

**Features**

- Miniature;
- Contact load capacity up to 120(200)A;
- Suitable for automobile;
- Quick connection for coil;
- Bolt type terminal for contact load.

Ordering Information

<u>WM686</u>	<u>-12</u>	<u>-A</u>	<u>-120</u>	<u>-4.8</u>
1	2	3	4	5
1. Part number: WM686; 2. Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V 3. Contact Form: A:1A; 4. Max. Switching Current: 120: 120A; 200: 200A 5. Coil Rate: 4.8W:Intermittent work; 2.4W: Continuous work				

Contact Data

Contact Form	1A (SPSTNO)
Contact Material	Ag Alloy
Contact Rating (resistive)	120A/14VDC, 200A/14VDC
Max. Switching Voltage	40VDC
Max. Switching Current	120A , 200A
Max. Switching Power	1680W, 2800W
Contact Resistance or Voltage drop	≤100mΩ
Instantaneous shock current	500A 2S (For 120A), 800A 2S (For 200A)
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
	Rated	Max.						
006-4800	6	7.8	7.5	3.9	0.6	4.8W	≤10 ms	≤10 ms
006-2400	6	7.8	15	3.9	0.6	2.4W		
012-4800	12	15.6	30	7.8	1.2	4.8W		
012-2400	12	15.6	60	7.8	1.2	2.4W		
024-4800	24	31.2	120	15.6	2.4	4.8W		
024-2400	24	31.2	240	15.6	2.4	2.4W		

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 1.5mm
Terminals strength		100N
Solderability		235℃±2℃ 3±0.5s
Ambient Temperature		-40℃ ~ +85℃ (Standard); -40℃ ~ +125℃ (Special)
Relative Humidity		85% (at 40℃)
Weight(Approx.)		90g

Layout (Bottom views, Unit: mm)

