

MH-661 Series

Features

- Low coil power consumption.
- High contact load.
- Strong anti-shock high reliability.
- PCB terminal and Socket terminal are selectable either with or without lamp is optional for AC & DC coil.



How to Order (Ex.MH661-1C-110A)

| MH | □-661 | □-1C | □-110 | □-D |
|-------------|-------|--------------------|--------------------|-------------------------|
| Part Number | | 1C=SPDT 2C=DPDT | 3C=TPDT 4C=4PDT | 5V~380V D=DC A=AC |

Coil Rating (at 20°C)

| Coil Type | Nominal Voltage (DC) | Coil Resistance ($\Omega \pm 10\%$) | | | Pick-up or Below Volts(VDC) | Drop-out or Above Volts(VDC) |
|-----------|----------------------|---------------------------------------|------|------|-----------------------------|------------------------------|
| | | 1C/2C | 3C | 4C | | |
| DC | 5 | 28 | 18 | 17 | 10% | 75% |
| | 6 | 40 | 26 | 24 | | |
| | 12 | 160 | 100 | 96 | | |
| | 48 | 2560 | 1645 | 1536 | | |
| | 110 | 13400 | 8640 | 8000 | | |
| AC | 6 | 10.5 | 5 | 4 | | |
| | 9 | 23.6 | 11.3 | 9 | | |
| | 12 | 42 | 20 | 16 | | |
| | 24 | 168 | 81 | 63 | | |
| | 110 | 3530 | 1694 | 1323 | | |
| | 220 | 14100 | 6770 | 5290 | | |

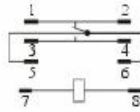
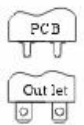
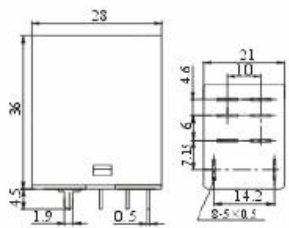
Contact Ratings

| Load | 1C | 2C/3C/4C |
|-----------------------|-------------------|-------------------|
| Resistive Load | 15A 220VAC/28VDC | 10A 220VAC/28VDC |
| Max.Switching Power | 2500VA/300W | 2500VA/300W |
| Max.Switching Voltage | 220VAC 28VDC | 220VAC 28VDC |
| Contact Resistance | $\leq 100m\Omega$ | $\leq 100m\Omega$ |

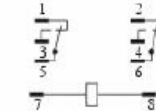
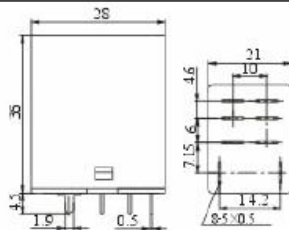
Characteristics

| | | |
|-------------------------------|--|--|
| Electrical Life | 1×10^5 | |
| Mechanical Life | 1×10^7 | |
| Initial Insulation Resistance | Min.100M Ω 500VDC | |
| Contact Resistance (Initial) | $\leq 100m\Omega$ | |
| Operate Time | $\leq 25ms$ | |
| Release Time | $\geq 25ms$ | |
| Initial Dielectric Strength | 50/60Hz 1000VAC 1min.(between open contact) 50/60Hz 1500VAC 1min (between Contacts and Coil) 50/60Hz 1500VAC 1 min. (between all conductors) | |
| Vibration Resistance | Functional | 10 to 55 Hz at Double Amplitude of 1.5mm |
| | Destruction | 10 to 55 Hz at Double Amplitude of 1.5mm |
| Shock Resistance | Functional | Min.10G |
| | Destruction | Min.100G |
| Ambient Temperature | -40°C ~ +55°C | |
| Relative Humidity | 85% at 40°C | |
| Contact Material | Ag-CdO | |
| Size (mm)/ Unit Weight (g) | 1C/2C 28 x 21 x 36mm (35g) 3C 28 x 31 x 36mm (50g) 4C 28 x 41 x 36mm (55g) | |

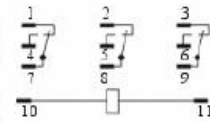
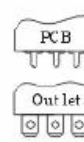
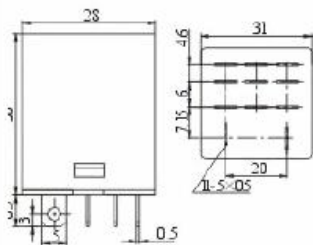
OUTLINE DIMENSIONS



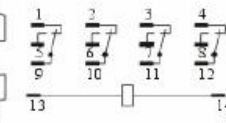
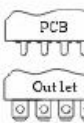
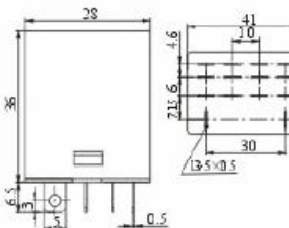
MH-661-1C



MH-661-2C



MH-661-3C



MH-661-4C