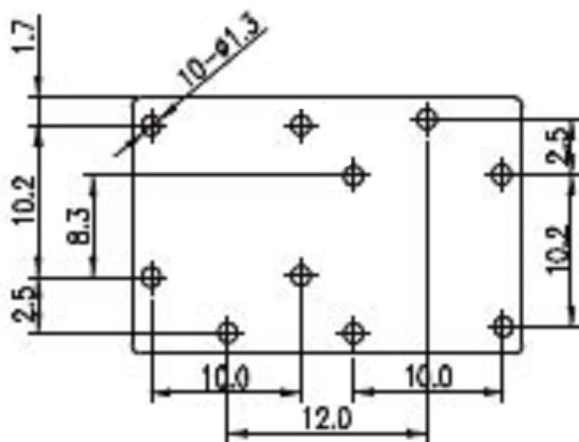




Przełącznik JM-SH-212L 12VDC;2x20A; 2xSPDT;GOODSKY



Dane techniczne:

Nazwa: JM-SH-212L

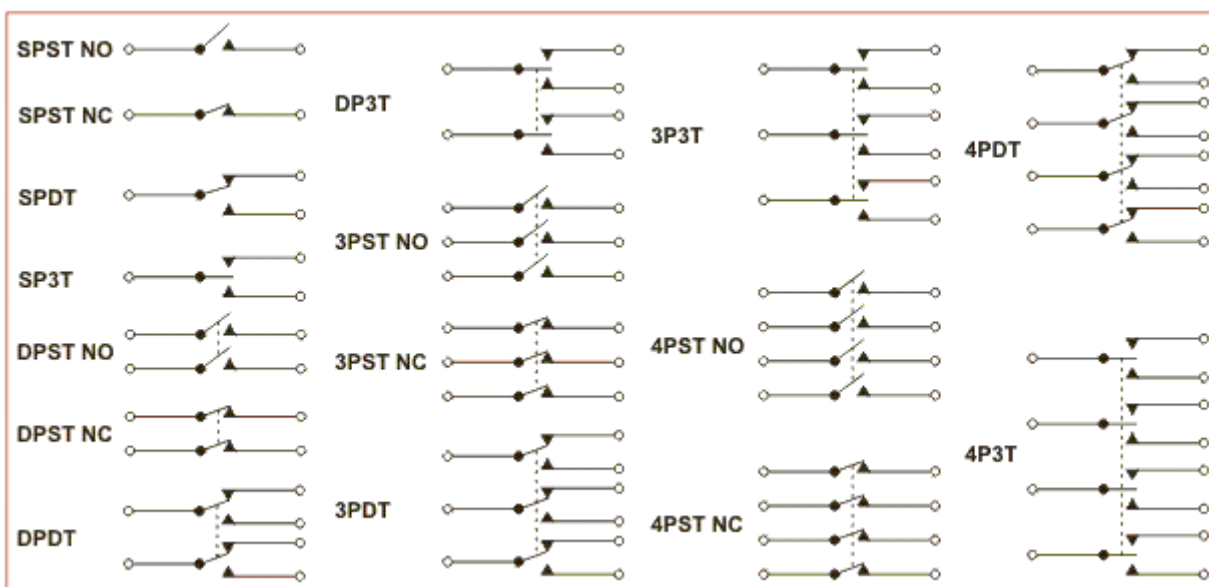
Wersja przełącznika: samochodowy

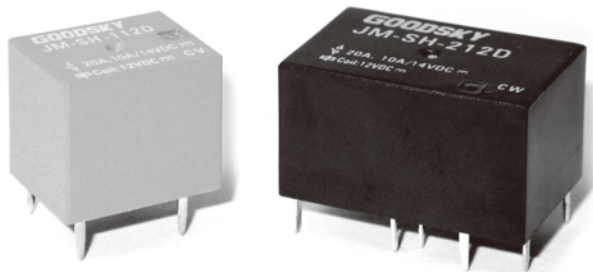
Konfiguracja styków: 2xSPDT

Napięcie cewki nominalne: 12VDC

Prąd styków maks. : 2x20A

Producent: GOODSKY





MAIN FEATURE

1. Smaller size with the capability of 25A inrush current.
2. Applicable for automotive electrical systems.
3. Distinctive twin relay structure on JM-2 providing high performance for the use of automotive.
4. Resistance to environment with shock and vibration.
5. Comply with RoHS, REACH and ELV regulations.

