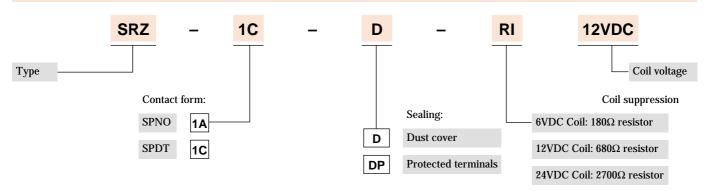


# **Automotive Power Relay**

- 35A/14VDC rating
- Operating temperature 125°C
- Standardised design for plug-in quick connect terminals



## Options and ordering codes



#### **Contact rating**

Contact form	1A (SPNO)	1C (SPDT)		
Maximum switching power	490W	NO: 490W NC: 280W		
Maximum switching voltage	30VDC			
Maximum switching/carry current	35A	NO: 35A NC: 20A		

## **Specifications**

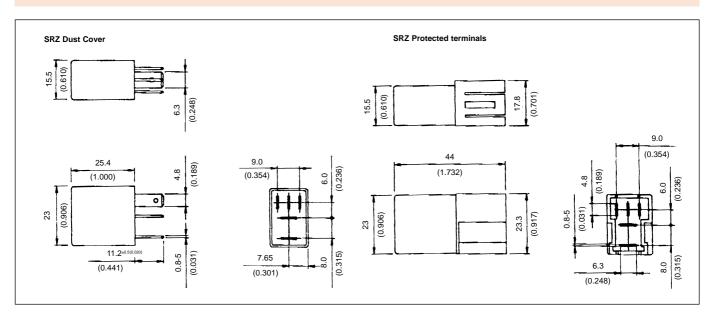
Contact material		Special silver alloy			
Contact voltage drop		NO: 200mV maximum at 15A NC: 250mV maximum at 10A (initial value)			
Operate time		10ms maximum			
Release time		10ms maximum			
Nominal operating power		Approximately 1.2W			
Insulation resistance		20MΩ minimum (DC 500V)			
Breakdown voltage	Between coil and contacts	500VAC (for 1 minute)			
	Between open contacts	500VAC (for 1 minute)			
Vibration resistance		10-500Hz, 5.0G (operating)			
Shock resistance		10G (operating)			
Ambient temperature		-40~+125°C (storage -40~+155°C)			
Life expectancy	Mechanical	1 x 10 <sup>7</sup> operations (frequency 18,000 operations/hour)			
	Electrical (at max load)	1 x 10 <sup>s</sup> operations (frequency 1,800 operations/hour)			
Weight		20g			



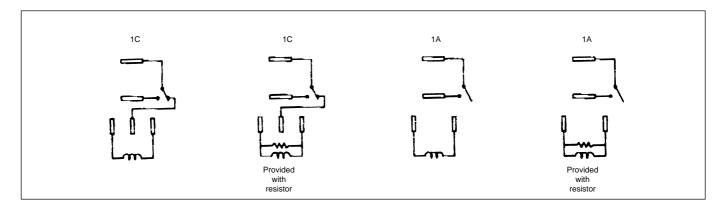
# Coil specification

Rated voltage	Rated Current ± 10% at 25°C (mA)	Coil Resistance ± 10% at 25°C (Ω)	Max continuous voltage at 25°C	Pick up voltage (Max) at 25°C	Drop out voltage (Min) at 25°C	Power consumption at rated load
6	187.5	32	133%	60%	10%	
12	97.5	123	of rated	of rated	of rated	Approx. 1.2W
24	49.6	483	voltage	voltage	voltage	

## Outline dimensions mm



# Wiring diagram: bottom view



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