

■ Parts Number · Feature

● TRV-100S

Coil Voltage : 1=24V , 2=12V , 3=6V

- This relay is intrinsically safe explosion-proof product that can be used in areas with explosive gases.

■ Performance

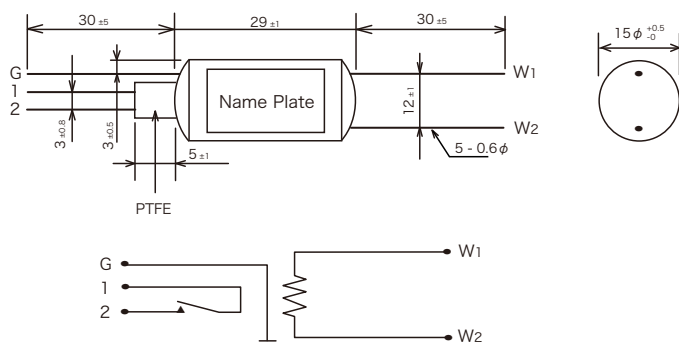
Specifications	Item	Standard
Contact Specifications	Contact Form	1 Form A
	Contact Rating	10W
	Max Switching Voltage	DC.100V
	Max Switching Current	0.5A
	Max Carry Current	1.0A
	Contact Resistance	150mΩ MAX.(Initial)
Electrical Specifications	Breakdown Voltage	Between Contacts DC.200V (1min)
		Contact to Coil AC.2,500V (1min)
		Contact to Shield AC.2,500V (1min)
		Coil to Shield AC.2,500V (1min)
	Insulation Resistance	$1 \times 10^9 \Omega$ MIN.(DC.100V)
	Capacitance	Across Open Contacts 1.0pF MAX. (Connect G terminal to earth)
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	Thermal Electromotive Force	30μV TYP.
Mechanical Specifications	Operate Time	(Include bounce) 1.5mS MAX.(at Nominal Voltage)
	Release Time	1.0mS MAX.(at Nominal Voltage)
	Vibration	20G(10~2kHz,1.5mm)
	Shock	30G(11mS,1/2 sine wave)
Environment	Operating Temperature	-10°C~+60°C
Life Expectancy	Mechanical	1×10^8 Operations MIN.
	Electrical	DC.10mV-10μA(Resistance Load) 1×10^8 Operations MIN.

■ Coil Specifications

Parts Number	Nominal Voltage DC±10%[V]	Coil Resistance ±10%[Ω]at20°C	Nominal Current [mA]	Must Operate Voltage MAX.[V]at20°C
TRV-101S	24	3,200	7.5	16.8
TRV-102S	12	800	15.0	8.4
TRV-103S	6	160	37.5	4.2

TRV-100S series

■ Dimensions · Terminal Identification (Unit : mm)



Weight approximately 12.2gr.