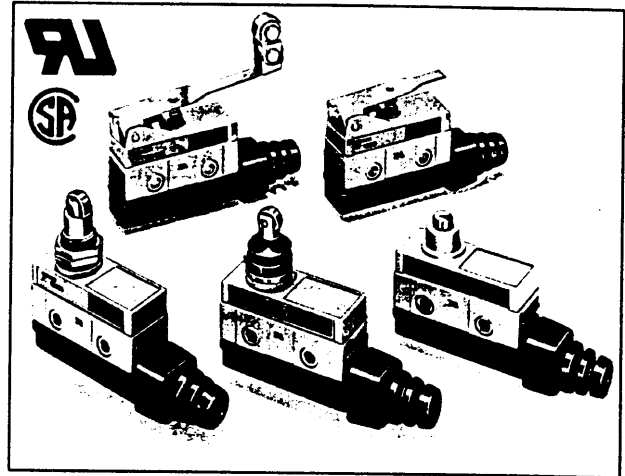


Enclosed Basic Switch

ZC

Plunger Style Basic Switch

Offers same mounting and operating dimensions as Z15 plunger style, but with sealed (IP67) construction. High life expectancy (10 million operations minimum). Die-cast alloy housing with clip-on terminal cover which incorporates cable entry shroud. Multiple switches can be ganged together for specific applications.



Ordering Information

Actuator type	Model
Panel mount plunger	ZC-Q55
Panel mount roller plunger	ZC-Q2255
Panel mount cross roller plunger	ZC-Q2155

Specifications

■ Characteristics

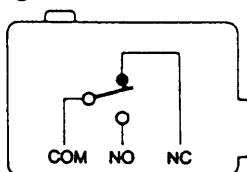
Operating speed		0.05 mm to 0.5 m/s (at pin plunger)
Operating frequency		Mechanical: 120 operations/max. Electrical: 20 operations/ max.
Contact resistance		15 mΩ max. (initial)
Insulation resistance		100 mΩ min. (at 100 VDC)
Dielectric strength		1,000 VAC, 50/60 Hz for 1 minute between non-continuous terminals 2,000 VAC, 50/60 Hz for 1 minute between current-carrying part and ground and between each terminal and non-current-carrying parts
Vibration		Malfunction durability: 10 to 55 Hz, 1.5 mm double amplitude
Shock		Mechanical durability: 1,000 m/s ² min. (approx. 100 G) Malfunction durability: 300 m/s ² min. (approx. 30 G)
Ambient temperature		Operating: -10° to 80°C (with no icing)
Ambient humidity		35% to 95% RH
Degree of protection	NEMA	Types 1, 2, 3, 4, 5
	IEC	IP67
	JIS	Jet-proof construction; immersion-proof type
Life expectancy		Mechanical: 10,000,000 operations min. (at rated OT value)
Weight		Approx. 110 g (at panel mount plunger)



■ Contact 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
125 VAC	10		3	1.5	10		5	2.5
250 VAC			2.5	1.25			3	1.5
8 VDC			3	.5	6		5	2.5
14 VDC				1.5				
30 VDC	6				5			
125 VDC	0.5		0.4		0.05		0.05	
250 VDC	0.25		0.2		0.3		0.03	
Inrush current	NC: 30 A max. NO: 15 A max.							

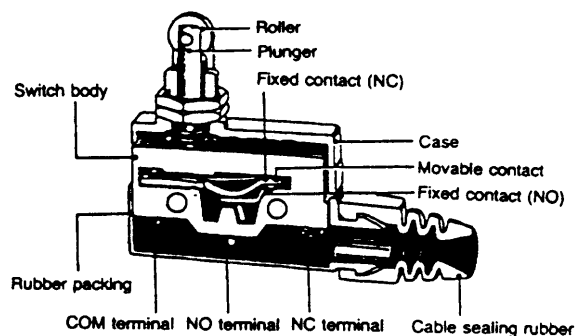
Contact configuration



■ Operating Characteristics

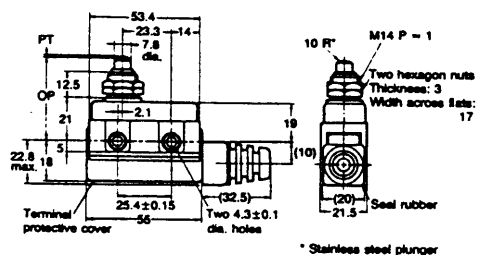
Item	Model		
	ZC-Q55	ZC-Q2255	ZC-Q2155
Operating force (max.)	1200 g		
Releasing force (min.)	500 g		
Pretravel (max.)	1.5 mm		
Overtravel (min.)	3 mm		
Movement differential (max.)	0.2 mm		
Operating position	38.2±0.8 mm	47.4±0.8 mm	

