

CZ-93 Vertical Interlock Safety Limit Switch

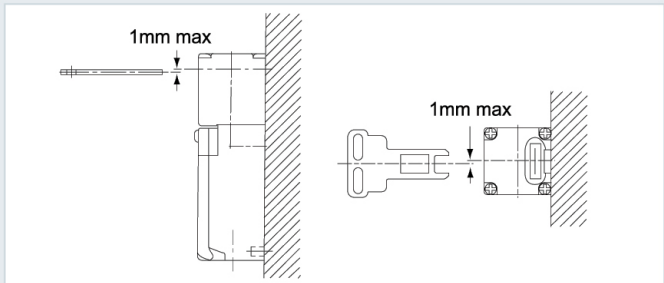


Ratings

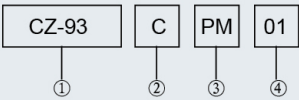
Rated Voltage	Noninductive Load (A)			Inductive Load (A)			
	Resistance Load		Lamp Load	Inductive Load		Motor Load	
	NC	NO	NC	NO	NC	NO	NC
125 VAC	10	3	1.5	10	5	2.5	
250 VAC	10	2	1	10	3	1.5	
400 VAC	10	1.5	0.8	3	1.5	0.8	
8 VDC	10	6	3	10	6	6	
14 VDC	10	6	3	10	6	6	
30 VDC	6	4	3	6	4	4	
125 VDC	0.8	0.2	0.2	0.8	0.2	0.2	
250 VDC	0.4	0.1	0.1	0.4	0.1	0.1	

Cautions

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



Model Number Structure



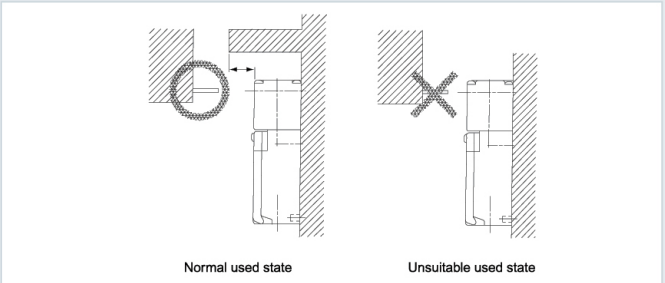
Designation	Model NO.	Description
Type	CZ-93	Safety switch
Type of contact blocks fitted	B	2B(2NC)
	C	1A1B(1NC/1NO)
Conduit/connector size	PG	PG 13.5XP1.5
	PM	M20X1.5
Actuating keys	None	None
	01	Horizontal
	02	90° Vertical
	03	Adjustable

NOTE: The default size of conduit connector is M20x1.5.

Specifications

Rating	3A 240VAC (A300)
Operating speed	0.1m~0.5m/s
Operating frequency	30 operations/min
Contact resistance	25mΩ max. (initial).
Insulation resistance	100mΩ min. (at 500VDC)
Rated insulation voltage(UI)	400V
Dielectric strength	AC2500V/Ump 4KV
Vibration	10 to 55Hz, 1.5mm double amplitude
Shock	Mechanical: Approx. 1000m/s ² (Approx. 100G'S) Electrical: Approx. 300m/s ² (Approx. 30G'S)
Ambient temperature	Using: -20~+70℃ (With no icing)
Ambient Humidity	< 95% RH
Electrical life	150,000 operations/min.
Protection level	IP65 (IEC Standard)

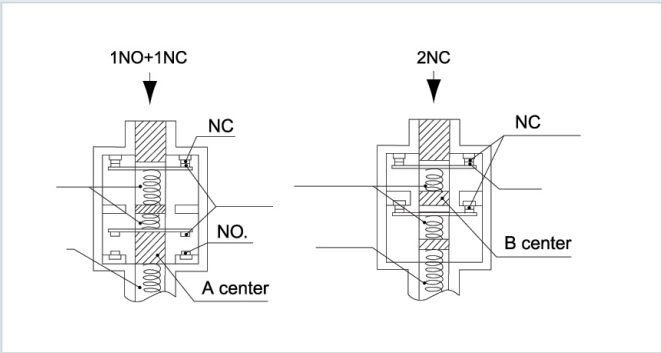
When in use, there should put a plate on the top to prevent the key overinsert. To prevent nonmovement, the space between the plate and the switch should be under 3 mm.



