

PSK 350 M

Screw-in Pneumatic Switching Probe (opener)

Grid:

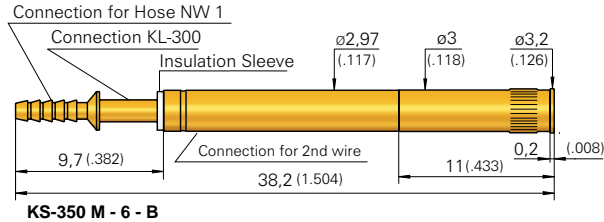
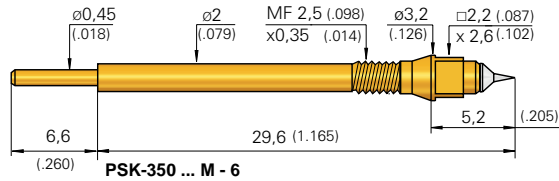
≥ 3,5 mm

≥ 140 Mil

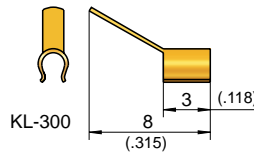
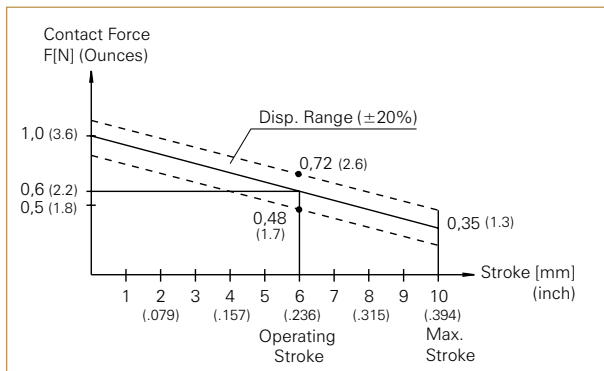
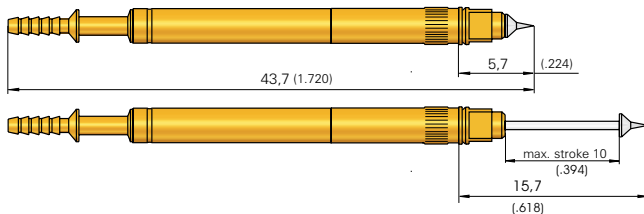
Installation Height (with KS): 5,7 mm (.224)

Switching Path: 6,0 mm (.236)

Mounting and Functional Dimensions



Assembly PSK-350 M in KS-350 M-6-B



Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2 01 ***		R	∅ 1,50 (.059)	
3 02		A	∅ 2,00 (.079)	
2 04 **		R	∅ 1,30 (.051)	
2 06 **		A	∅ 1,00 (.039)	
2 33 **		A	∅ 1,30 (.051)	
2 91 *		A	∅ 1,00 (.039)	

Collar Diameter:

* = 1,20 mm (.047)

** = 1,30 mm (.051)

*** = 1,50 mm (.059)

**** = 1,80 mm (.071)

Functionality:

The pneumatic Switching Probe PSK 350 is designed as an „opener“. In the home position there is an electric contact between the Pneumatic Probe and the Terminal of the Receptacle. After 6 mm (.236) Stroke this connection is interrupted.

Note:

Electrical and pneumatic connections are carried out only once at the time of customizing. The exchangeable unit PSK-350 M is screwed into the ready wired and pneumatically connected up Receptacle KS-350 M-6-B. The Test Probe can be changed from above. The Test Fixture must not be opened. The wiring and pneumatic connections are not affected.

Pneumatic Accessories and general Instructions see Page 94/95).

Note to PSK-350 + KS-350 M-6-B:

PSK-350 are screwed into KS-350 using special tools (see Page 170/171).

Recommended Screw-in Torque:
Min.: 10 Ncm / Max.: 20 Ncm

Mechanical Data

Switch. Path/Work. Stroke: 6,0 mm (.236)

Maximum Stroke: 10,0 mm (.394)

Cont. Force at Work.Stroke: 0,6 N (2.2oz)

Operating Medium: Compressed Air

(filtered, oil-free)

Operating Pressure: 6 bar (86 psi)

Materials

Plunger: Steel, rhodium- or gold-plated

Barrel: Brass, gold-plated

Restoring Spring: Steel, gold-plated

Receptacle: Brass, gold-plated

O-Rings: Perbunan

Insulation: Peek

Terminal: Brass, gold-plated

Electrical Data

Current Rating: 1 - 2 A

R_i typical: < 30 mΩ

Mounting Hole Size for Receptacle

in CEM 1: ∅ 3,15 - 3,17 mm (.1240-.1248)

in FR 4: ∅ 3,17 - 3,18 mm (.1248-.1252)

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type
	2 = Steel 3 = CuBe			A = Gold R = Rhodium			

Test Probe:

PSK 350 2 04 130 R 06 02 M-6

Receptacle for PSK-350 ... M-6:

KS - 350 M - 6 - B

Clip-Connection with Solder Terminal for KS-350:

KL - 300