

SPECIFICATIONS

- Built-in basic switch with double spring mechanism
- Long life (10,000,000 mechanical operations)
- Material: glass reinforced plastic.
- Dust proof and drip-proof construction
- Smooth operation with greater OT
- Easy-to-wire conduit opening design

SPECIFICATIONS

RATINGS

Rated Voltage (V)	Non-inductive load(A)				Inductive load(A)			
	Resistive 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
8 VDC	5	5	3	3	5	4	3	3
14 VDC	5	5	3	3	4	4	3	3
30 VDC	5	5	3	3	4	4	3	3
125 VDC	0.4	0.4						
250 VDC	0.2	0.2						
Inrush current	N.C:24A max.N.O:12Amax							

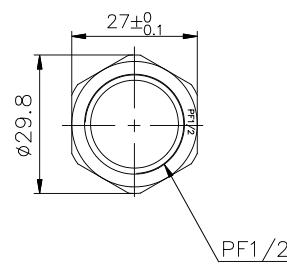
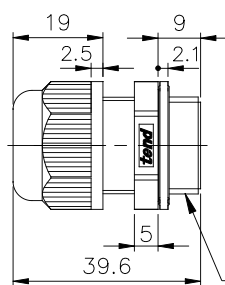
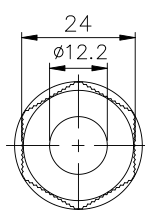
NOTES:1.inductive load has a power factor of 0.4 min.(AC) and a time constant of 7 msec. Max.(DC)

2.lamp load has an inrush current of 10 times the steady-state current, while motor load an inrush current of 6 times the steady-state current.

OPERATION CHARACTERISTICS

Type	TZ-9104	TZ-9108	TZ-9107	TZ-9111	TZ-9112 TZ-9122	TZ-9124	TZ-9166 TZ-9167 TZ-9169
	TZ-9204	TZ-9208	TZ-9207	TZ-9211	TZ-9212 TZ-9222	TZ-9224	TZ-9266 TZ-9267 TZ-9269
OF max.	500g	450g	450g	700g	700g	450g	150g
RF min.	50g	40g	40g	150g	150g	80g	—
PT max.	18°~28°	18°~28°	18°~28°	2mm	2mm	4mm	30mm
OT min.	30°	30°	30°	4mm	4mm	5mm	—
MD max.	14°	14°	14°	0.8mm	0.8mm	1.6mm	—
OP	—	—	—	18±0.5mm	28.2±0.8mm	37±0.8mm	—

TZ-92 SERIES CABLE GLAND Diameter of cables:Ø6~12mm
HPF12



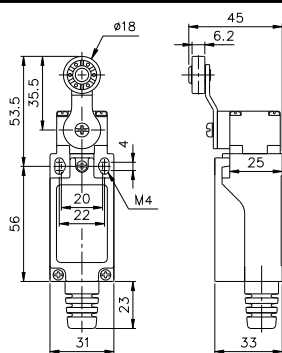
CONTACT CONFIGURATION



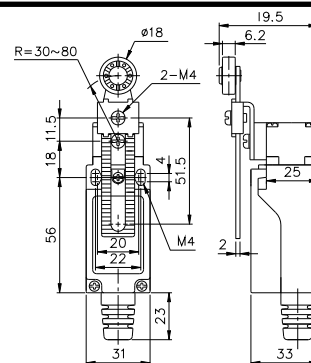
CHARACTERISTICS

Operating speed	0.5mm to 50cm/s
Operating frequency	Mechanically : 120 operations/min. electrically : 30 operations/min.
Contact resistance	25mΩ max. (initial)
Insulation resistance	100MΩ max. (at 500 VDC)
Dielectric strength	1,000VAC,50/60Hz, fo 1minute between non-continuous terminals 1,500VAC,50/60Hz, for 1 minute between current-carrying and non- current-carrying pasts and between each terminal and ground
Vibration	Mechanical durability: 10 to 55HZ, 1.5mm double amplitude
Shock	Mechanical durability: 1,000m/S²(approx.100G's) malfunction: 300m/S²(approx.30G's)
Ambient temperature	Operating:-5 to +65°C
Humidity	95%RH max.
Service life	Mechanically: 10,000,000 operations min. (At rated to value) Electrically: 500,000 operations min
weight	Approx.70g to 110g
Degree of protection	IEC : IP65

