



Automotive Relays

Type	YD 678	YD 682
Appearance		
Dimension: LxWxH(mm)	32.5×26×44	66×48×52
Ordering information:	YD678 - 12 - A - M - R - S 1 2 3 4 6	WM682 - 12 - A - D - S - Q - XXX 1 2 3 4 5 6
1 Coil Voltage(VDC)	DC 12;24	DC 12;24;48
2 Contact Arrangement	A:1A	A:1A
3 Version(Bracket)	with metal bracket	/
4 Coil Parallel with ()	D:Diode; R:resistance; Nil:Standard	D:Diode; R:resistance; Nil:Standard
5 Terminal type	/	Nil:Wire type(without quick connector) Q:Wire type(with quick connector)
6 Structure	S:Sealed version; Nil:Dust proof	S:Sealed version
Contact Material	AgNi, AgSnO ₂	AgSnO ₂
Coil power(W)	1.3W,1.5W	2.4W
Contact transfer Current (A)	40A	150A
Contact Rating	NO:40A 14VDC	NO:35A 110VDC NO:45A 96VDC NO:150A 14VDC
Max. Switching Voltage	75VDC	200VDC
Max. Switching Power	560W	60KW
Ambient Temperature	- 40°C ~ +125°C	- 40°C ~ +125°C
"Dielectric Strength" Between Contacts	50Hz 500VAC	50Hz 500VAC
"Dielectric Strength" Between Coil and Contacts	50Hz 750VAC	50Hz 750VAC
Insulation Resistance	100mΩ	100mΩ
Contact Resistance(mΩ)	≤100mΩ	≤100mΩ
Electrical Life	1×10 ⁵	5×10 ⁴
Mechanical Life	1×10 ⁷	1×10 ⁷
"Mounting Layout (Bottom View)(mm)"		
Wiring diagram		
Weight(Approx.)	38g	90g
Cross Reference	KKY02-67-740	

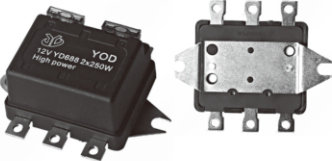
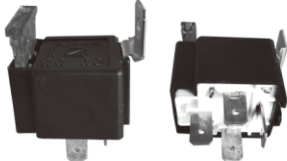
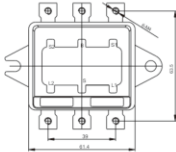
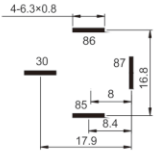
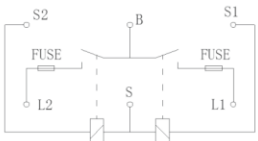
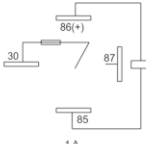
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YD 686	YD 686-T	YD 696
46×46×45(+18)	46×46×45(+18)	44×44×26.7
YD686 - 12 - A - R - S 1 2 4 6	YD686-T - 12 - A - R - S 1 2 4 6	YD696- 12- A 1 2
DC 6;12;24	DC 6;12;24	DC 12;18;24;48
A:1A	A:1A	A: 1A ; B: 1B ; C: 1C
/	/	/
D:Diode; R:resistance; Nil:Standard	D:Diode; R:resistance; Nil:Standard	/
/	/	/
S:Sealed version; Nil:Dust proof	S:Sealed version; Nil:Dust proof	S:Sealed version; Nil:Dust proof
AgNi, AgSnO2	AgNi, AgSnO2	AgNi, AgSnO2
2.4W,4.8W	2.4W,4.8W	1.6W
NO:120A 14VDC NO:200A 14VDC	NO:120A 14VDC NO:200A 14VDC	NO:70A 240VAC NC:50A 240VAC
75VDC	75VDC	300VAC
1680W/2800W	1680W/2800W	16800VA
-40°C ~ +105°C	-40°C ~ +105°C	-40°C ~ +105°C
50Hz 500VAC	50Hz 500VAC	50Hz 2000VAC
50Hz 750VAC	50Hz 750VAC	50Hz 4000VAC
100mΩ	100mΩ	100mΩ
≤100mΩ	≤100mΩ	≤100mΩ
1×10 ⁵	1×10 ⁵	1×10 ⁵
1×10 ⁷	1×10 ⁷	1×10 ⁷
90g	90g	70g
RL180/12V; RL180/24V		




