

RM64 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 $\pm 10\%$ mA	Coil resistance $\pm \%$ at 20°C Ohm	Resistance tolerance $\pm \%$	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	2C/O, 2NO
Contact material	AgCdO; AgSnO ₂

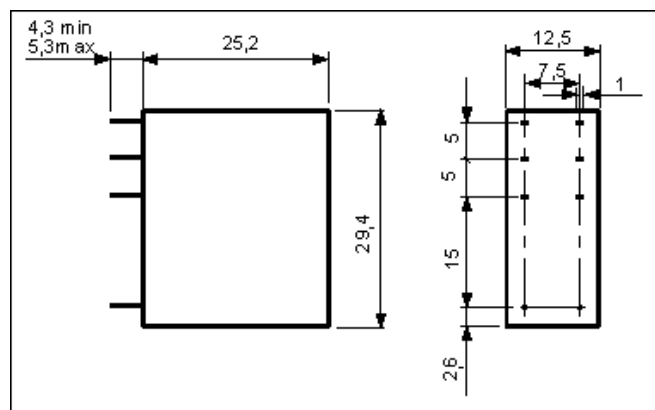
Voltage

Max. switching voltage AC/DC	400 V / 250 V
Min. switching voltage	10 V

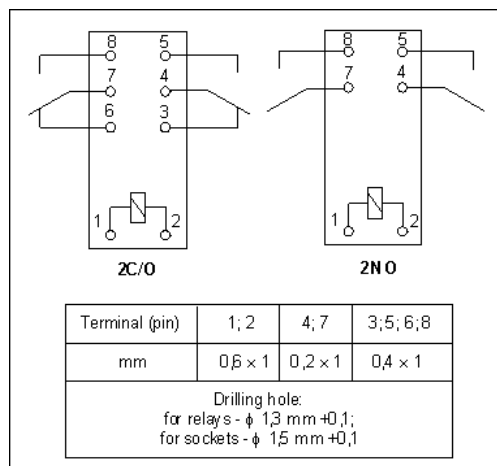
Current

Rated load	AC1	10 A / 250 V AC
	DC1	10 A / 24 V DC
Min. switching current		5 mA
Max. inrush current		14 A
Rated current		10A
Max. breaking capacity		2500 VA
Min. breaking capacity		0,5 W
Resistance		$< 100 \text{ m}\Omega$ at 1 A, 24 V
Max. operating frequency		
at rated load		3 600 cycles/hour
no load		18 000 cycles/hour

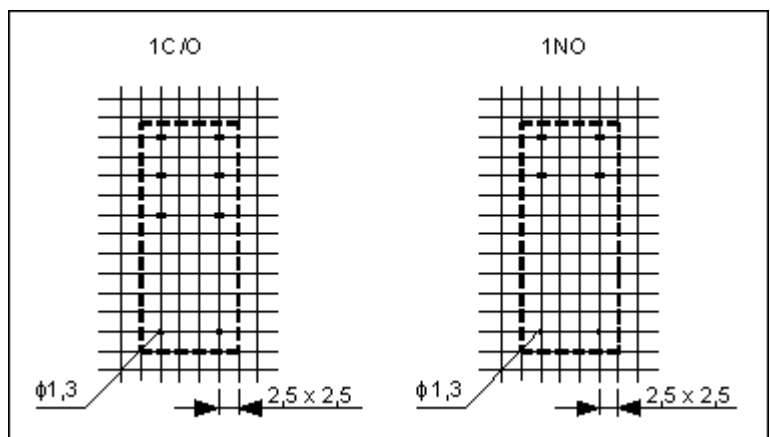
DIMENSIONS



CONNECTIONS DIAGRAM



DRILLING PATTERN

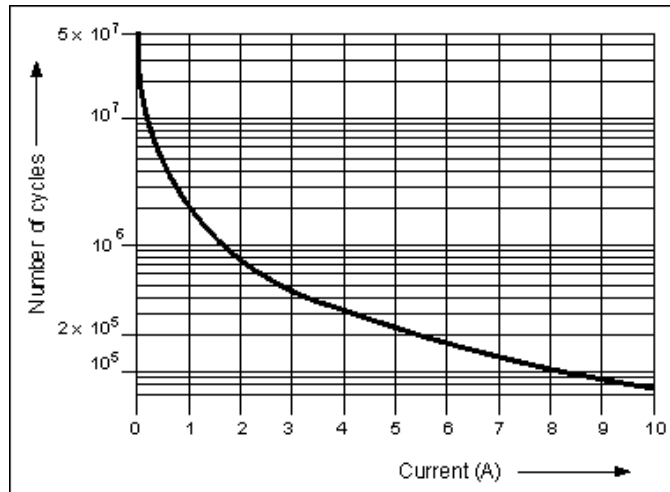


GENERAL DATA

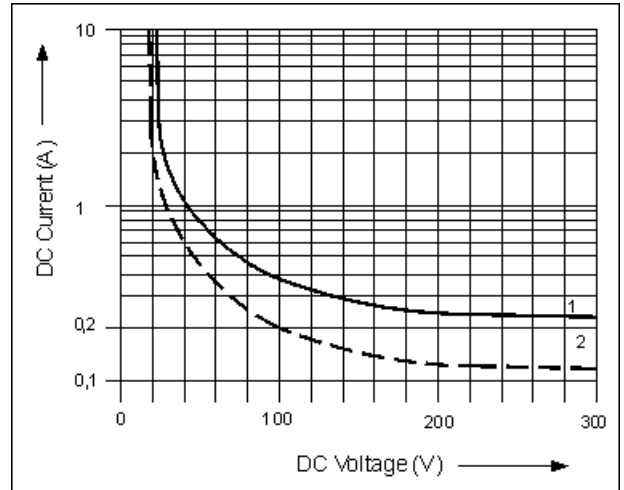
Operating time (typical value)	10 ms
Release time (typical value)	5 ms
Electrical life (resistive)	$> 7,5 \times 10^4$ at 1000 cycles/hour $> 8 \times 10^4$ at 500 cycles/hour
Mechanical life (cycles)	$> 5 \times 10^7$
Dimensions (LxWxH)	29,4 x 12,5 x 25,2 mm
Weight	15...18 g
Ambient temperature	
storing	-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)



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
pole-pole	4 000 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

