

Automotive Relays **WM629**

L×W×H(mm):32×26.5×23.5(+16.5)



Features

- Small size and light weight;
- Contact load capacity up to 30A;
- Blade fuse design;
- Terminal types as inserting ,With metal frame;
- Suitable for automobile and lamp accessories application.

Ordering Information

WM629	- 12	- A	- S	- 15
1	2	3	4	5
1 Part number: WM629				
2 Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V;				
3 Contact Form: A: Form A;				
4 Enclosure: S: Sealed; Nil: unsealed				
5 Fuse load: 12V(15: 15A; 30: 30A); 24V(15: 15A)				

Contact Data

Contact Form	1A (SPSTNO)
Contact Material	Ag Alloy
Contact Rating (resistive)	1A 30A/14VDC
Max. Switching Voltage	75VDC
Max. Switching Current	30A
Max. Switching Power	420W
Contact Resistance or Voltage drop	≤50mΩ
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	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			

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 1.5mm
Terminals strength		100N
Solderability		235°C±2°C 3±0.5s
Ambient Temperature		-40°C ~ +85°C
Relative Humidity		85% (at 40°C)
Weight(Approx.)		32g

Layout (Bottom views, Unit: mm)

Dimensions / Wiring diagram (Bottom views)

