

# RM73 MINIATURE POWER RELAY

## COIL DATA

Rated voltage	6...60 V DC
Must release voltage	< 0,1 U <sub>n</sub>
Operating range of supply voltage	see Table below
Rated power consumption	0,36 W



## COIL DATA

Coil code	Rated coil voltage V DC	Coil resistance at 20°C Ohm (± 5%)	Pull-in voltage at 20°C V DC	Max. continuous voltage at +85°C U <sub>max</sub> V DC
1006	6	100	3,95	6,6
1012	12	420	7,90	13,2
1024	24	1600	15,80	26,4
1048	48	6400	31,60	52,8
1060	60	10000	39,50	66,0

## CONTACTS DATA

Contact number & arrangement	1NO
Contact material	AgNi
Contact gap	> 3 mm
	T-bridge contact double gap 2x3 mm

### Voltage

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

### Current

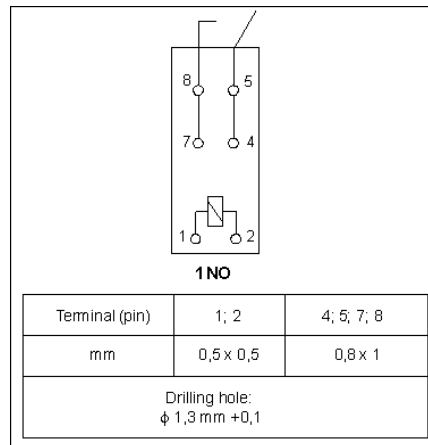
Rated load AC1	16 A / 250 V AC
Rated load DC1	16 A / 24 V DC
	2 A / 250 V DC

Min. switching current	5 mA
Max. inrush current	20 A
Rated current	16 A
Max. breaking capacity	4 000 VA
Min. breaking capacity	0,5 W
Resistance	< 100 mOhm at 1 A, 24 V

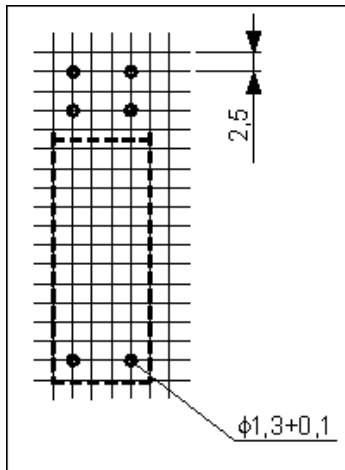
### Max. operating frequency

at rated load	450 cycles/hour
no load	36 000 cycles/hour

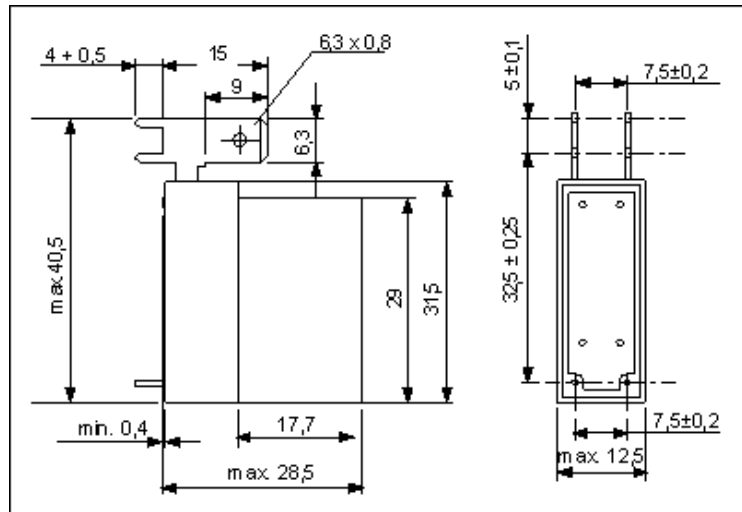
## CONNECTIONS DIAGRAM



## DRILLING PATTERN



## DIMENSIONS



## GENERAL DATA

Operatig time (typical value)	10 ms
Release time (typical value)	5 ms
Electrical life (resistive)	> 3 x 10 <sup>4</sup> at 16 A, 250 V AC
Mechanical life (cycles)	> 10 <sup>6</sup>
Dimensions (LxWxH)	40,7 x 12,6 x 28,5 mm
Weight	24 g
<b>Ambient temperature</b>	
storing	-40...+85 °C
operating	-40...+85 °C
Protection category	IP54
Shock resistance (1NO/1NC)	10 g / 5 g
Vibration resistance	10 g for 10...150 Hz
Solder bath temperature	max. 270°C
Soldering time	max. 5s

**INSULATION DATA**

Insulation category	C250
<b>Voltage</b>	
Insulation rated voltage	400 V AC
Dielectric strength	
coil-contact	4000 V AC
contact-contact	2500 V AC
<b>Contact-coil distance</b>	
clearance	> 8 mm
creepage	> 8 mm

**MOUNTING:**

direct PCB mounting (coil / contact terminals) and by FASTON 6,3x0.8 mm connectors (contact terminals)

**HOW TO ORDER RM73 RELAY: ORDERING CODES**

