

PKS 399

Pneumatic Test Probe

Grid:

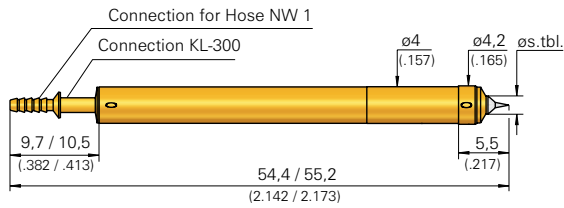
≥ 4,50 mm

≥ 177 Mil

Installation Height: 5,5 mm (.217)

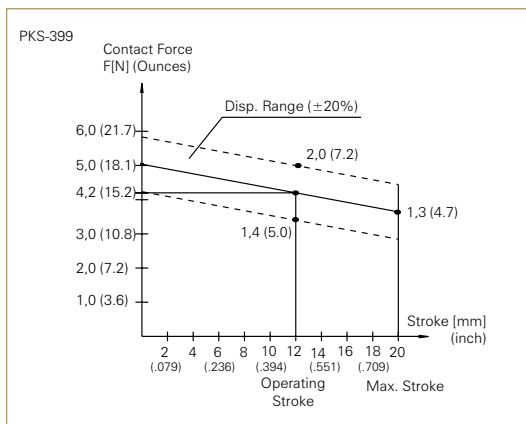
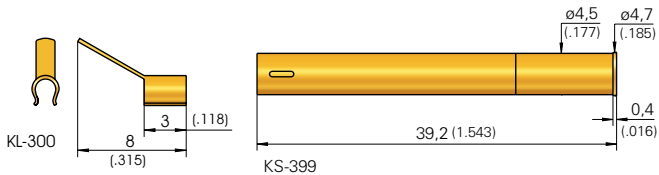
Recommended Stroke: 12,0 mm (.472)

Mounting and Functional Dimensions



PKS-399 Type 1: with Connection for Hose NW 1

PKS-399 Type 2: with Connection for Hose NW2 (lengths see 2nd value)



Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2	01 **	R	∅ 2,00 (.079)	
3	02	A	∅ 2,50 (.098)	
2	04 **	R	∅ 1,30 (.051)	2,00 (.079)
2	15*	A	∅ 2,00 (.079)	

* pressed-in HM-Tip, Installation Height 6,5 mm (.256)

** Collar Diameter: 2,0 mm (.079)

Available Tip Styles

Special Versions without Collar

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2	01 ***	R	∅ 1,50 (.059)	
2	04 ***	R	∅ 1,50 (.059)	
3	05 ***	A	∅ 1,30 (.051)	

*** Shaft Diameter: 1,50 mm (.059)

**** Note:

Tip 01, 15 F = 3,7 N (13.4oz)
 Tip 02, 04, 05 F = 4,2 N (15.2oz)

Warning:

Do not solder the cable to the crimp points of the Receptacle.

Mechanical Data

Working Stroke: 12,0 mm (.472)
Maximum Stroke: 20,0 mm (.787)
Cont. Force at Work.Stroke: 3,7 N (13.4oz) or 4,2 N (15.2oz)****
Operating Medium: Compressed Air (filtered, oil-free)
Operating Pressure: 6 bar (86 psi)

Materials

Plunger: Steel or BeCu, rhodium- or gold-plated
Barrel: Brass, gold-plated
Restoring Spring: Steel, gold-plated
Receptacle: Brass, gold-plated
O-Rings: Perbunan

Note:

For High-Current Applications up to 10 A, order with Special Designation „1H“ (Terminal „1“) resp. „2H“ (Terminal „2“).

Note:

The Receptacle can be used from Grid 5,08 mm (200 Mil) up.

Electrical Data

Current Rating: 2 - 3 A (up to 10 A see Note below)
R_i typisch: < 30 mΩ

Mounting Hole Size

with Receptacle: ∅ 4,48 - 4,49 mm (.1764 - .1768)
without Receptacle: ∅ 4,00 mm (.1575)

Note:

Pneumatic Accessories and general Instructions see Page 94/95.

Ordering Example

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

Test Probe:

P K S 3 9 9 2 0 1 2 0 0 R 3 7 0 2 1

Test Probe for usage up to 10 A:

P K S 3 9 9 2 0 4 1 3 0 R 4 2 0 2 1 H

Receptacle for PKS-399:

K S - 3 9 9

Clip Connection with Solder Terminal for Type 1:

K L - 3 0 0