

TH Series

TH Hi-Voltage Wet Reed Relays

Features

- Ultra High Insulation Resistance Relay.
- High Reliability, hermetically sealed contacts for long life.
- External magnetic and electrostatic shield.

Preliminary

Order Code

TH-10XXS-8K
a

a: Nominal Coil Voltage: 0 4=5VDC, 12=12VDC, 24=24VDC

Coil Data-Standard Type1 Form A(at 20°C)

Part Number	Nominal Voltage DC $\pm 10\%$ [V]	Coil Resistance $\pm 10\%$ [ohm]	Nominal Current [mA]	Must Release Voltage MIN. [V] at 20°C	Must Operate Voltage MAX. [V] at 20°C
TH-1004S-8K	5	50	100.0	0.8	4.0
TH-1012S-8K	12	200	60.0	1.2	9.0
TH-1024S-8K	24	800	30.0	2.4	18.0

Contact Rating

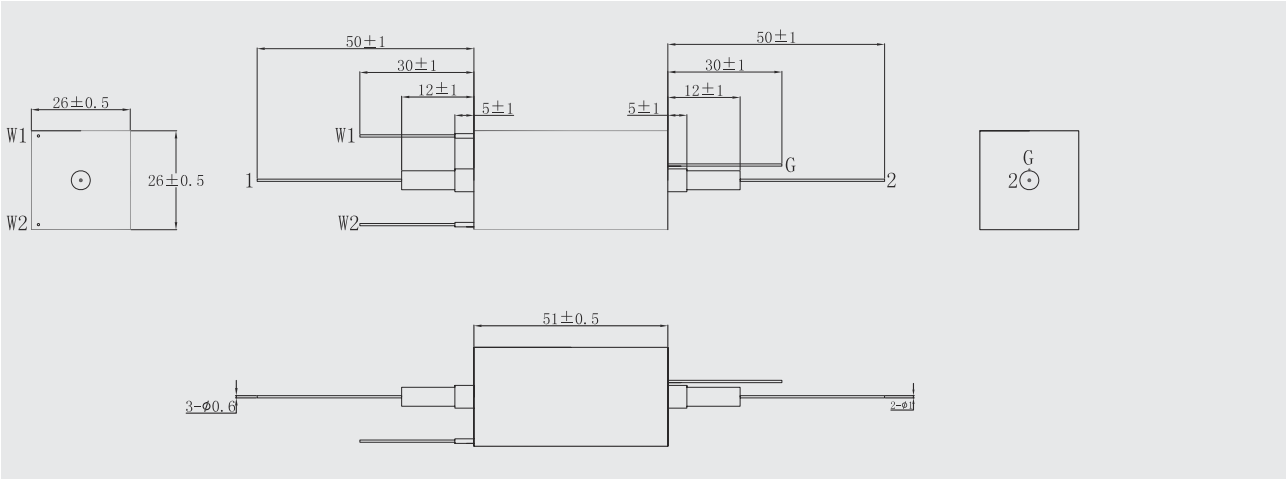
Part Number	TH-10XXS-8K
Contact Form	1FormA
Max. Switching Power	100W
Max. Switching Voltage	5000VDC
Max. Switching Current	5.0A
Max. Carry Current	10.0A

Note: When Maximum Switching Voltage is DC.5000V, Maximum Switching Current is 5mA.

Specifications

Contact Resistance	100mΩ
Operate Time	7.0 ms
Release Time	5.0 ms
Insulation Resistance(100VDC)	1x10 ¹⁰
Between Contacts	8000VDC
Dielectric Strength Contacts to Coil	8000VDC
Contacts to Shield	8000VDC
Capacitance(Between Contacts)	1.0pF
Vibration(5-55Hz.1.5mm)	20G
Shock(11msec.1/2sin wave)	30G
Operating Temperature	-10℃~+60℃
Storage Temperature	-30℃~+80℃
Life Expectancy Mechanical	1x10 ¹⁰
Thermal Electromotive Force	60.0 μ V

Dimensions(Unit:mm)



Wiring Diagrams (Top View)

