

Automotive Relays **WM626H**

L×W×H(mm):26.5×26.5×23.5(+16)



QC Type

PCB Type

**Features**

- Miniature;
- Contact load capacity up to 80A;
- Terminal types QC and PCB type available;
- Plastic sealed and dust protected type available.

**Ordering Information**

<u>WM626H</u>	<u>- 12</u>	<u>- A</u>	<u>- B</u>	<u>-R</u>	<u>-P</u>	<u>-S</u>	<u>xxx</u>
1	2	3	4	5	6	7	8
1 Part number: WM626H							
2 Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V; 48: 48V							
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: QC type							
7 Enclosure: S: Sealed; Nil: unsealed							
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
	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 <sup>5</sup> ops		
Mechanical Life	1×10 <sup>7</sup> 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	22.5	3.9V	0.6V	1.6W	≤10 ms	≤10 ms *1)
12V	12V	15.6V	90	7.8V	1.2V			
24V	24V	31.2V	360	15.6V	2.4V			
48V	48V	62.4V	1440	31.2V	4.8V			
							≤15 ms	≤15 ms *2)
							≤20 ms	≤20 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		294m/s <sup>2</sup>
Vibration resistance		10~55Hz double amplitude 3.0mm
Terminals strength		100N
Solderability		250°C±3°C 5±0.5s
Ambient Temperature		-40°C ~ +85°C
Relative Humidity		85% (at 40°C)
Weight(Approx.)		38g, 41g(Insulation Bracket), 46g(Metal Bracket)

### Layout (Bottom views, Unit: mm)

Dimensions / Terminal Layout (Bottom views)

Insulation Bracket      Metal Bracket      Standard

PCB type      PCB Terminal (Bottom views)      PCB Layout (Bottom views)      QC Terminal (Bottom views)

Wiring diagram (Bottom views)

Coil: standard      Coil: with Resistance      Coil: with Diode

1A      1B      1C

Wiring diagram (Bottom views)

### Reference Data

1. Coil operating voltage range

