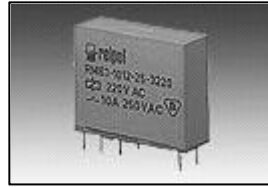


RM63 MINIATURE POWER RELAY



COIL DATA

Rated voltage	6...240 V AC
Must release voltage	> 0,15 U _n
Operating range of supply voltage	see Table below
Rated power consumption	1,6 VA

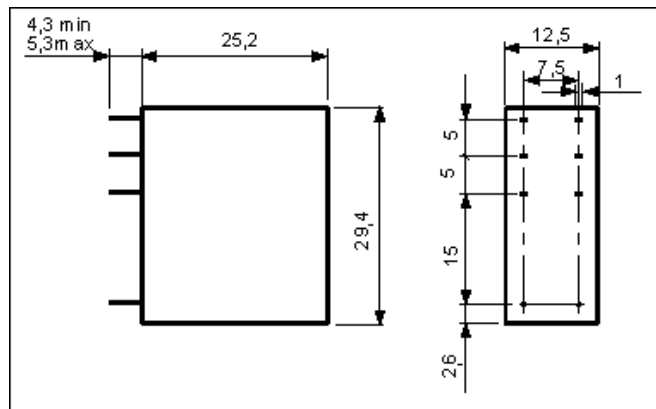
Coil data: AC version

Coil code	Rated voltage V AC	Rated current ± 10% mA	Coil resistance ± % at 20°C Ohm	Resistance tolerance ± %	Operating range of supply voltage at 20°C, V AC	
					min.	max.
3006	6	270,0	12	10	4,8	6,6
3012	12	119,0	56	10	9,6	13,2
3024	24	57,0	230	10	19,2	26,4
3048	48	30,5	870	15	38,4	52,8
3060	60	23,8	1500	15	48,0	66,0
3110	110	12,3	5 300	15	88,0	129,0
3220	220	5,9	20 000	15	176,0	242,0
3240	240	5,7	25 000	15	192,0	264,0

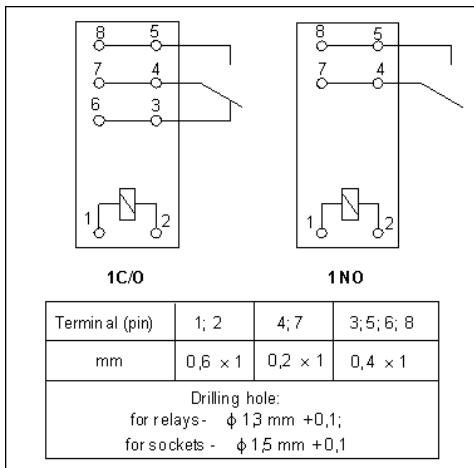
CONTACTS DATA

Contact number & arrangement	1C/O, 1NO
Contact material	AgCdO; AgSnO ₂
Voltage	
Max. switching voltage AC/DC	400 V / 250 V
Min. switching voltage	10 V
Current	
Rated load AC1	16 A / 250 V AC
DC1	16 A / 24 V DC
Min. switching current	5 mA
Max. inrush current	25 A
Rated current	16A
Max. breaking capacity	4 000 VA
Min. breaking capacity	0,5 W
Resistance	< 100 mOhm at 1 A, 24 V
Max. operating frequency	
at rated load	3 600 cycles/hour
no load	18 000 cycles/hour