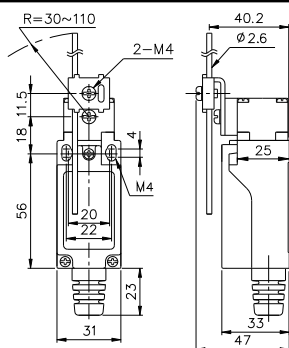
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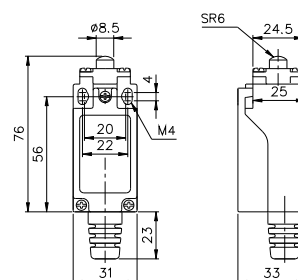
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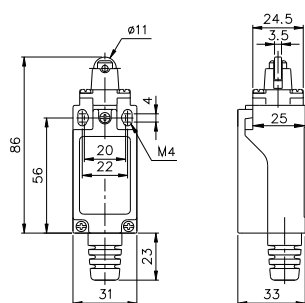
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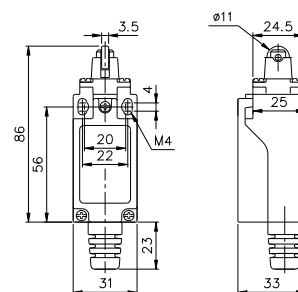
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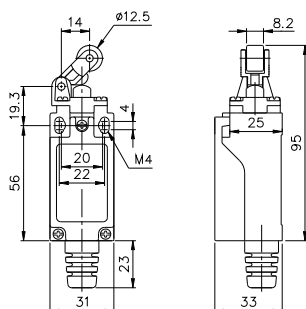
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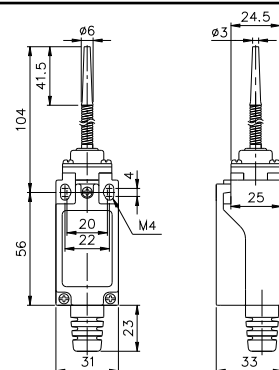
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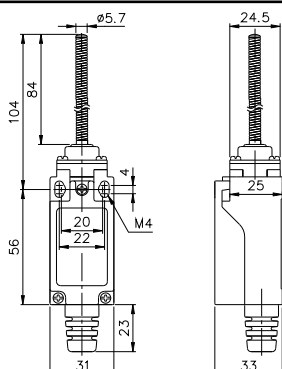
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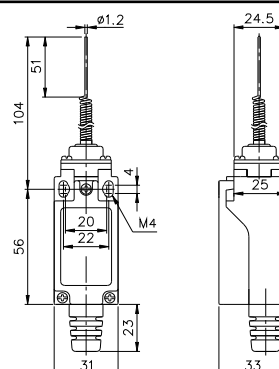
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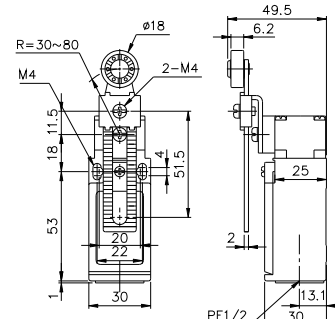
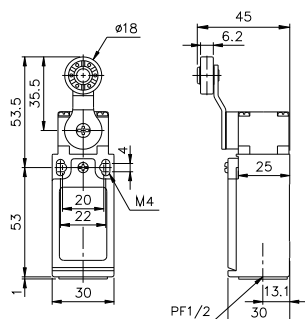
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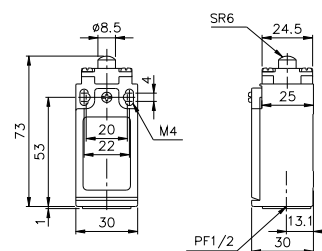
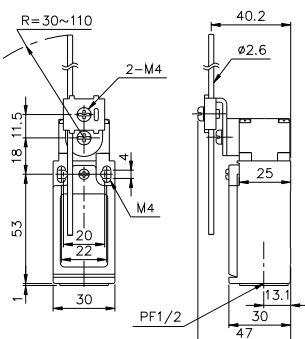
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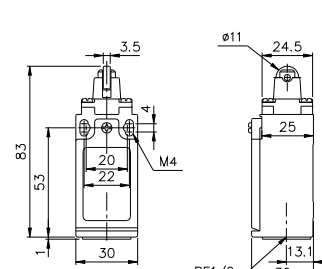
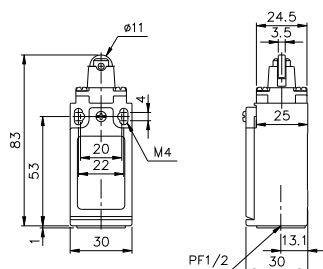
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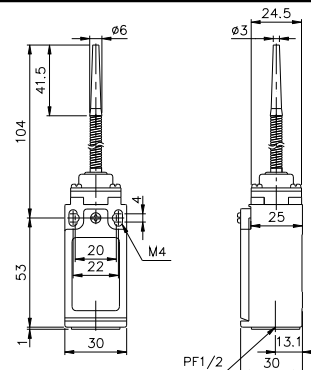
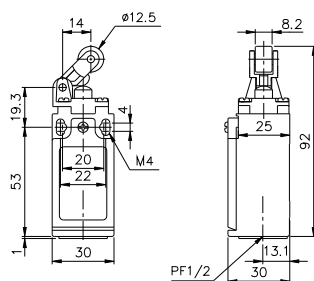
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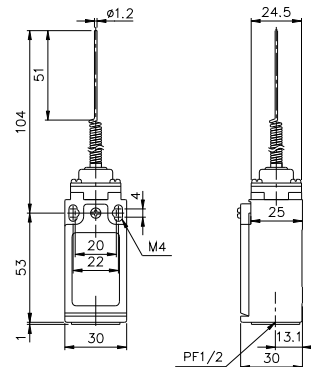
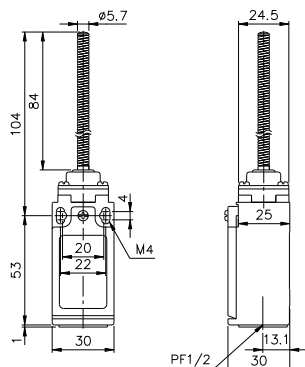
TZ-9222



