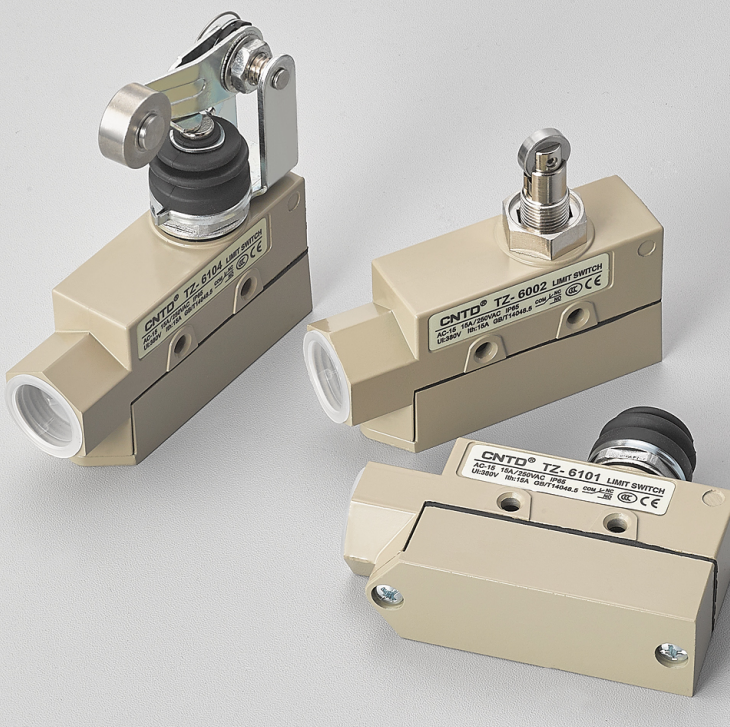


TZ-6 Horizontal Limit Switch



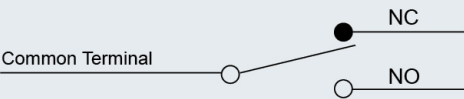
TZ-6 Horizontal Limit Switch



Features

- Built-in CM horizontal limit switch
- High mechanical strength, mainly consists of aluminum cast
- Water-proof and oil-proof construction
- Same rated value and characteristic with CM horizontal limit switch
- Various actuators for different applications

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
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.
3.Product with spring, its usable range of operating part is within one third of the whole spring length from the front end of spring.

Specifications

Operation speed	5mm-0.5m/s
Operating frequency	Electical: 20 operations/min
Contact resistance	25mΩ max. (initial value)
Insulation resistance	100mΩ min. (below 500VDC)
Dielectric strength	1500VAC, 50/60 Hz for 1 minute between current-carrying and non-current-carrying metal parts
	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) Malfunction: 300m/Sec ² (about 30G'S)
Ambient temperature	Using: -20~+80℃ (With no icing)
Humidity	<95% RH
Electrical life	500,000 operations above
Protection level	IP66

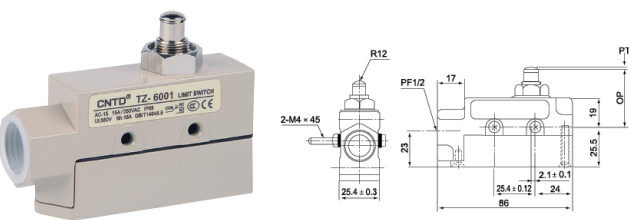
NOTES: The default size of conduit connector is M20x1.5, outfitting cable connector. Conduit connector size is PG13.5, with product model number plus (-P), example:TZ-6104-P.

Operating Characteristics

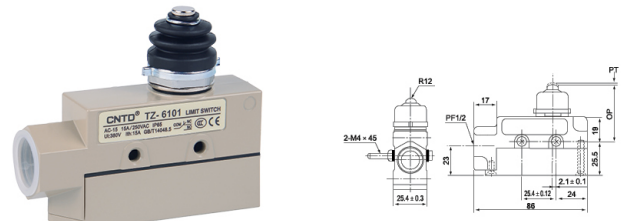
Model	TZ-6	TZ-6001	TZ-6002	TZ-6003	TZ-6004	TZ-6043	TZ-6101	TZ-6102	TZ-6103	TZ-6104	TZ-6143
Operating force	OF(Max.)	250~350g	250~350g		570g	570g	800g	500g		640g	640g
Release force	RF(Min.)	114g	114g		170g	170g	240g	100g		230g	230g
Pre-travel	PT(Max.)	0.4mm	0.5mm		4mm	4mm	2mm	1mm		5mm	5mm
Movement differential	MD(Max.)	0.05mm	0.05mm		0.4mm	0.4mm	0.1mm	0.12mm		0.4mm	0.4mm
Over travel	OT(Min.)	5.5mm	3.6mm		6mm	6mm	5mm	3.5mm		6mm	6mm
Operating Position	OP(mm.)	38.2 ± 0.8mm	49.7 ± 1mm				45.8 ± 0.8mm	49.7 ± 0.8mm			