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Forced Disconnecting Mechanism

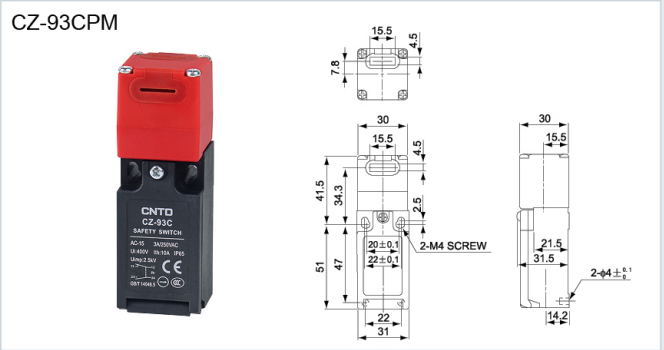


When the contact block get fire, press on the middle of the key structure, the NC strict leaving structure can push the contact block a way cut off the movement.

Operating Characteristics

Key plug in force	14.7N(1,500gf)
key pull out force	29.42N(3,000gf)
Pretravel	6 ± 3mm
Total travel	(28mm)
Force required to have positive	58.84N(6,000gf)
Positive opening travel	10mm

Appearance and Dimension



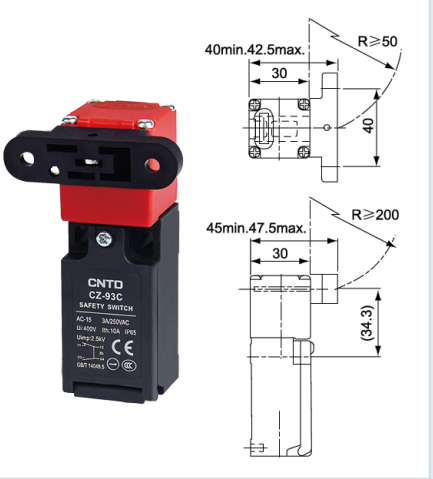
CZ-93CPM01



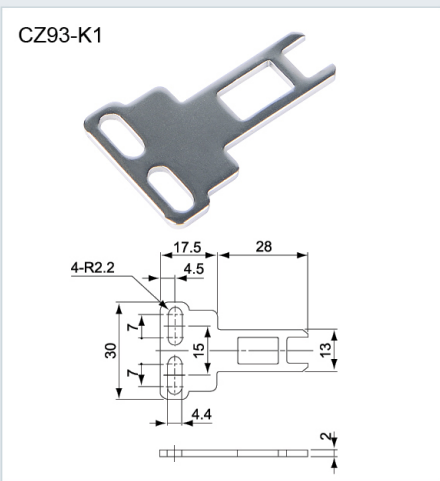
CZ-93BPM02



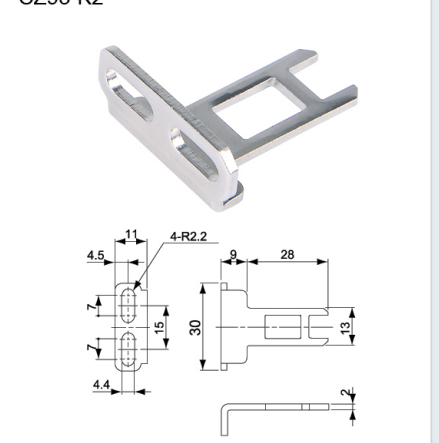
CZ-93CPM03



Key Dimension



CZ93-K2



CZ93-K3

