

RM96 MINIATURE POWER RELAY

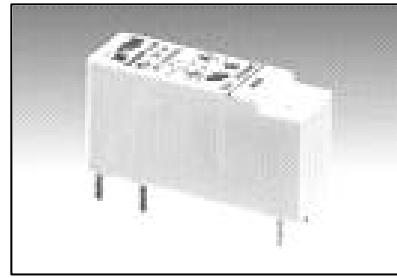
COIL DATA

Voltage

Rated voltage	5...48 V DC
Must release voltage	> 0,1 U _n
Operating range of supply voltage	see table
Rated power consumption	0,2...0,3 W

Coil data - standard version

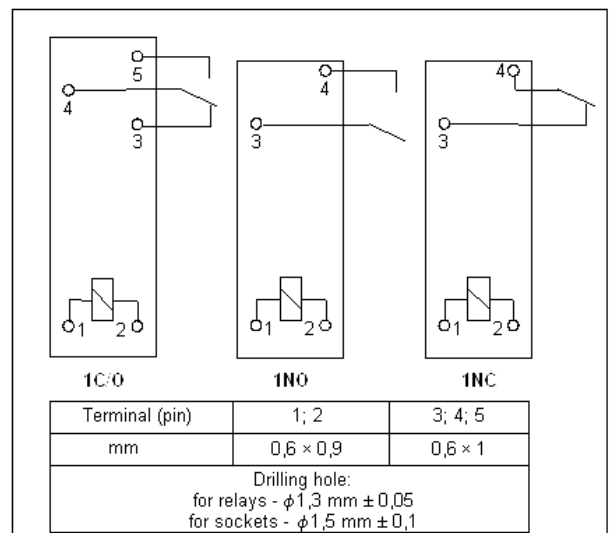
Coil code	Rated voltage V DC	Coil resistance +/- 10% at 20°C W	Operating range of supply voltage at 20°C, V DC	
			min.	max.
1005	5	110	3.5	12
1006	6	160	4.2	14.5
1009	9	360	6.3	22
1012	12	660	8.4	29.5
1018	18	1500	12.6	44
1024	24	2200	16.8	54
1048	48	8000	33.6	102



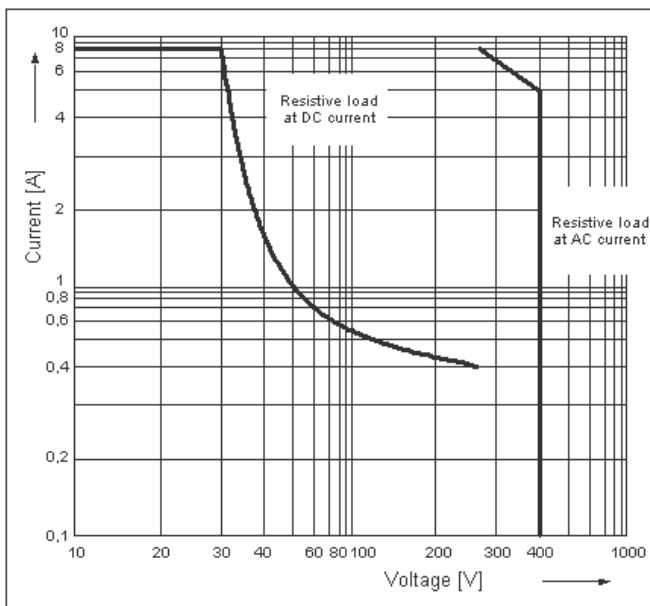
CONTACTS DATA

Contact number & arrangement	1C/O, 1NO, 1NC
Contact material	AgCdO
Voltage	
Max. switching voltage AC/DC	400 V / 250 V
Min. switching voltage	10 V
Current	
Rated load AC1	8 A / 250 V AC
DC1	8 A / 24 V DC
Min. switching current	5 mA
Rated current	8 A
Max. breaking capacity	2 000 VA
Min. breaking capacity	contact manufacturer
Resistance	< 100 mOhm at 1 A, 24 V
Max. operating frequency	
at rated load	600 cycles/hour
no load	72 000 cycles/hour

