



Plug in type

PCB type

Features

- Miniature;
- Contact load capacity up to 80A;
- Terminal types as inserting/PCB;
- Suitable for automobile;
- Sealed type available (sealed only for without bracket version) .

Ordering Information

<u>WM640</u>	<u>- 12</u>	<u>- A</u>	<u>- B</u>	<u>R</u>	<u>P</u>	<u>S</u>
1	2	3	4	5	6	7
1 Part number: WM640						
2 Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V						
3 Contact Form: A: 1A; B: 1B; C: 1C						
4 Cover: B: Insulation Bracket; M: Metal Bracket; Nil: No Bracket						
5 Coil transient suppression: D: with diode.; R: with resistance; Nil: standard						
6 Terminals: P: PCB type; Nil: plug in type						
7 Enclosure: S: Sealed (only for without bracket version); Nil: unsealed						

Contact Data

Contact Form	1A (SPSTNO)、1B (SPSTNC)、1C (SPDT(B-M))		
Contact Material	Ag Alloy		
Contact Rating (resistive)	1A	1B	1C
	80A/14VDC	60A/14VDC	NO:80A/14VDC NC:60A/14VDC
Max. Switching Voltage	75VDC		
Max. Switching Current	80A		
Max. Switching Power	1120W		
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 *See notes
	Rated	Max.						
6V	6V	7.8V	20	3.9V	0.6V	1.8W	≤10 ms	≤10 ms *1)
12V	12V	15.6V	80	7.8V	1.2V			
24V	24V	31.2V	320	15.6V	2.4V		≤15 ms	≤15 ms *2)

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

*2) With diode + 10ms