Construction

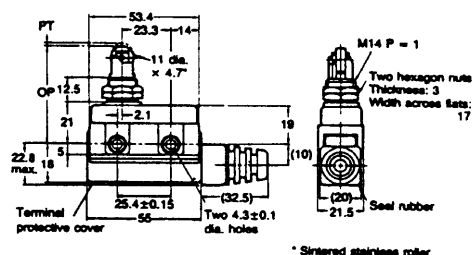


Dimensions

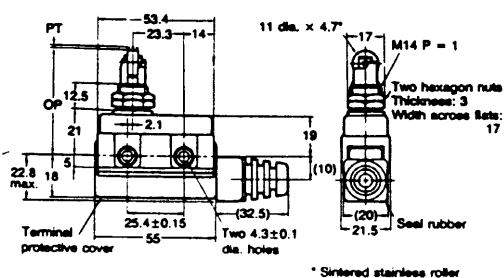
ZC-Q55



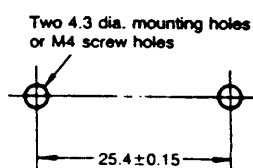
ZC-Q2255



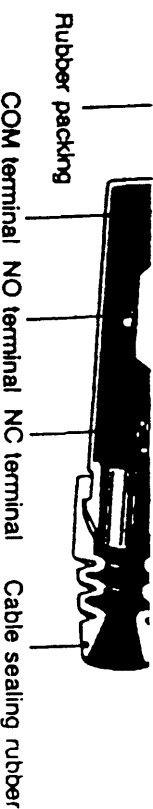
ZC-Q2155



Mounting holes

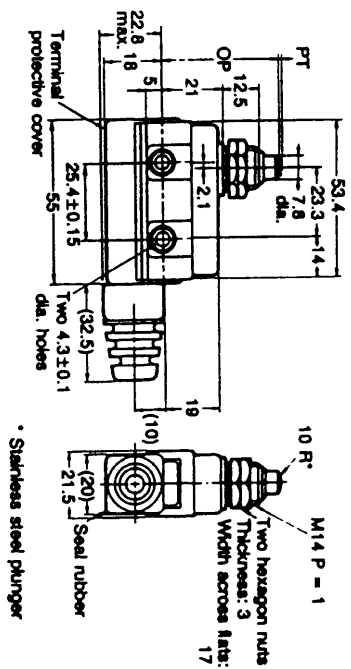


Movement differential (max.)	0.2 mm	
Operating position	38.2±0.8 mm	47.4±0.8 mm

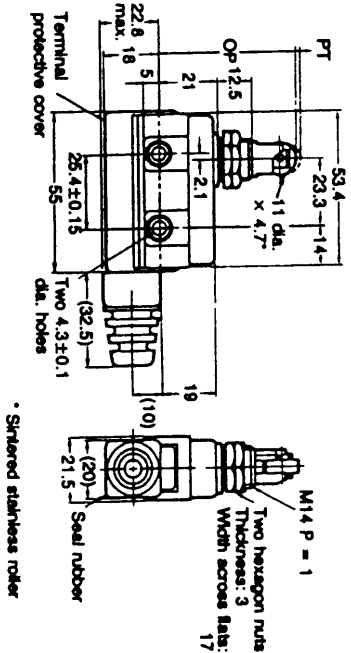


Dimensions

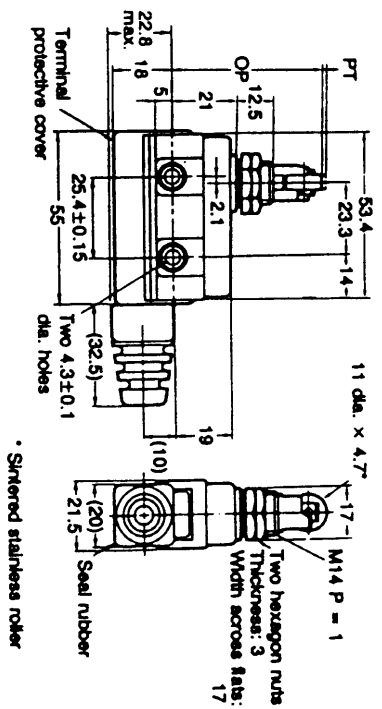
ZC-Q55



ZC-Q2255



ZC-Q2155



Mounting holes

