

**Features**

- Miniature;
- Contact load capacity up to;
- PC board mounting and insert mounting available;
- Suitable for automobile system and automobile auxiliary etc;
- Sealed type available.

Ordering Information

<u>WM651</u>	<u>-12</u>	<u>-A</u>	<u>-R</u>	<u>-P</u>	<u>-S</u>	<u>1.6</u>	<u>xxx</u>
1	2	3	4	5	6	7	8
1 Part number: WM651							
2 Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V							
3 Contact Form: A:1A; B:1B; C:1C							
4 Coil transient suppression: D: with diode.; R: with resistance; Nil: standard							
5 Terminals: P: PCB type 为 PCB; Nil: plug in type							
6 Enclosure: S: Sealed							
7 Coil power: 1.6: 1.6W(standard); 1: 1W							
8 xxx: Customer special specification							

Contact Data

Contact Form	1A (SPSTNO)、1B(SPSTNC)、1C (SPDT(B-M))		
Contact Material	Ag Alloy		
Contact Rating (resistive)	1A	1B	1C
	35A/14VDC	25A/14VDC	NO: 35A/14VDC, NC: 25A/14VDC
Max. Switching Voltage	75VDC		
Max. Switching Current	35A		
Max. Switching Power	490W		
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.)	Operate Time	Release Time *See notes
	Rated	Max.	1.6W	1W				
6V	6V	7.8V	22.5	35	4.2V	0.6V	≤10 ms	≤10 ms *1)
12V	12V	15.6V	90	140	8.4V	1.2V		
24V	24V	31.2V	360	560	16.8V	2.4V	≤15 ms	≤15 ms *2)

Notes: *1) With resistance + 5ms; With diode + 10ms

*2) With diode + 10ms

Operation condition

Insulation Resistance		100MΩ Min. (at 500VDC)
Dielectric Strength	Between Contacts	50Hz 500VAC / 1 minute
	Between Coil and Contacts	50Hz 750VAC / 1 minute
Shock resistance		100m/s ² 11ms
Vibration resistance		10~40Hz double amplitude 1.27mm
Terminals strength		100N, 50N(for PCB type)
Solderability		235°C±2°C 3±0.5s
Ambient Temperature		-40°C~+85°C
Relative Humidity		85% (at 40°C)
Weight(Approx.)		20g

Layout (Bottom views, Unit: mm)

Dimensions / Wiring diagram (Bottom views)

Plug in type

PCB type

Terminal Layout PCB type (Bottom view)

Terminal Layout Plug in type (Bottom views)

Wiring diagram (Bottom views)

- Coil: standard
- Coil: with Resistance
- Coil: with Diode
- SPST(1A)
- SPST(1B)
- SPDT(1C)

Reference Data