TZ-9266

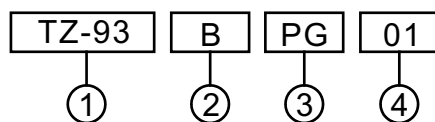


TZ-9269





MODEL DESIGNATION



Designation	Signal	Description
1. Type	TZ-93	Safety switch
2. Type of Contact Block Fitted	B C	2b 1a1b
3. Conduit Entries	PG PT	PG13.5xP1.5 PT1/2x14UNC
4. Actuating keys	None 01 02 03	None Horizontal Vertical Adjustable

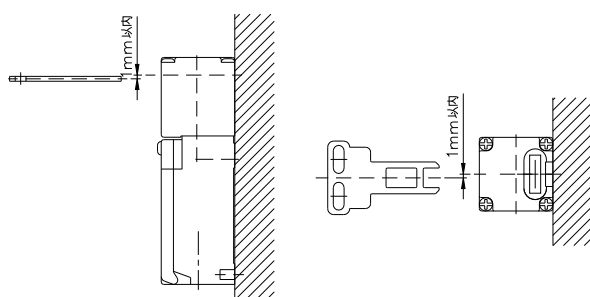
SPECIFICATIONS

RATINGS

Rated Voltage (V)	Non-inductive load(A)				Inductive load(A)			
	Resistive load		Lamp load		Inductive load		Motor load	
	NC	NO	NC	NC	NC	NO	NC	NO
125VAC	10	3	1.5	10	5	2.5	10	5
250VAC	10	2	1	10	3	1.5	10	3
400VAC	10	1.5	0.8	3	1.5	0.8	10	1.5
8VDC	10	6	3	10	6	3	10	6
14VDC	10	6	3	10	6	3	10	6
30VDC	6	4	3	6	4	3	6	4
125VDC	0.8	0.2	0.2	0.8	0.2	0.2	0.8	0.2
250VDC	0.4	0.1	0.1	0.4	0.1	0.1	0.4	0.1

USE ATTENTION AFFAIR

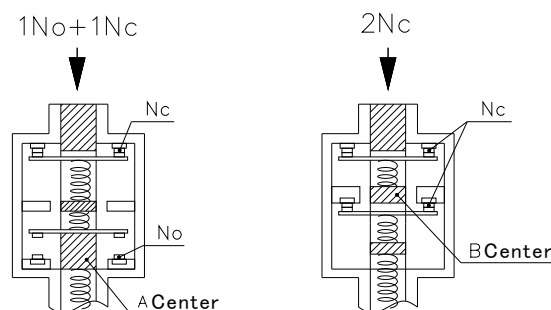
- To prevent the wear and the space should be within 1 mm between the key and middle of the insert hole.



CHARACTERISTICS

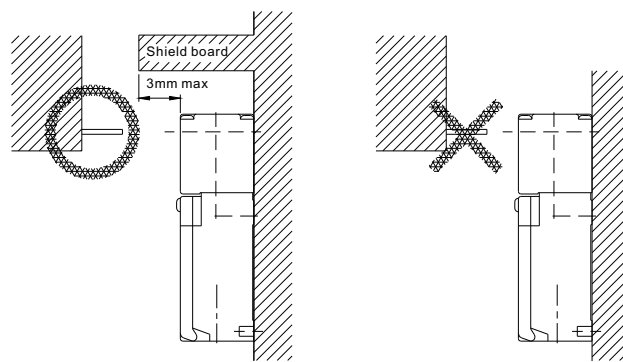
Rating	3A 240VAC, (A300)
Operating speed	0.1m~0.5m/s
Operating frequency	30 times/minute
Contact resistance	25mΩ max.(initial)
Insulation resistance	100MΩ min. (At 500VDC)
Rated insulation vantage(Ui)	400V
Dielectric strength	AC2500V/Ump 4KV
Vibration	10~50Hz, 0.65mm double amplitude
Shock	Mechanically: Approx.1,000m/s²(Aprox. 100G`s) Electrically: Approx 300m/s²(Aprox. 100G`s)
Ambient temperature	-30°C~+70°C
Ambient humidity	Below 95%RH
Service life	Mechanically: 10,000,000 operations/min Electrcally: 150,000 operations/min.
Degree of protection	IP65(EN60947-5-1)
Shor-circuit protective device	10A fuse
weight	Approx. 76g

