CSM_TZ_DS_E_2_2

Stable Operation at an Ambient Temperature of 400°C

- Incorporates a ceramic insulator, cobalt-alloy spring, and specialalloy contact, thus ensuring high contact reliability at high ambient temperature.
- Smoothly operates at an ambient temperature of 400°C.



Be sure to read Safety Precautions on page 3 and Safety Precautions for All Basic Switches.

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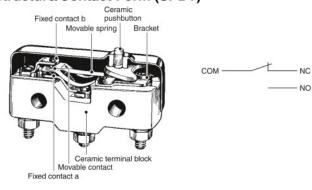
Ordering Information

Actuator		Model	
Pin plunger		TZ-1G	
Hinge lever	M	TZ-1GV	
Short hinge roller lever	2	TZ-1GV22	
Hinge roller lever	- Q	TZ-1GV2	

Note: The levers and rollers are made of stainless steel.

Structure

Structure/Contact Form (SPDT)



Specifications

Ratings

	Nor	n-induc	tive load	I (A)	1	nductiv	e load (A	١)
Rated voltage (V)		stive ad	Lamp	load		ctive ad	Moto	r load
(v)	NC	NO	NC	NO	NC	NO	NC	NO
125 VAC 250 VAC	1		0.9 0.45	0.45 0.3	1		1.5 0.45	0.75 0.3
8 VDC 14 VDC 30 VDC 125 VDC	1 1 1	.4	0.9 0.9 0.9 0.05	0.45 0.45 0.45 0.05	1 1 1	.4	1.5 1.5 1.5 0.05	1.5 1.5 1.5 0.05

Note: 1. The above current ratings are the values of the steady-state current.

- Inductive load has a power factor of 0.4 min. (AC) and a time constant of 7 ms max. (DC).
- 3. Lamp load has an inrush current of 10 times the steady-state current.
- 4. Motor load has an inrush current of 6 times the steady-state current.5. The above ratings are tested under the following conditions.
- The above ratings are tested under the following cond Ambient temperature: 20±2°C Ambient humidity: 65±5%RH Switching frequency: 20 times/min

Characteristics

Operating s	peed	0.05 mm to 1 m/s *1
Operating	Mechanical	60 operations/min
frequency	Electrical	20 operations/min
Insulation re	esistance	100 MΩ min. (at 500 VDC)
Contact res	istance	100 mΩ max. (initial value)
Dielectric st	rength	1,000 VAC, 50/60 Hz for 1 min between terminals of same polarity 1,500 VAC, 50/60 Hz for 1 min between current-carrying metal parts and ground and between each terminal and non-current-carrying metal parts
Vibration resistance	Malfunction	10 to 55 Hz, 1.5-mm double amplitude *2
Shock	Destruction	500 m/s ² max.
resistance	Malfunction	300 m/s² max. *1 *2
D. wahilit.	Mechanical	100,000 operations min.
Durability	Electrical	50,000 operations min.
Degree of p	rotection	IP00
Electric sho	ck protection	Class I
Ambient oper	rating temperature	-65°C to 400°C (with no icing)
Ambient ope	erating humidity	35% to 85%RH
Weight		Approx. 45 to 54 g

- *1. This operating speed applies to switches with pin-type pushbuttons.
- *2. This refers to a malfunction period of 1 ms max.

Contact Specifications

Contact	Specification	Rivet
	Material	Platinum alloy
	Gap (standard value)	0.5 mm
Inrush cur- rent	NC	9 A max.
	NO	4.5 A max.

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