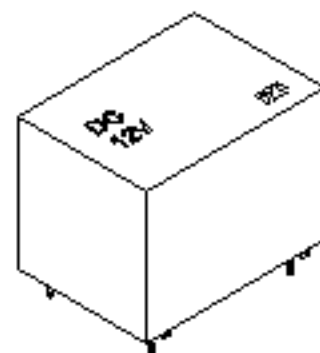


## H-Bridge Motor Reversing Relay

### FEATURES

- Small size & light weight
- H Bridge motor reversing arrangement
- Switching capacity up to 20A
- Use for power window, power sunroof, etc.
- Sealed type is available.



### SPECIFICATIONS

#### COIL RATING (At 20°C)

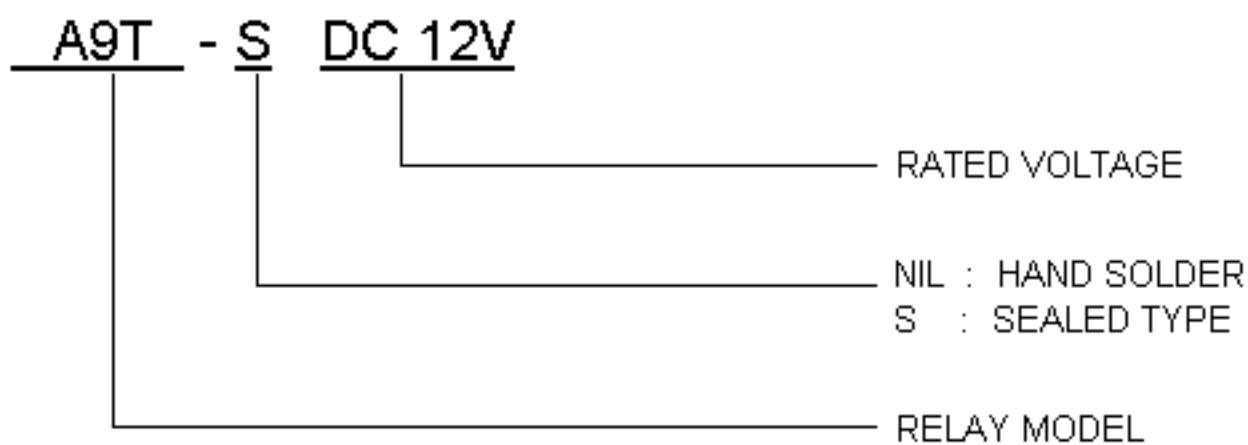
RATED VOLTAGE (V DC)	COIL RESISTANCE ( $\Omega$ +/- 10 %)	MUST OPERATE VOLTAGE (V DC)	MUST DROPOUT VOLTAGE (VDC)	ALLOWABLE VOLTAGE RANGE (VDC)	POWER CONSUMPTION (W)
		% OF RATED VOLTAGE (AT +20°C)			
12	225	60 Max.	8 Min.	16	0.64

