

Features

- Replacement relay
- Fuse design (blade fuse)
- 30A contact rating
- High temperature design
- Ideal for use in control car
- Quick connect terminal



Ordering information

ERC5 B A DC12V

1 2 3 4

- 1 Relay model
- 2 Contact rating: NIL: 15A/14VDC
B : 30A/14VDC
- 3 Contact arrangement: A: 1 Form A (SPST)

- 4 Rated voltage
- Note: RoHS : RoHS compliant relay
RoHS-I : AgNi contact
RoHS-N: AgSnO₂ contact

Coil rating

Rated voltage (V)	Coil resistance Ω +/- 10%	Rated current (mA)	Must operate voltage % of rated voltage (at 20°C)	Must dropout voltage	Maximum voltage	Power consumption (W) Approx.	Operate time (ms)	Release time (ms)
6	20	300	65 Max.	10 Min.	130 Max.	1.8	<7	<5
12	80	150						
24	320	75						

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)	
Contact material	Silver alloy	
Contact resistance	50mΩ Max.	
Contact rating (resistive)	FRC5 : 15A/14VDC (15A fuse) FRC5B : 30A/14VDC (30A fuse)	
Switching power	420W Max.	
Switching voltage	DC 75V Max.	
Insulation resistance	100MΩ Min. (500VDC)	
Dielectric strength	500VAC (50Hz/min)	
Shock resistance	20g Approx.	
Vibration resistance	1.27mm Double amplitude 10-40Hz	
Ambient temperature	-40°C to +85°C (Special request up to 105°C)	
Humidity	85% RH, 40°C	
Operation life	Mechanical	10 ⁷
	Electrical	10 ⁵ (at rated load)
Weight	32g Approx.	

(Specifications are subject to change without notices.)

Dimensions

mm

