TML Series

TML Hi-Voltage Wet Reed Relays

Features

- High Breakdown Voltage of DC.4KV.
- Since it is printed circuit board type, it decreases time and effort of mounting sharply.
- The axial-lead(tubular type) is prepared separately. the magnetic shield is provided.

Order Code

TML-10XPC-X X
a b c

a: Nominal Coil Voltage: 1=24VDC, 2=12VDC, 4=5VDC

b: Breakdown Voltage: 1=3000VDC,2=3500VDC,3=3800VDC, 4=4000VDC,5=4500VDC

c:Insulation Resistance:1=10^8,2=10^9

Coil Date-Standard Type1 Form A(at 20℃)

Part Number	Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% [ohm]	Nominal Current [mA]	Must Release Voltage MIN. [V] at 20℃	Must Operate Voltage MAX. [V] at 20℃
TML-101PC-XX	24	1200	20.0	2. 0	16.8
TML-102PC-XX	12	400	30.0	1.2	8.4
TML-104PC-XX	5	100	50.0	0. 8	3.5

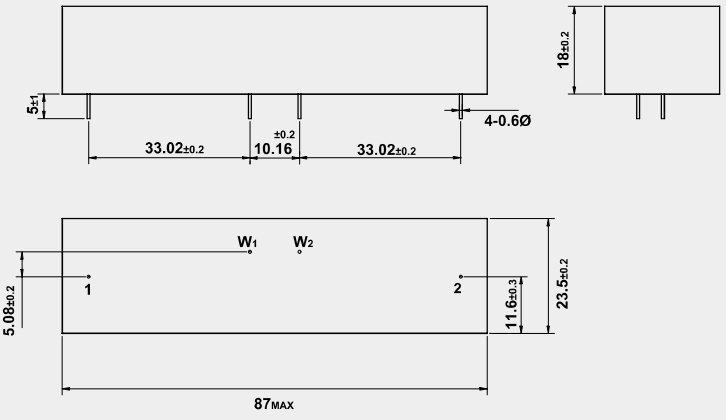
Contact Rating(at 20℃)

Part Number	TML-10XPC-XX
Contact Form	1FormA
Max. Switching Power	100W
Max. Switching Voltage	1000VDC When Switching DC.1000V, Current is 30mA max.
Max. Switching Current	2.0A
Max. Carry Current	10A

Specifications (at 20℃)

Contact Resistance		100mΩ
Operate Time		3.0 ms
Release Time		3.0 ms
Insulation Resistance Between all isolated pins(DC.100V)		10^8 Ω / 10^9 Ω
Breakdown Voltage	Between Contacts	3000/3500/3800/4000/4500VDC
	Contacts to Coil	4000VDC
Capacitance		Across Open contacts 3pF Typ. contact to coil12pF Typ.
Vibration(0-55Hz.1.5mm)		20G
Shock(11msec.1/2sin wave)		30G
Operating Temperature		-10℃~+60℃
Storage Temperature		-30℃~+80℃
Life Expectancy	Mechanical	$1x10^{10}$ MIN Operations
	Electrical	DC.1000V.30mA $1x10^8$ MIN Operations(R.L.) DC.50V.2mA $1x10^8$ MIN Operations(R.L.)
Thermal Electromotive Force		80μV TYP

Dimensions(Unit:mm)



Wiring Diagrams (Top View)