### CHARACTERISTICS

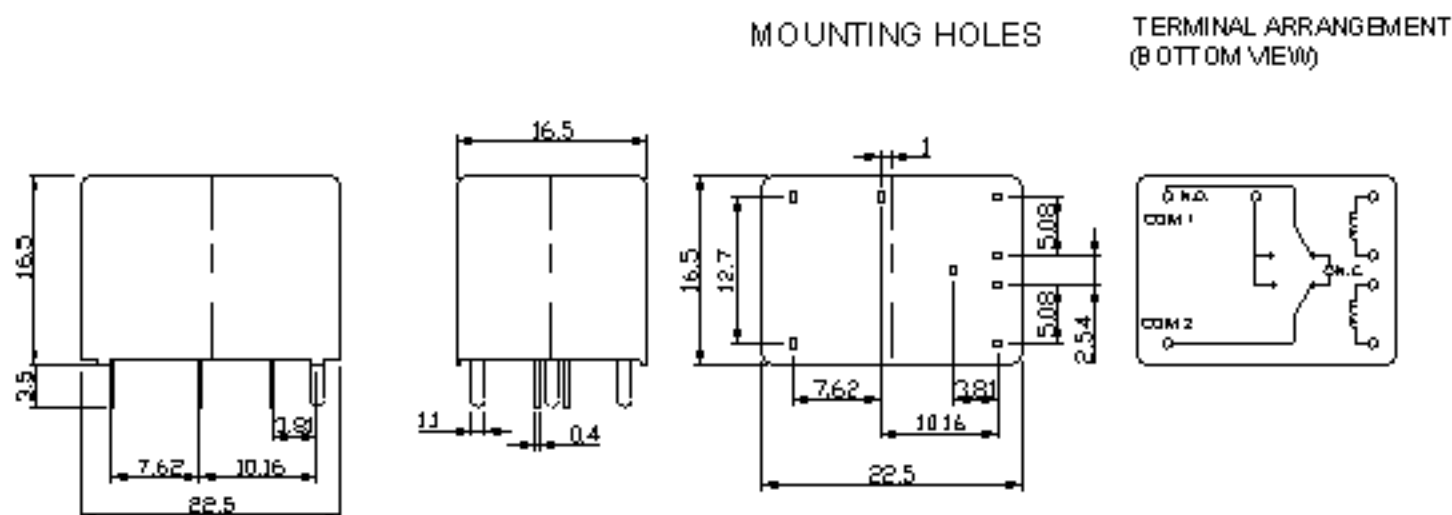
Contact Arrangement	2 X 1 FORM C (H Bridge)
Contact Material	Silver Alloy
Contact Resistance	50m $\Omega$ Max.
Contact Rating (Resistive Load)	20A 14VDC
Switching Power	280W
Switching Voltage	16VDC
Operate Time	10ms Max.
Release Time	10ms Max.
Insulation Resistance	100M $\Omega$ Min. (At 500V DC)
Dielectric Strength	1000VAC (50Hz/min) between open contacts 1000VAC (50Hz/min) between coil and contacts
Shock Resistance	98m/s <sup>2</sup> (10g) Min. (Functional) 98m/s <sup>2</sup> (100g) Min. (Destructive)
Vibration	4.5g Approx. 10 to 100Hz
Ambient Temperature	-40°C to +85°C
Operation Life	Mechanical : 10 <sup>6</sup> Electrical : 2 x 10 <sup>5</sup> (7A 14VDC Inrush 30A - Motor Load) : 2 x 10 <sup>4</sup> (20A 14VDC - Motor Load)
Weight	15g Approx.

[Specifications are subject to change without notices.]

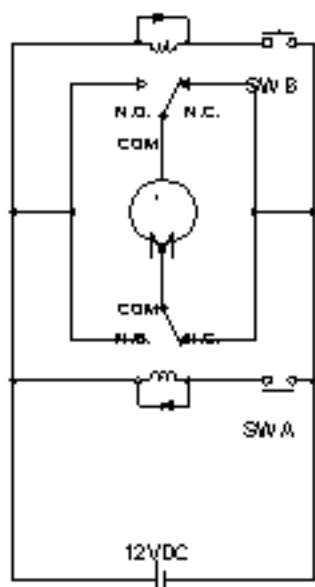
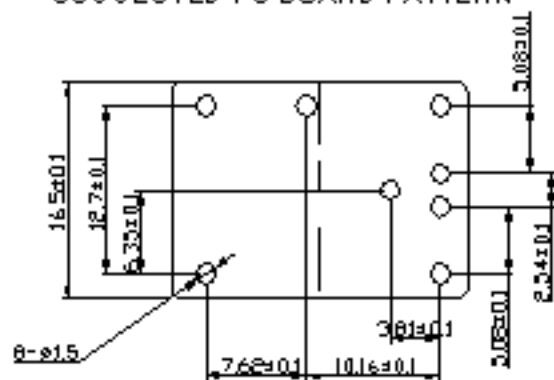
## ORDERING INFORMATION



## DIMENSIONS (UNIT:mm)



### SUGGESTED PC BOARD PATTERN



Example of circuits

SWA	SWB	Motor
OFF	OFF	STOP
ON	OFF	FORWARD
OFF	ON	REVERSE

: Power window motor