



Features

- Small size;
- Contact load capacity up to 40A;
- PC board mounting;
- Confirm to RoHS standard;
- Suitable for automation system and automobile auxiliary etc.

Ordering Information

WM734	- 12	- A	- R	- 1.6	xxx
1	2	3	4	5	6
1 Part number: WM734					
2 Coil rated Voltage(VDC): 12: 12V; 24: 24V					
3 Contact Form: A: 1 Form A; C: 1 Form C					
4 Coil transient suppression: R: with resistance; Nil: standard					
5 Coil power: 1.6: 1.6W(standard); 1.2: 1.2W					
6 xxx: Customer special specification					

Contact Data

Contact Form	1A (SPSTNO), 1C (SPDT(B-M))	
Contact Material	Ag Alloy	
Contact Rating (resistive)	1A	1C
	40A/14VDC	NO: 40A/14VDC, NC: 30A/14VDC
Max. Switching Voltage	75VDC	
Max. Switching Current	40A	
Max. Switching Power	560W	
Contact Resistance or Voltage drop	≤100mΩ(0.1A at 6VDC)	
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.)	power consumption	Operate Time	Release Time *See notes
	Rated	Max.	Coil	Parallel resistance					
12V	12V	15.6V	125	680	7.8V	1.2V	1.2W	≤10 ms	≤10 ms *1)
24V	24V	31.2V	500	2700	15.6V	2.4V			
12V	12V	15.6V	90	680	7.8V	1.2V	1.6W	≤15 ms	≤15 ms *2)
24V	24V	31.2V	360	2700	15.6V	2.4V			

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		147m/s ² 11ms
Vibration resistance		10~40Hz double amplitude 1..27mm 40~70Hz 50m/s ² 70~100Hz double amplitude 0.5mm 100~500Hz 100m/s ²
Terminals strength		50N
Solderability		235°C±2°C 3±0.5s
Ambient Temperature		-40°C ~ +85°C 85%RH/40°C
Relative Humidity		95% (at 45°C)
Weight(Approx.)		19g

Layout (Bottom views, Unit: mm)

Dimensions / Wiring diagram (Bottom views)

Terminal Layout (Bottom views)

Wiring diagram (Bottom views)

Reference Data

