about 130 g
Ambient temperature	
storing	-25...+85°C
operating	-25...+85°C
Cover protection category	IP20
Shock resistance	10 g
Vibration resistance	5 g for 10...150 Hz

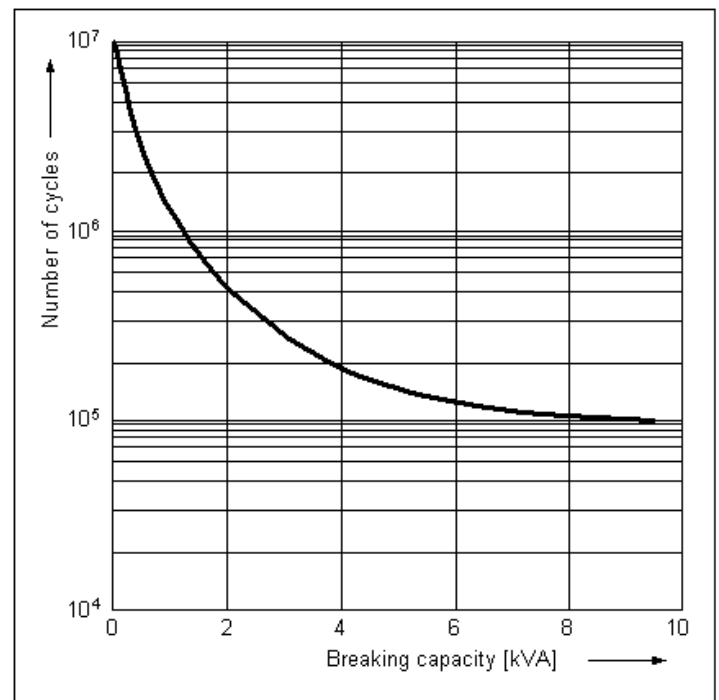
INSULATION DATA



DIMENSIONS, MM



ELECTRICAL LIFE AT AC RESISTIVE LOAD

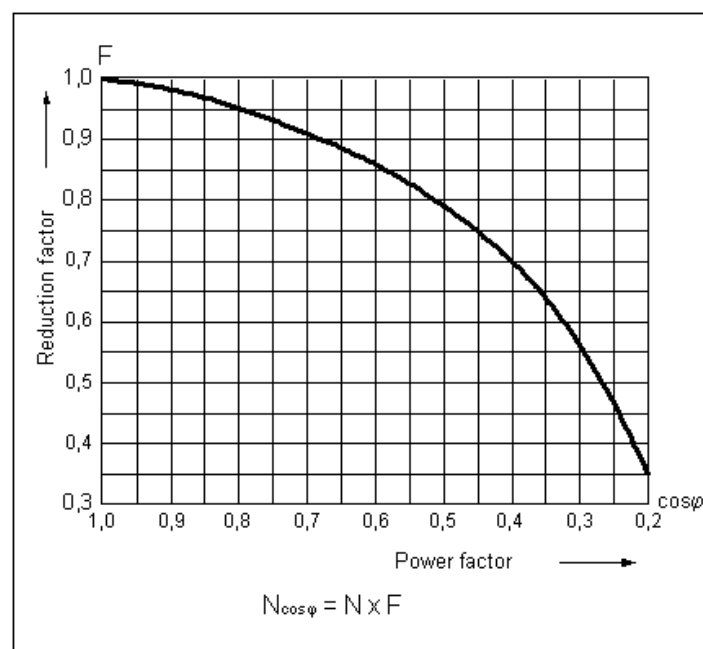


ELECTRICAL LIFE REDUCTION FACTOR

Insulation category	C400
Voltage	
Insulation rated voltage	400 V AC
Dielectric strength	
coil-contact	5 000 V AC
contact-contact	1 500 V AC
pole-pole	5 000 V AC
Contact-coil distance	
clearance	> 6 mm
creepage	> 8 mm

MOUNTING: direct DIN-rail mounting

AT AC INDUCTIVE LOAD



HOW TO ORDER RG25 RELAY: ORDERING CODES