Appearance and Dimension

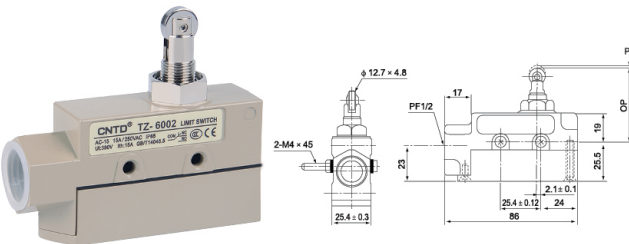
TZ-6001



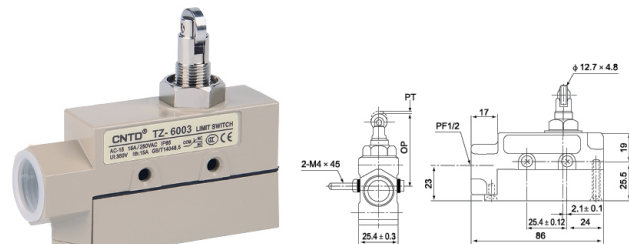
TZ-6101



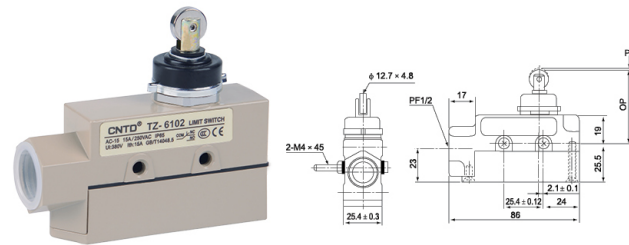
TZ-6002



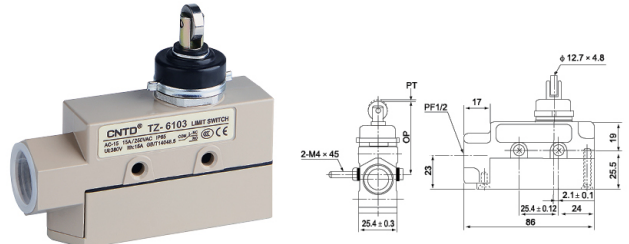
TZ-6003



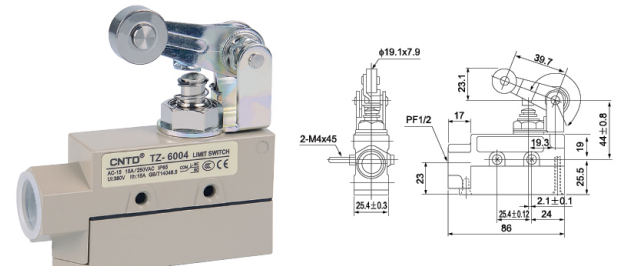
TZ-6102



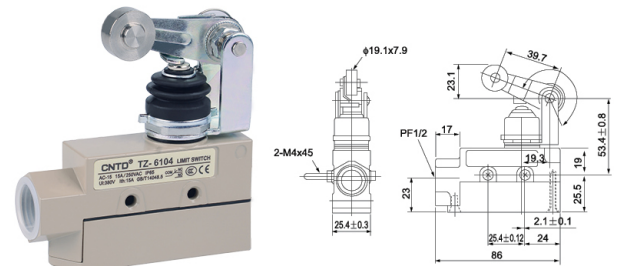
TZ-6103



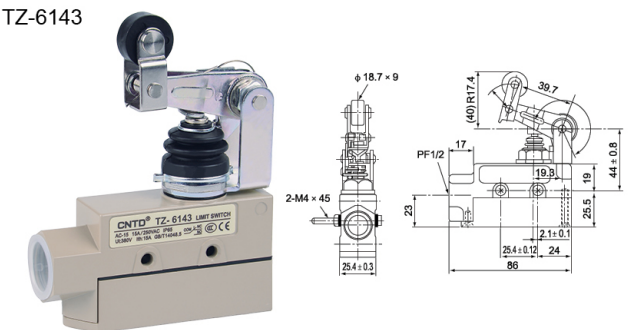
TZ-6004



TZ-6104



TZ-6143



TZ-6106