CONTACT RATING

Load Type	JM-1P (DM/LM)	JM-1P (D/L)	JM-2P (DM/LM)	JM-2P (D/L)
Rated Load (Resistive)	10A 14VDC	10A 14VDC	10A 14VDC	10A 14VDC
Rated Load (Motor) at 0.5s ON, 9.5s OFF	20A 14VDC	20A 14VDC	20A 14VDC	20A 14VDC
Rated Carrying Current	10A	10A	10A	10A
Max. Allowable Voltage	60VDC	60VDC	60VDC	60VDC
Max. Allowable Current	20A	20A	20A	20A
Max. Allowable Power Force	280W	280W	280W	280W
Contact Material	Ag Alloy	Ag Alloy	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT	2 x SPST	2 x SPDT

APPLICATION

Power Window Control, Auto Door Lock Control,
Power Mirror Control, Seat Adjustment, Wiper Control

PERFORMANCE (AT INITIAL VALUE)

- Contact Resistance 100 mΩ Max.@1A,6VDC
- Operate Time.....10 mSec. Max.
- Release Time 10 mSec. Max.
- Dielectric Strength:
 - Between Coil & Contact.....500VAC at 50/60 Hz
For one minute
 - Between Contacts500VAC at 50/60 Hz
for one minute
- Surge Strength1,500V (between coil
& contact 1.2x50μSec.)
- Insulation Resistance.....100 MegaΩ Min. at
500VDC
- Max. On/Off Switching:
 - Electrical6 Cycles per Minute
 - Mechanical.....300 Cycles per Minute

- Temperature Range -40~+85°C
- Humidity Range 45~85% RH.
- Coil Temperature Rise 70°C Max.
- Vibration:
 - Destruction 10 to 55 to 10 Hz,0.75 mm single
amplitude (1.5mm double amplitude)
 - Malfunction 10 to 55 to 10 Hz,0.75 mm single
amplitude (1.5mm double amplitude)
- Shock:
 - Destruction 1,000 m/S²
 - Malfunction 100 m/S²
- Life Expectancy:
 - Mechanical 10⁷ Operations at No
load condition
 - Electrical 10⁵ Operations at Rated
Resistive Load
- Weight About 5.2g for 1P
About 10.2g for 2P

SAFETY STANDARD & FILE NUMBER

- NIL

COIL SPECIFICATION (AT 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
JM-D	6	133	45	Abt. 0.8	60% Maximum	5% Minimum	150% (for short time carrying current)
	9	90	100				
	10	74	135				
	12	66.7	180				
	24	33.3	720				
JM-L	6	100	60	Abt. 0.6			
	9	66.7	135				
	10	55.6	180				
	12	50	240				

ORDERING INFORMATION

JM - SS - 1 12 D M

Contact Form:

Nil: One Form C

M: One Form A

B: One Form B

Coil Sensitivity:

D: Standard DC

L: High DC

Coil Voltage:

06: 6V, 09: 9V, 10: 10V, 12: 12V, 24: 24V

Number of Set:

1: One Set

2: Two Sets

Type of Sealing:

SS: RT II Flux Proofed

SH: RT III Wash Tight

Type:

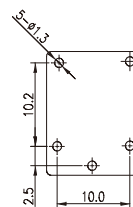
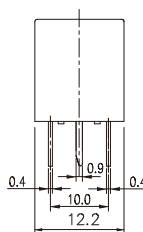
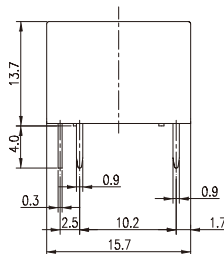
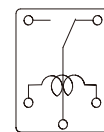
JM

CLASSIFICATION

Model	JM											
Coil Sensitivity	Standard DC						High DC					
Number of Pole	1 Set			2 Sets			1 Set			2 Sets		
Contact Form	1C	1A	1B	2C	2A	2B	1C	1A	1B	2C	2A	2B
Flux Proofed	1C : JM-SS-1□□D			2C : JM-SS-2□□D			1C : JM-SS-1□□L			2C : JM-SS-2□□L		
	1A : JM-SS-1□□DM			2A : JM-SS-2□□DM			1A : JM-SS-1□□LM			2A : JM-SS-2□□LM		
	1B : JM-SS-1□□DB			2B : JM-SS-2□□DB			1B : JM-SS-1□□LB			2B : JM-SS-2□□LB		
Wash Tight	1C : JM-SH-1□□D			2C : JM-SH-2□□D			1C : JM-SH-1□□L			2C : JM-SH-2□□L		
	1A : JM-SH-1□□DM			2A : JM-SH-2□□DM			1A : JM-SH-1□□LM			2A : JM-SH-2□□LM		
	1B : JM-SH-1□□DB			2B : JM-SH-2□□DB			1B : JM-SH-1□□LB			2B : JM-SH-2□□LB		

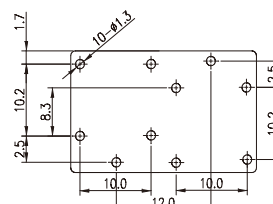
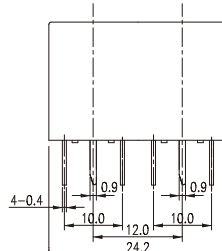
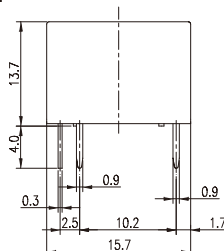
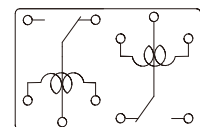
DIMENSION ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

JM-1

P.C.B Layout
Bottom View

Bottom View

JM-2

P.C.B Layout
Bottom View

Bottom View

V.01EZ