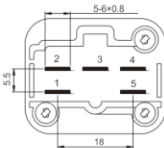
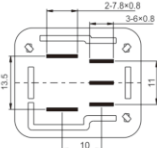
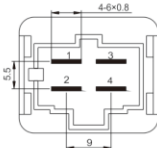
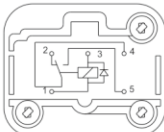
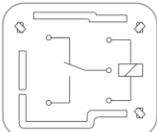
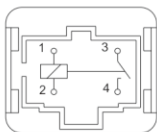


Automotive Relays

Type		YD 688	YD 689
Appearance			
Dimension: LxWxH(mm)		61.4×50.7×34.2	33×25.2×21
Ordering information:		YD 688 - 12 - A - 30 1 2 6	YD689 - 12 - A - M- 30A 1 2 3 6
1	Coil Voltage(VDC)	DC 6;12;24	DC 6;12;24
2	Contact Arrangement	A:2A	A:1A
3	Version(Bracket)	/	M:with metal bracket
4	Coil Parallel with()	/	/
5	Terminal type	/	/
6	Structure	with fuse:15A ; 20A ; 25A ; 30A	with fuse: 15A; 30A
Contact Material		AgNi, AgSnO2	AgNi, AgSnO2
Coil power(W)		2.88W	1.8W
Contact transfer Current (A)		60A	30A
Contact Rating		2×30A/14VDC	1A: 3A 14VDC
Max. Switching Voltage		75VDC	75VDC
Max. Switching Power		2×420W	420W
Ambient Temperature		-40℃ ~ +125℃	-40℃ ~ +125℃
"Dielectric Strength"	Between Contacts	50Hz 500VAC	50Hz 500VAC
	Between Coil and Contacts	50Hz 750VAC	50Hz 750VAC
Insulation Resistance		100mΩ	100mΩ
Contact Resistance(mΩ)		≤100mΩ	≤100mΩ
Electrical Life		1×10 ⁵	1×10 ⁵
Mechanical Life		1×10 ⁷	1×10 ⁷
"Mounting Layout (Bottom View)(mm)"			
Wiring diagram			
Weight(Approx.)		152g	32g
Cross Reference		/	Tyco: VFS

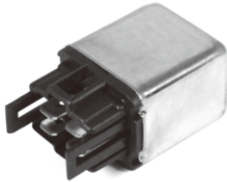

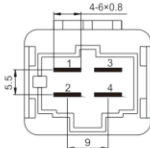
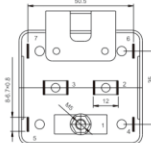
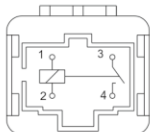
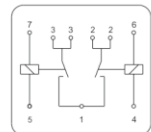
Automotive Relays



YD 716	YD 718	YD 726
		
33×27.5×35	32×28×33	28×23.3×30
YD716 - 12 - A - R 1 2 4	YD718 - 12 - A - R 1 2 4	YD726 - 12 - A - B - R - MB 1 2 3 4
DC 6;12;24	DC 6;12;24	DC 6;12;24
A: 1A; C: 1C	A: 1A; C: 1C	A: 1A
/	/	B: Mounted; M: Metal; Nil: No Bracket
D: Diode; R: resistance; Nil: Standard	D: Diode; R: resistance; Nil: Standard	D: Diode; R: resistance; Nil: Standard
/	/	/
Dust proof	Dust proof	Dust proof
AgNi, AgSnO ₂	AgNi, AgSnO ₂	AgNi, AgSnO ₂
1.6W	1.6W	1.6W
30A	40A	40A
NO:30A 14VDCNC:20A 14VDC	NO:30A 14VDCNC:20A 14VDC	NO:40A 14VDCNC:30A 14VDC
75VDC	75VDC	75VDC
420W	420W	630W
-40°C ~ +105°C	-40°C ~ +125°C	-40°C ~ +125°C
50Hz 500VAC	50Hz 500VAC	50Hz 500VAC
50Hz 750VAC	50Hz 750VAC	50Hz 750VAC
100mΩ	100mΩ	100mΩ
≤100mΩ	≤100mΩ	≤100mΩ
1×10 ⁵	1×10 ⁵	1×10 ⁵
1×10 ⁷	1×10 ⁷	1×10 ⁷
		
