

**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		

**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)

**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

\* NNP: Normally Non-Passing.



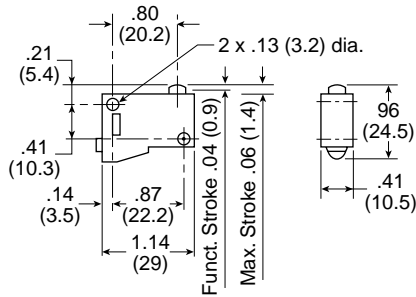
## Operator Specifications

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

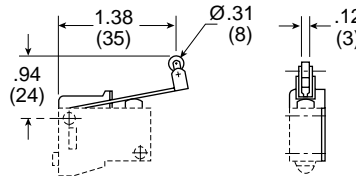
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## Dimensions

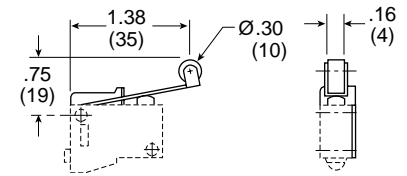
PXCM111



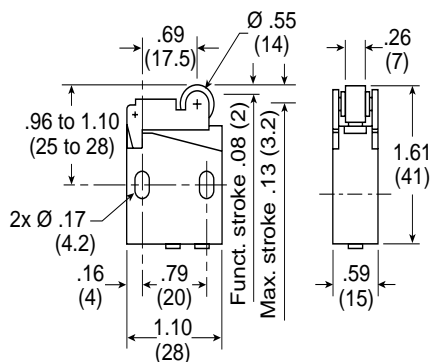
PXCM121



PXCM521



PXCM121, PXCM131



PXCM521

