

Automotive Relays YD734

L×W×H(mm):23×15.3×25.5


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

<u>YD734</u>	- <u>12</u>	- <u>H</u>	- <u>R</u>
1	2	3	4
1 Part number: WM734			
2 Coil rated Voltage(VDC): 6: 6V; 12: 12V; 24: 24V; 36:36V			
3 Contact Form: H: 1H ; Z:1Z			
4 Coil transient suppression: R: with resistance; Nil: standard			

Contact Data

Contact Form	1H (SPSTNO)	
Contact Material	Ag Alloy	
Contact Rating (resistive)	1H	1Z
	40A/14VDC	40A/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 Times	
Mechanical Life	1×10 ⁷ Times	

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.						
6V	6V	7.8V	55	3.9V	0.6V	0.65W	≤7 ms	≤5 ms
12V	12V	15.6V	220	7.8V	1.2V			
24V	24V	31.2V	880	15.6V	2.4V			
36V	36V	46.8	1990	23.4	3.6V			



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		100N
Solder ability		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)

SPST(1H) SPST(1H)with R Coil: standard Coil: with Resistance SPST(1Z) Coil: with Diode

Reference Data