		
39g	40g	31g
OE: 056700-6210	OE: 90987-04002	Songchuan 804



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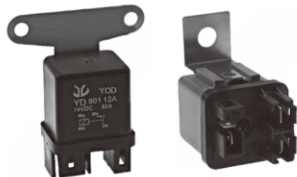

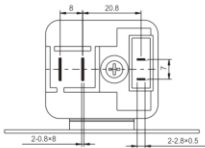
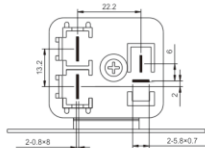
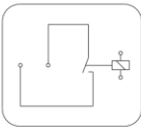
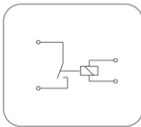
Type	YD 726M	YD 728
Appearance		
Dimension: LxWxH(mm)	28×23.3×30	59×55×36
Ordering information:	YD726 - 12 - A - R 1 2 4	YD728 - 12 - U 1 2
1 Coil Voltage(VDC)	DC 6;12;24	DC 6;12;24
2 Contact Arrangement	A:1A	U:1U
3 Version(Bracket)	Metal cover	/
4 Coil Parallel with ()	D:Diode; R:resistance; Nil:Standard	D:Diode; R:resistance; Nil:Standard
5 Terminal type	/	/
6 Structure	Dust proof	Dust proof
Contact Material	AgNi, AgSnO2	AgNi, AgSnO2
Coil power(W)	1.6W	1.6W
Contact transfer Current (A)	40A	40A
Contact Rating	NO:40A 14VDC NC:30A 14VDC	NO:2×40A/14VDC
Max. Switching Voltage	75VDC	75VDC
Max. Switching Power	630W	2 X 630W
Ambient Temperature	-40°C ~ +105°C	-40°C ~ +105°C
"Dielectric Strength"	Between Contacts	50Hz 500VAC
	Between Coil and Contacts	50Hz 750VAC
Insulation Resistance	100mΩ	100mΩ
Contact Resistance(mΩ)	≤100mΩ	≤100mΩ
Electrical Life	1×10 ⁵	1×10 ⁵
Mechanical Life	1×10 ⁷	1×10 ⁷
"Mounting Layout (Bottom View)(mm)"		
Wiring diagram		
Weight(Approx.)	33g	136g
Cross Reference	MB-141967	/



YD 730	YD 732	YD 734
28×28×25.5	36×36×46	23×15.3×25.5
YD730 - 12 - A - R 1 2 4	YD732 - 12 - A - R 1 2 4	Yd734 - 12 - A - R 1 2 4
DC 6;12;24	DC 6;12;24	DC 6;12;24
A:1A;B:1B; C:1C	A:1A;B:1B; C:1C	A:1A;B:1B; C:1C
/	/	/
D:Diode; R:resistance; Nil:Standard	D:Diode; R:resistance; Nil:Standard	D:Diode; R:resistance; Nil:Standard
/	/	/
Dust proof	Dust proof	Dust proof
AgNi, AgSnO2	AgNi, AgSnO2	AgNi, AgSnO2
1.6W	1.6W	1.3W,1.5W
40A	40A	35A
NO:40A 14VDC NC:30A 14VDC	NO:40A 14VDC NC:30A 14VDC	NO:35A 14VDC NC:25A 14VDC
75VDC	75VDC	75VDC
630W	630W	560W
-40°C ~ +105°C	-40°C ~ +125°C	-40°C ~ +125°C
50Hz 500VAC	50Hz 500VAC	50Hz 500VAC
50Hz 750VAC	50Hz 750VAC	50Hz 750VAC
100mΩ	100mΩ	100mΩ
≤100mΩ	≤100mΩ	≤100mΩ
1×10 ⁵	1×10 ⁵	1×10 ⁵
1×10 ⁷	1×10 ⁷	1×10 ⁷
29g	40g	21g
Tyco: VF28; Omron:G8W; Songchuan:898	/	TYCO: VJ28, Omron G8V, Matsushita:CV




