

3/2 Miniature Limit Switches

Direct Acting Limit Switches

1/16" I.D. Internal Orifice



PXCM111



PXCM121

Part Number	Connection	Actuator	Type of Switching*
PXCM111	5/32" Instant	Steel Plunger Operating Levers Available (See Below)	NNP
PXCM115	10-32 UNF		
PXCM121	5/32" Instant	Plastic Roller	NNP
PXCM125	10-32 UNF		

7/64" I.D. Internal Orifice



PXCM521

Part Number	Connection	Actuator	Type of Switching*
PXCM521	5/32" Instant	Plastic Roller	NNP

Actuators for Steel Plunger



PXCZ11

Use with PXCM11*

Part Number	Actuator
PXCZ11	Plastic Roller Lever
PXCZ12	Plastic Roller Lever, One Way Trip

Specifications

Air Quality –

Standard Shop Air, Lubricated or Dry, 40µm Filtration

Flow SCFM (NI/min) –

PXCM111	2.2 (60)
PXCM121	3.0 (85)
PXCM521	8.8 (250)

Materials –

Body..... Zinc Alloy
Poppets..... Polyurethane
Seals..... Nitrile (Buna N)

Maximum Operating Frequency..... 5 Hz

Nominal Bore Ø –

PXCM111, PXCM121	1/16" (1.5 mm)
PXCM521	7/64" (2.5 mm)

Number of Operations with Dry Air at 90 PSI (6 bar) and 68°F (20°C) – Frequency 1 Hz 10 Million

Operating Positions..... All Positions

Operating Pressure 40 to 115 PSIG (3 to 8 bar)

Ports –

5/32" Instant for Semi-Rigid Nylon or Polyurethane Tube

10-32 UNF Available

Temperature –

Operating 32°F to 122°F (0°C to + 50°C)

Storage -22°F to 140°F (-30°C to + 60°C)

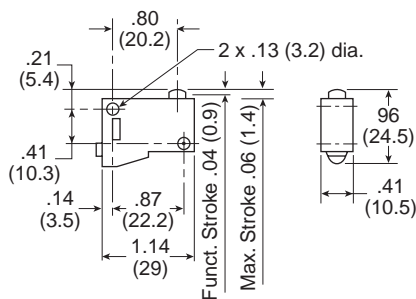
* NNP: Normally Non-Passing. 

3/2 Miniature Limit Switch Operator Specifications

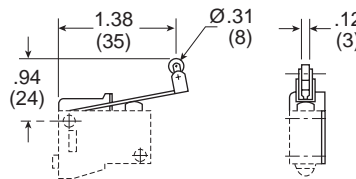
	PXCM111	PXCM121	PXCM521
Differential Travel at 90 PSI (6 bar)	.006" (0.15 mm)	.012" (0.3 mm)	.020" (0.5 mm)
Maximum Travel (B) at 90 PSIG (6 bar)	.055" (1.4 mm)	.126" (3.2 mm)	.228" (5.8 mm)
Minimum Pre-Travel (A) at 90 PSIG (6 bar)	.035" (0.9 mm)	.079" (2 mm)	.087" (2.2 mm)
Minimum Operating Force at 90 PSI (6 bar)	2.5 lb (11 N)	1.0 lb (4.5 N)	1.6 lb (7 N)
Operating Diagram			

Dimensions

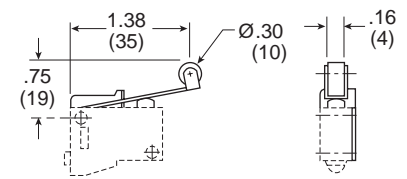
PXCM111



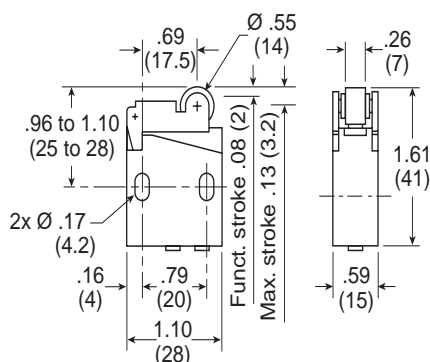
PXCZ12



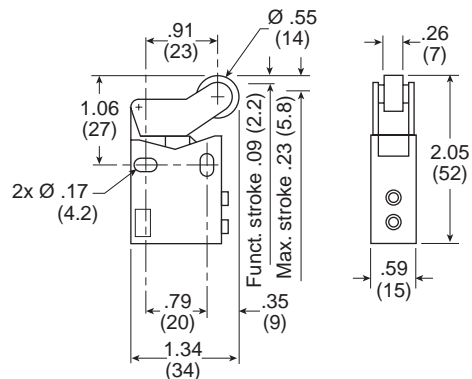
PXCZ11



PXCM121, PXCM131



PXCM521



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