

**Features**

- Super miniature;
- Contact load capacity up to 20A at 14VDC;
- Terminal types as inserting;
- Pc board mounting;
- Suitable for household appliances, electrical equipment, automation system, and automobile industry application.

Open type 15.5×13×18

Sealed type 17.5×15×19.5

Ordering Information

<u>WM660</u>	<u>- 12</u>	<u>- A</u>	<u>- S</u>	<u>1.0</u>	<u>xxx</u>
1	2	3	4	5	6
1 Part number: WM660					
2 Coil rated voltage(VDC) 6: 6V; 9: 9V; 12: 12V; 24: 24V					
3 Contact form: A: 1A; C: 1C; U: 2A; W: 2C					
4 Enclosure: S: Sealed type; Nil: Open type					
5 Coil power: 1.0: 1.0W(standard); 1.2: 1.2W;					
6 xxx: Customer special specification					

Contact Data

Contact Form	A (SPSTNO)、C (SPDT(B-M))、U (SPSTNODM)、W (SPDTNC-NO)			
Contact Material	Ag Alloy			
Contact Rating (resistive)	A	C	U	W
	20A/14VDC	20A/14VDC	2×10A/14VDC	2×10A/14VDC
Max. Switching Voltage	75VDC			
Max. Switching Current	20A			
Max. Switching Power	280W			
Contact Resistance or Voltage drop	≤100mΩ			
Electrical Life	1×10 ⁵ ops			
Mechanical Life	1×10 ⁷ ops			

Coil Parameter

Dash numbers	Coil voltage (VDC)		Coil resistance Ω±10%	Pickup voltage VDC (Max.)	Release voltage VDC(Min.)	Coil power	Operate Time	Release Time
	Rated	Max.						
6V	6V	7.8V	36	4.5V	0.6V	1.0W	≤10ms	≤5ms
9V	9V	11.7V	81	6.75V	0.9V			
12V	12V	15.6V	145	9.0V	1.2V			
24V	24V	31.2V	576	18.0V	2.4V			
12V	12V	15.6V	120	9.0V	1.2V	1.2W	≤10ms	≤5ms

Operation condition

Insulation Resistance		100MΩ Min. (at 500VDC)
Dielectric Strength	Between Contacts	50Hz 750VAC / 1 minute
	Between Coil and Contacts	50Hz 1500VAC / 1 minute
Shock resistance		100m/s ² 11ms
Vibration resistance		10~40Hz double amplitude 1.27mm
Terminals strength		10N
Solderability		235°C±2°C 3±0.5s
Ambient Temperature		-40°C ~ +85°C
Relative Humidity		85% (at 40°C)
Weight(Approx.)		9g(Open type)、12g(Sealed type)

Layout (Bottom views, Unit: mm)

Dimensions / Wiring diagram (Bottom views)

Open type

Sealed type

Terminal Layout (Bottom views)

Wiring diagram (Bottom views)

1A, 1C, 1U, 1W

Reference Data