REQUIRED TO HAVE POSITIVE MACHINE



When the contact block get fire, press on the middle of the key structure, the Nc strict leaving structure can push the contact block a way cut off the movement. ⊖

- When in use, there should put a plate on the top to prevent the key overinsert. To prevent nonmovement, the space between the plate and the switch should be under 3 mm.

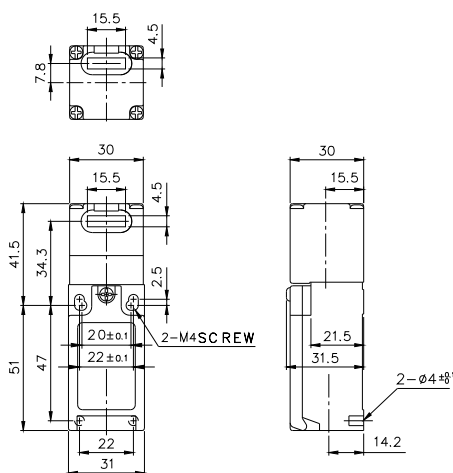


Normal used state

Unsuitable used state

DIMENSIONS

TZ-93BPG
TZ-93BPT
TZ-93CPG
TZ-93CPT

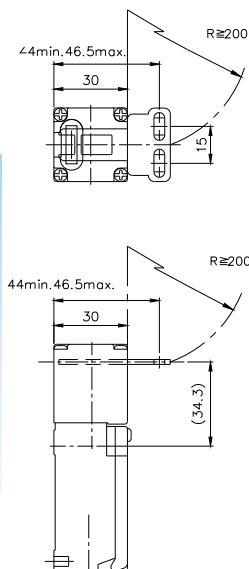


OPERATING CHARACTERISTICS

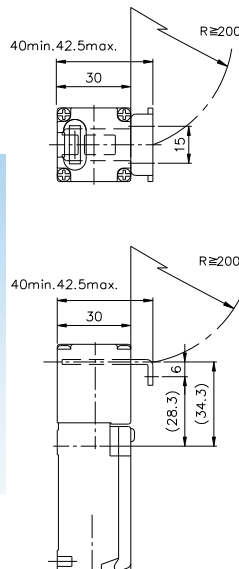
Key plug in force	max.	14.71N(1,500gf)
Key pull out force	max.	29.42N(3,000gf)
Pre travel		6±3mm
Total travel		(28mm)
Force required to have positive	min.	58.84N(6,000gf)
Positive opening travel	min.	10mm

DIMENSIONS OF OPERATING

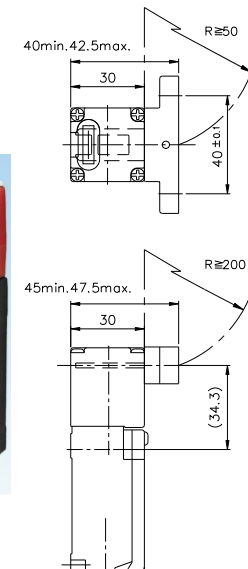
TZ-93BPG01
TZ-93BPT01
TZ-93CPG01
TZ-93CPT01



TZ-93BPG02
TZ-93BPT02
TZ-93CPG02
TZ-93CPT02

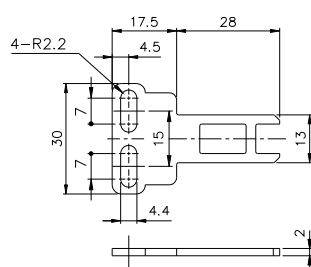


TZ-93BPG03
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TZ-93CPG03
TZ-93CPT03

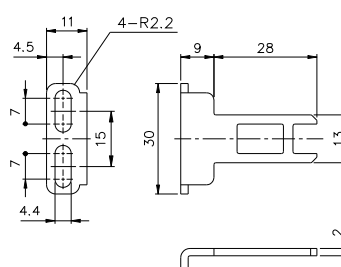


TYPE OF KEYS AND DIMENSIONS

TZ93-K1



TZ93-K2



TZ93-K3

