

Automotive Relays **WM626**

L×W×H(mm):26.5×26.5×23.5(+16)

**Features**

- Miniature;
- Contact load capacity up to 60A/40A;
- Terminal types QC available;
- Plastic sealed and dust protected type available.

Ordering Information

WM626	- 12	- A	- B	-R	-P	-S	60	xxx
1	2	3	4	5	6	7	8	9
1 Part number: WM626								
2 Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V; 48: 48V								
3 Contact Form: A: 1A; B: 1B; C: 1C; U: 1U; 2A: 2 Form A								
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 Contact load: 60: 60A/14VDC; Nil: 40A/14VDC								
9 xxx: Customer special specification								

Contact Data

Contact Form	1A (SPSTNO)、1B (SPSTNC)、1C (SPDT(B-M))、1U/2A (SPSTNODM)				
Contact Material	Ag Alloy				
Contact Rating (resistive)		1A	1B	1C	1U、2A
	40A	40A/14VDC	30A/14VDC	NO: 40A/14VDC NC: 30A/14VDC	2×20A/14VDC
	60A	60A/14VDC	40A/14VDC	NO: 60A/14VDC NC: 40A/14VDC	2×30A/14VDC
Max. Switching Voltage	75VDC				
Max. Switching Current	60A, 40A				
Max. Switching Power	840W, 560W				
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 resistanceΩ ±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		≤15 ms	≤15 ms *2)
24V	24V	31.2V	360	15.6V	2.4V		≤20 ms	≤20 ms *2)
48V	48V	62.4V	1440	31.2V	4.8V		≤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 ²	
Vibration resistance	10~55Hz double amplitude 3.0mm	
Terminals strength	100N	
Solderability	250°C±3°C 5±0.5s	
Ambient Temperature	-40°C ~ +125°C	
Relative Humidity	85% (at 40°C)	
Weight(Approx.)	28g, 30g(Insulation Bracket), 31g(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)

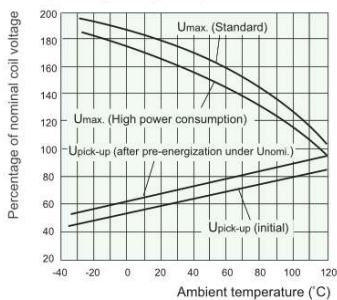
Wiring diagram (Bottom views)

Coil: standard Coil: with Resistance Coil: with Diode 1A 1B 1C 1U 2A

Wiring diagram (Bottom views)

Reference Data

1. Coil operating voltage range



2. Load limit curve