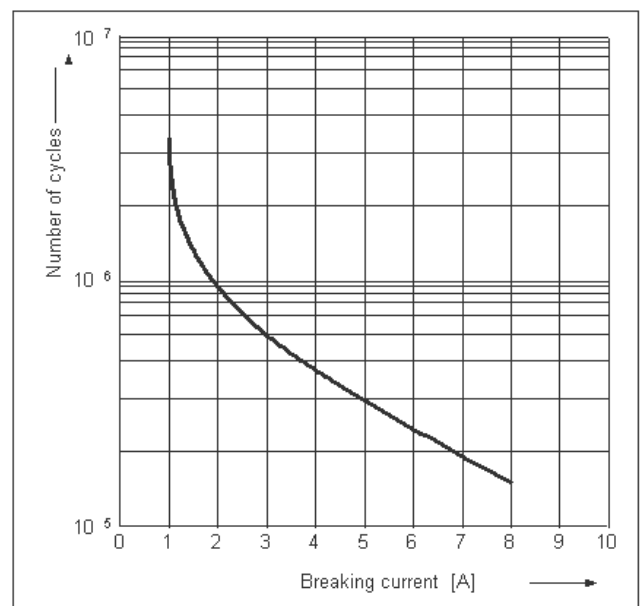
CONNECTIONS DIAGRAM



MAX. AC AND DC RESISTIVE LOAD BREAKING CAPACITY



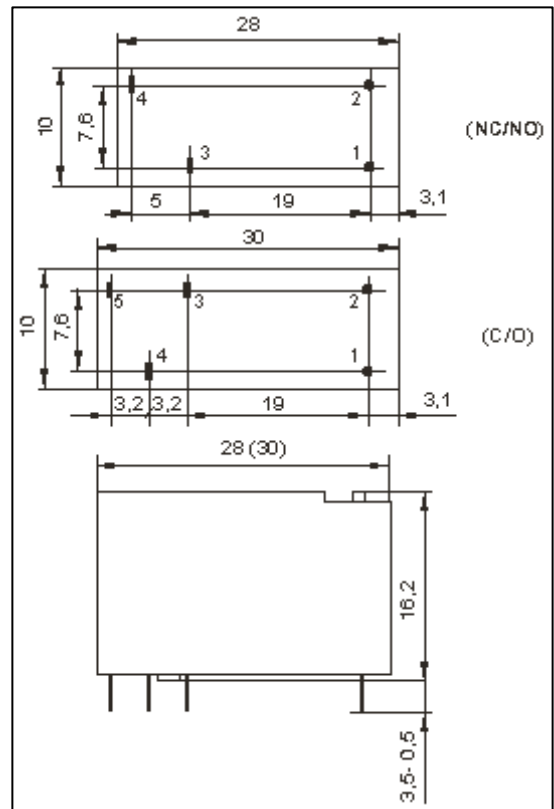
ELECTRICAL LIFE AT AC RESISTIVE LOAD



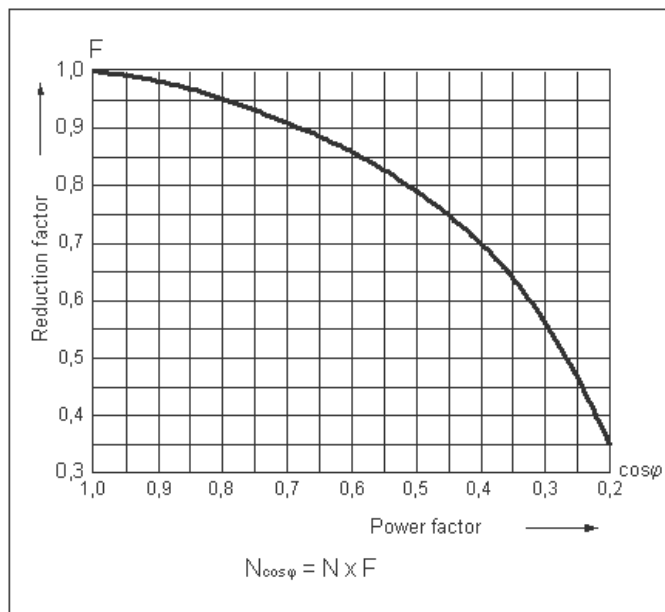
GENERAL DATA

Operating time (typical value)	10 ms
Release time (typical value)	5 ms
Electrical life	
cos φ	>10 ⁵ at 8 A, 250 V AC (see cos φ /Contact data below)
Mechanical life (cycles)	>2 x 10 ⁷
Dimensions (L x W x H)	28 (30 for C/O version) x 10 x 16,2 mm
Weight	11 g
Ambient temperature	
storing	-40...+85°C
operating	-40...+80°C
Cover protection category	IP40 or IP67
Shock resistance	20 g
Vibration resistance	10 g for 10...150 Hz
Solder bath temperature	max. 270°C
Soldering time	max. 5 s

DIMENSIONS



ELECTRICAL LIFE REDUCTION FACTOR AT AC INDUCTIVE LOAD



INSULATION DATA

Insulation category	C250
Voltage	
Insulation rated voltage	400 V AC
Dielectric strength	
coil-contact	4 000 V AC
contact-contact	1 000 V AC
Contact-coil distance	
clearance	> 8 mm
creepage	> 8 mm

MOUNTING:

- direct PCB mounting (for RM96 1C/O contact there is PCB terminals socket GW96 (clip MH16-2))
- DIN rail mount socket with screw terminals GZ96 (clip GZ80 1002 or MS16)+ Indicator modules for GZ96 sockets

HOW TO ORDER RM96 RELAY: ORDERING CODES

