

MQ8



Product Features

- ◆ Small size, light weight
- ◆ PC board mounting
- ◆ Suitable for automotive automatic control, electronic equipments and remote control systems etc.
- ◆ Outline Dimensions: 15.5*12.5*13.5mm

CQC 17002161911  R 50334534

Ordering Information

Model No.	MQ8	-C	-S	-DC12V
Contact Form: A: Normally Open B: Normally Closed C: Normally Open&Close				
Construction: S: Sealed type E: Flux tight type				
Nominal Coil Voltage: 5, 6, 9, 12, 24V(DC)				

Contact Rating

Contact Form		1A, 1B, 1C	
Contact Material		AgSnO ₂	
Contact Rating(Resistive)		NO: 10A 125VAC 7A 250VAC 5A 250VAC NO: 20A 14VDC	
		NC: 10A 125VAC 7A 250VAC 5A 250VAC	
Switching Power Max.		280W 1250VA	
Switching Voltage Max.		30VDC 125VAC	
Switching Current Max.		20A	
Voltage Drop		≤50mV (@ 10A)	Item 3.12 of IEC 255-7
Endurance	Electrical	10 ⁵	Item 3.30 of IEC 255-7
	Mechanical	10 ⁷	Item 3.31 of IEC 255-7

Coil Rating

Nominal Coil Voltage(VDC)	Coil Voltage Max. (VDC)	Pick up Max. (VDC)	Drop out Min. (VDC)	Coil Resistance R(1 ± 10%) Ω	Coil Power (W)	Operate Time (ms)	Release Time (ms)
5	5.5	3.5	0.5	42	0.6	≤ 10	≤ 5
6	6.6	4.2	0.6	60			
9	9.9	6.3	0.9	135			
12	13.2	8.4	1.2	240			
24	26.4	16.8	2.4	960			
5	5.5	3.5	0.5	31	0.8	≤ 10	≤ 5
6	6.6	4.2	0.6	45			
9	9.9	6.3	0.9	101			
12	13.2	8.4	1.2	180			
24	26.4	16.8	2.4	720			

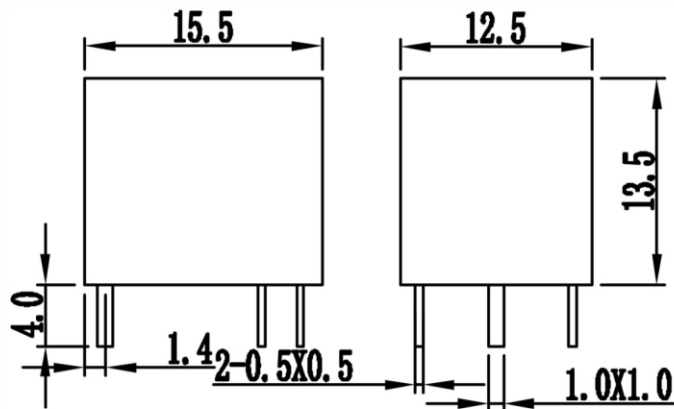
Technical Rating

Insulation Resistance		100M Ω (500VDC)Min.	Item 7 of IEC 255-5
Dielectric Strength	Between Open Contacts	50Hz 500V	
	Between Coil&Contact	50Hz 500V	Item 6 of IEC 255-5
Shock Resistance		Operation extremes 10G Damage limits 100G	Item 6 of IEC 255-5
Vibration Resistance		Operation extremes 10-500Hz,4.4G; Damage limits 10-500Hz,4.4G	IEC 68-2-27 Test Ea
Leading-out Terminal Strength		10N	
Ambient Temperature		-40℃ ~ 85℃	
Relative Humidity		85%(20℃)	
Weight		6g	

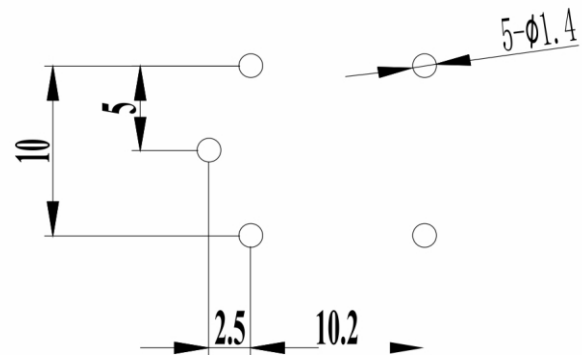
Outline Dimensions, Wiring Diagram And PCB Layout

Unit:mm

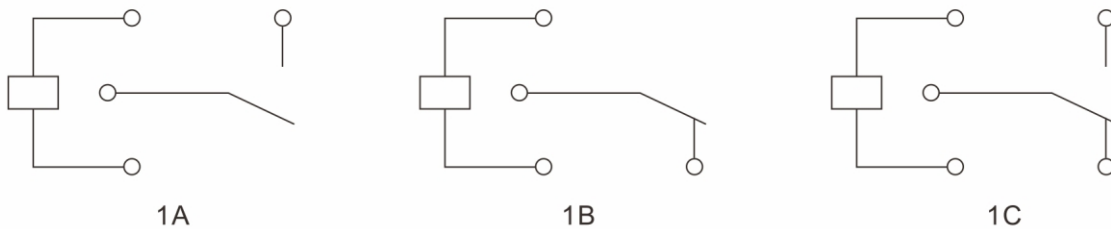
Outline Dimensions



PCB Layout (Bottom View)

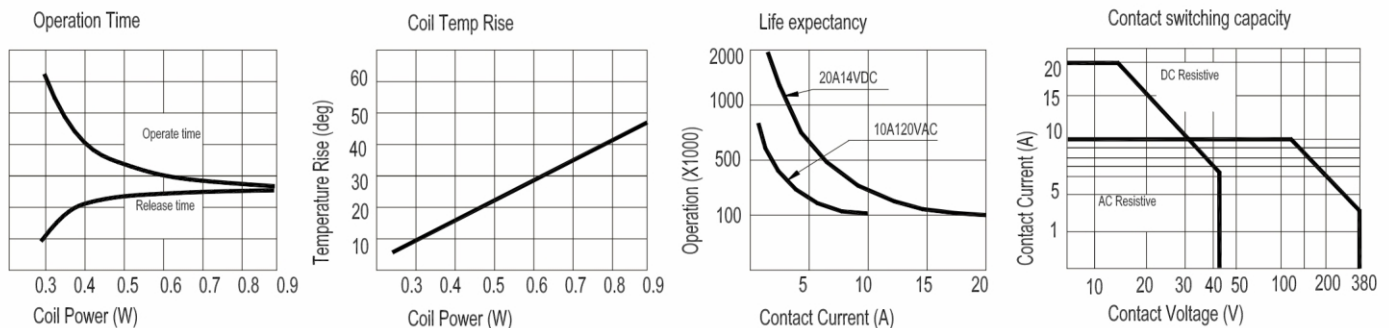


Wiring Diagram(Bottom View)



Remarks: (1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
(2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

Engineering Data



Note: Specification and dimensions in this catalogue are for reference only and subject to change without notice.