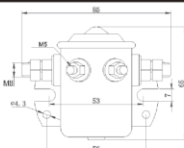
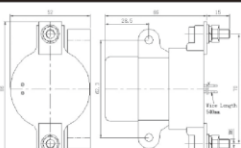
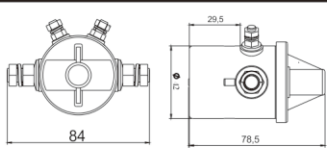
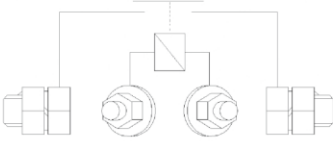
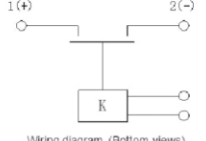
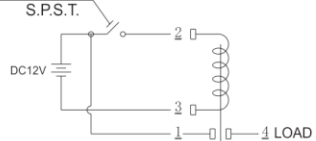


Automotive Relays

Type		YD 901	YD 902
Appearance			
Dimension: LxWxH(mm)		40×35×40	40×35×40
Ordering information:		YD901 - 12 - A - R 1 2 4	YD902 - 12 - A - R 1 2 4
1	Coil Voltage(VDC)	DC 12;24V	DC 12;24V
2	Contact Arrangement	A:1A	A:1A
3	Version(Bracket)	/	/
4	Coil Parallel with ()	R:with resistor; D:with diode	R:with resistor; D:with diode
5	Terminal type	/	/
6	Structure	/	/
Contact Material		AgNi, AgSnO2	AgNi, AgSnO2
Coil power(W)		8W	8W
Contact transfer Current (A)		80A	80A
Contact Rating		NO:80A 14VDC	NO:80A 14VDC
Max. Switching Voltage		75VDC	75VDC
Max. Switching Power		1120W	1120W
Ambient Temperature		-40°C ~ +105°C	-40°C ~ +105°C
"Dielectric Strength"	Between Contacts	50Hz 500VAC	50Hz 500VAC
	Between Coil and Contacts	50Hz 750VAC	50Hz 750VAC
Insulation Resistance		100mΩ	100mΩ
Contact Resistance(mΩ)		≤100mΩ	≤100mΩ
Electrical Life		1×10 ⁵	1×10 ⁵
Mechanical Life		1×10 ⁷	1×10 ⁷
"Mounting Layout (Bottom View)(mm)"			
Wiring diagram			
Weight(Approx.)		80g	83g
Cross Reference		/	/

Automotive Relays



YD 812	YD 816	YD 822
		
85×65×65	85×52×66	
YD 812- 12- A 1	YD 816- 24- 200A 1 2	YD 822- 12- A 1
DC 12;24V	DC 6;12;24;48V	DC 6-48V Universal
A:1A	/	A:1A
/	/	/
/	/	/
/	/	/
AgNi, AgSnO2	/	/
4.8W	5W	3.9W
200A	200A	200A
NO:200A/14VDC	1A:100A/48VDC 1A:200A/48VDC	1A:200A/14VDC
75VDC	75VDC	75VDC
2800W	9600W	9600W
- 40°C ~ +125°C	- 40°C ~ +125°C	- 40°C ~ +125°C
50Hz 500VAC	50Hz 500VAC	50Hz 500VAC
50Hz 750VAC	50Hz 750VAC	50Hz 750VAC
100mΩ	100mΩ	100mΩ
≤50mΩ Max.(6V 1A)	≤50mΩ Max.(6V 1A)	≤50mΩ Max.(6V 1A)
1×10 ³	1×10 ³	1×10 ³
1×10 ⁷	1×10 ⁷	1×10 ⁷
		
	 Wiring diagram (Bottom views)	
351g	330g	
/	/	