

Features

- 35A contact rating
- High temperature design
- 1 Form A and 1 Form C arrangements
- 2.8mm quick connect
- Ideal use for control car: fuel pump, A/C compressor clutch horn, lighting systems, etc.



Ordering information

ERC8 B A - R DC12V

1 2 3 4 5

1 Relay model	5 Rated voltage
2 Contact rating: NIL: 25A (NO) 20A (NC); B: 35A (NO) 25A (NC)	Note: RoHS : RoHS compliant relay
3 Contact arrangement: A: 1 Form A; C: 1 Form C	RoHS-I : AgNi contact
4 Coil suppression: NIL: Standard type; N: With diode; R : With resistor	RoHS-N: AgSnO ₂ contact

Coil rating

Rated voltage (V)	Coil resistance Ω/+10%	Rated current (mA)	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W) Approx.	Operate time (ms)	Release time (ms)
			% of rated voltage (at 20°C)					
6	27	222	60 Max.	10 Min.	130 Max.	1.3	<10	<7
12	109	110						
24	436	55						

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

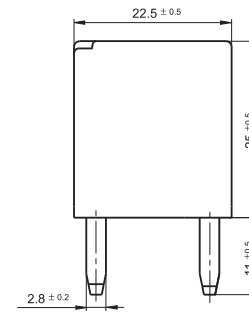
Contact arrangement	SPST (1 Form A); SPDT (1 Form C)	
Contact material	Silver alloy	
Contact resistance	100mΩ Max.	
Contact rating (resistive)	FRC8C : 25A/14VDC (NO) 20A/14VDC (NC) FRC8BC: 35A/14VDC (NO) 25A/14VDC (NC)	
Switching power	560W Max.	
Switching voltage	DC 75V Max.	
Insulation resistance	100MΩ Min. (500VDC)	
Dielectric strength	500VAC (50Hz/min)	
Shock resistance	200m/s ² 11ms(20g)	
Vibration resistance	1.27mm Double amplitude 10-40Hz	
Ambient temperature	-40°C to +85°C (Special request up to 125°C)	
Humidity	85% RH, 40°C	
Operation life	Mechanical	10 ⁷
	Electrical	10 ⁵
Weight	21g Approx.	

(Specifications are subject to change without notices.)

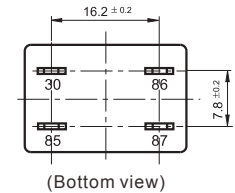
Dimensions

mm

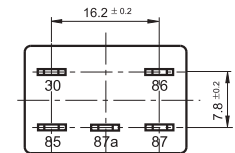
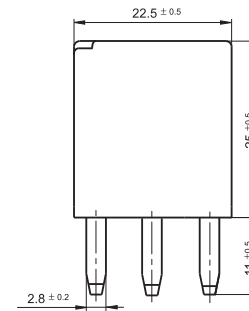
1 Form A



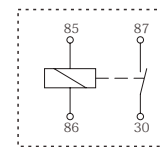
Mounting holes



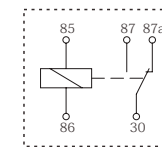
1 Form C



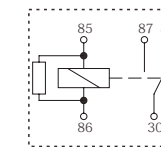
Wiring diagram



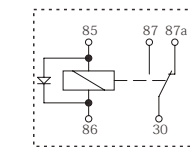
1 Form A



1 Form C



With resistor



With diode

Reference data

