

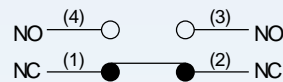


TZ-8 Limit Switch

Features

- Double circuit type of limit switch
- Highly rigid construction, consists of intensive plastic and aluminum cast (Head and cover snugly fit in box)
- Small volume, water-proof and oil-proof construction
- Built-in basic switch with double spring mechanism, longer mechanical life
- Smooth operation with greater OT
- Easy-to-wire circuit opening design
- Wide variety of actuators, easily use

Contact Form



Ratings

Rated voltage	Noninductive Load (A)				Inductive Load (A)			
	Resistance Load		Lamp Load		Inductive Load		Motor Load	
	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	5	5	1.5	0.7	3	3	2	1
250VAC	5	5	1	0.5	3	3	1.5	0.8
500VAC								
8VDC	5	5	3	3	5	4	3	3
14VDC	5	5	3	3	4	4	3	3
30VDC	5	5	3	3	4	4	3	3
125VDC	0.4	0.4						
250VDC	0.2	0.2						
Inrush Current	N.C: below 24A, N.O: below 12A							

NOTES:

1. Inductive load has a power factor of 0.4 min.(AC) and a time constant of 7 msec.max.(DC).
2. Lamp load has an inrush current of 10 times the steady-state current, while motor load has an inrush current of 6 times the steady-state current.

Operating characteristics

Models	TZ-8104	TZ-8108	TZ-8107	TZ-8111	TZ-8112/8122	TZ-8166/8167/8168/8169
OF Max.	750g	750g	750g	900g	900g	150g
RF Min.	100g	100g	100g	150g	150g	-
PT Max.	20°	20°	20°	1.5mm	1.5mm	30mm
OT Min.	50°	50°	50°	4mm	4mm	-
MD Max.	12°	12°	12°	1mm	1mm	-
OP	-	-	-	26 ± 0.8mm	37 ± 0.8mm	-

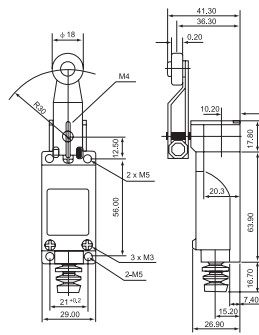
Characteristics

Operation speed	0.5mm-50cm/sec
Operating frequency	Mechanical: 120 operations/minute Electrical: 30 operations/minute
Contact resistance	25m Ω max. (initial value)
Insulation resistance	100m Ω min. (at 500VDC)
Dielectric strength	1000VAC, 50/60 HZ for 1 minute between terminals of the same polarity
	1500VAC, 50/60 HZ for 1 minute between current-carrying and non-current-carrying metal parts
	1500VAC, 50/60 HZ for 1 minute between each terminal and ground
Vibration	10-55HZ, 1.5mm double amplitude
Shock	Mechanical durable: 1, 000m/Sec ² (about 100G'S)
	Malfunaction: 300m/Sec ² (about 30G'S)
Ambient temperature	-5°C to +65°C
Humidity	<95% RH
Life	Mechanical: 10,000,000 operations above
	Electrical: 500,000 operations above
Weight	About 130 to 190g
Degree of protection	IP65

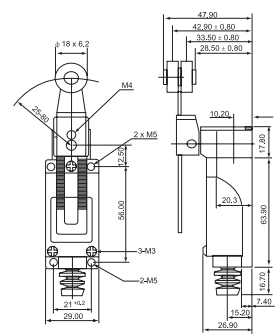
TZ-8 Limit Switch

Appearance and dimension

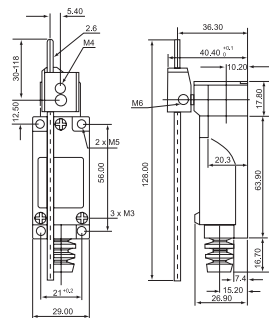
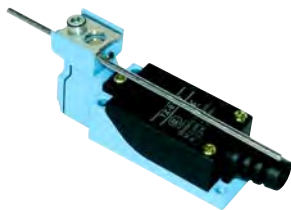
TZ-8104



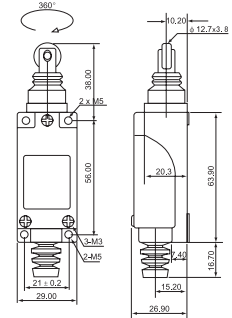
TZ-8108



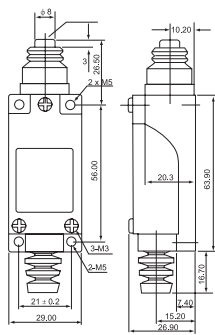
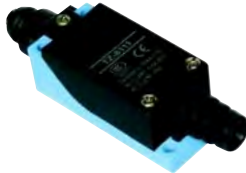
TZ-8107



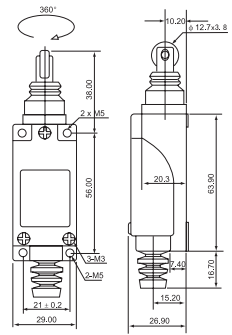
TZ-8112



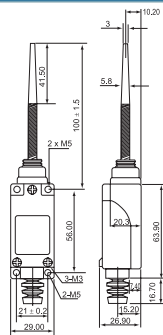
TZ-8111



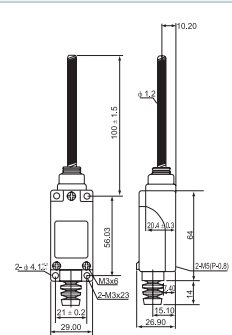
TZ-8122



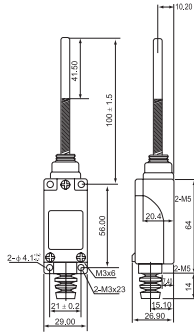
TZ-8166



TZ-8167



TZ-8168



TZ-8169