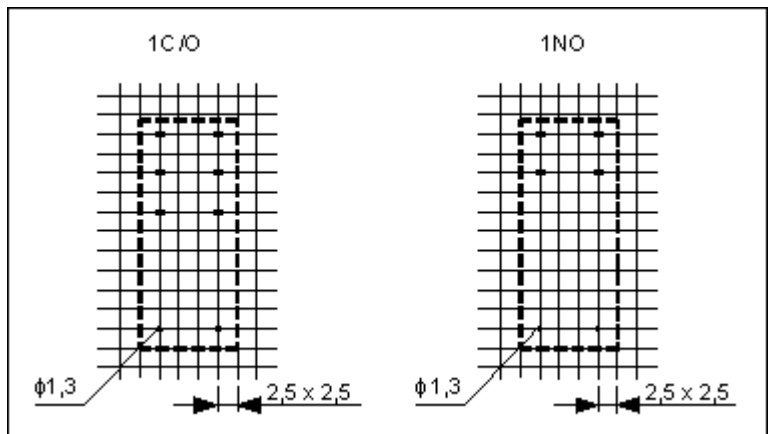
DIMENSIONS



CONNECTIONS DIAGRAM



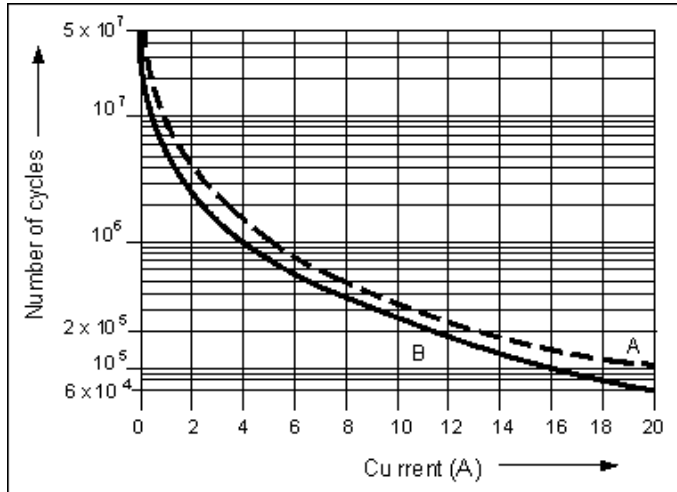
DRILLING PATTERN



GENERAL DATA

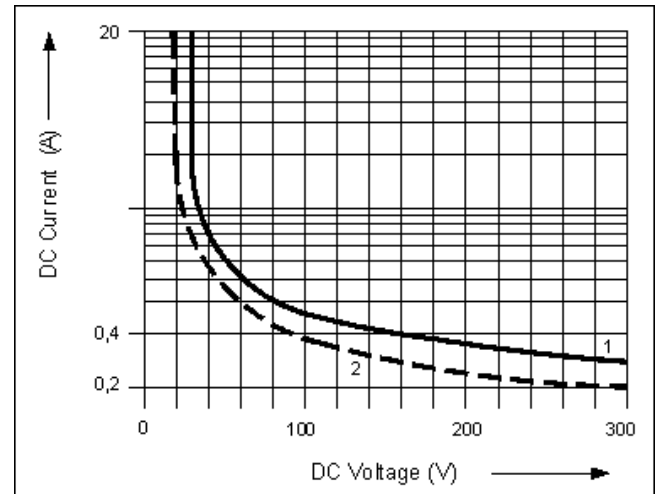
Operatig time (typical value)	10 ms
Release time (typical value)	5 ms
Electrical life (resistive)	>10 ⁵ at 1000 cycles/hour >1,5 x 10 ⁵ at 500 cycles/hour
Mechanical life (cycles)	>5 x 10 ⁷
Dimensions (LxWxH)	29,4 x 12,5 x 25,2 mm
Weight	15...18 g
Ambient temperature	
storing	-40...+85 °C
operating	-40...+70 °C
Protection category	IP40 or IP67
Shock resistance	10 g
Vibration resistance	2,5 mm for 5...45 Hz 10 g for 45...200 Hz
Solder bath temperature	max. 270°C
Soldering time	max. 5s

**EXPECTED LIFE AT 250 V AC
(RESISTIVE LOADS AND
REPETITION RATE 1000 CYCLES/HOUR)**



A - 40 °C // B - 70 °C

MAX. SWITCHING POWER DC



1 - resistive load
2 - inductive load (L/R < 40 ms)

INSULATION DATA

Insulation category	C250
Voltage	
Insulation rated voltage	400 V AC
Dielectric strength	
coil-contact	5 000 V AC
contact-contact	1 000 V AC
Contact-coil distance	
clearance	> 8 mm
creepage	> 8 mm

MOUNTING:

- direct PCB mounting (PCB terminals socket GW80 (clip RM81 0001) and PW80 (clip RM81 0001))
- DIN rail mount socket with screw terminals GZ80 (clip GZ80 1001 or MS25)+ Indicator modules for GZ80 sockets

ORDERING CODES

