Features

NSL relay
Contact rating: 2 x 21W lamp
Contact arrangement: 1 Form A & 1 Form C
High temperature design
Ideal use for control car light
Quick connect terminals

Ordering information

FRC9 C - 2 DC12V
1 2 3 4

1 Relay model 2 Contact arrangement: A: 1 Form A; B: 1 Form B C: 1 Form C 3 Version: NIL: Moulded bracket dust cover; 1 : Plain dust cover; 2: Standard metal bracket; 3 : Special metal bracket	4 Rated voltage Note: RoHS : RoHS compliant relay RoHS-I : AgNi contact RoHS-N: $AgSnO_2$ contact

Coil rating

Rated voltage	Coil resistance	Must operate voltage	Must dropout voltage	Maximum voltage	Operate time	Release time
(V)	Ω+/-10%	% of rated voltage (at 20°C)			(ms)	(ms)
12	0.05 (Remark: For 0.6mm copper wire, 75 turns)	DC7.8V	DC1.2V	DC15.6V	<7	<5

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Characteristics

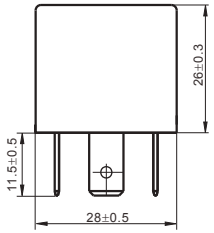
Contact arrangement		SPST (1 Form A or 1 Form B); SPDT (1 Form C)
Contact material		Silver alloy
Contact resistance		50mΩ Max.
Contact rating (resistive)		2 x 21W lamps Max.
Switching power		420W Max.
Switching voltage		DC 75V Max.
Insulation resistance		100MΩ Min. (500VDC)
Dielectric strength		500VAC (50Hz/min)
Shock resistance		147m/s² (No error operation)
Vibration resistance		1.27mm Double amplitude 10-40Hz
Ambient temperature		-40°C to +85°C (Special request: -40°C to +125°C)
Humidity		85% RH, 40°C
Operation life	Mechanical	10^7
	Electrical	5 x 10^4 (at rated load) 1,800ops/hr (Switching frequency)
Weight		30g Approx.

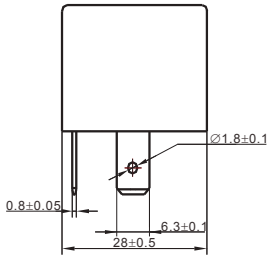
(Specifications are subject to change without notices.)

Dimensions

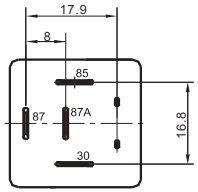
mm

Plain dust cover

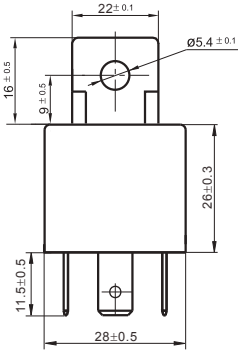


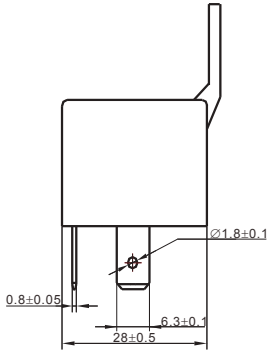


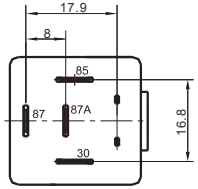
Mounting holes



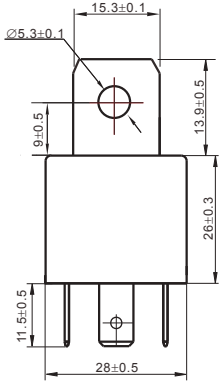
Moulded bracket dust cover

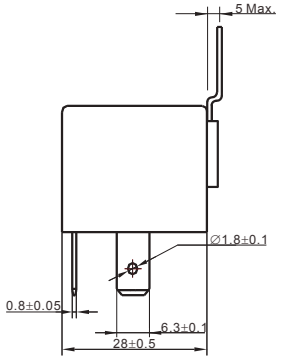


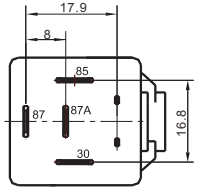




Standard metal bracket



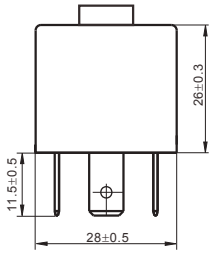


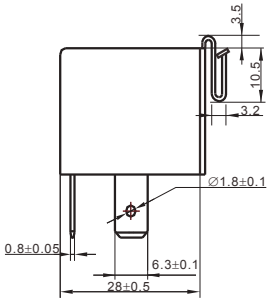


Dimensions

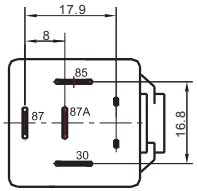
mm

Special metal bracket



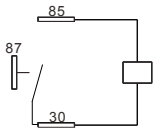


Mounting holes



Wiring diagram
(Bottom view)

1 Form A



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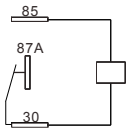

1 Form C