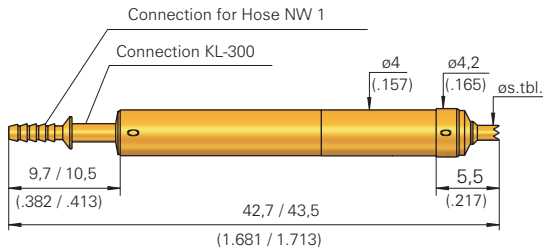


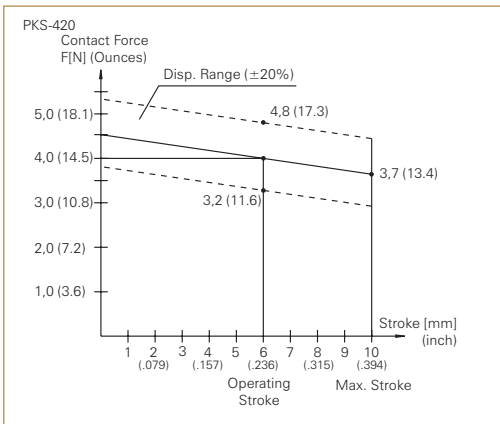
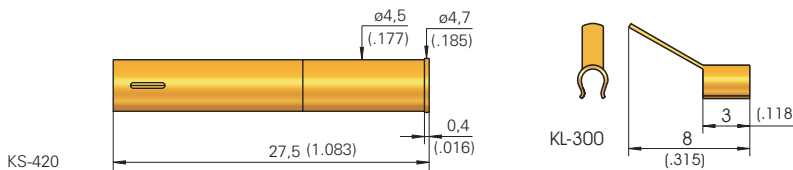
Grid:
 $\geq 4,50 \text{ mm}$
 $\geq 177 \text{ Mil}$
Installation height with KS: 5,9 mm (.232)
Recommended stroke: 6,0 mm (.236)

Mounting and functional dimensions



PKS-420 Type 1: with Connection for Hose NW 1

PKS-420 Type 2: with Connection for Hose NW2 (lengths see 2nd value)



Mechanical data

Working stroke: 6,0 mm (.236)
Maximum stroke: 10,0 mm (.394)
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)

Electrical data

Current rating: 2 - 3 A
 10 A (Type "1H" or "2H", see Note below)
R_i typisch: < 30 m Ω

Operating temperature

Standard: 0° up to +80 °C

Materials

Plunger: Steel, rhodium- or gold-plated
Barrel: Brass, gold-plated
Restoring spring: Steel, gold-plated
Receptacle: Brass, gold-plated
O-rings: Perbunan

Mounting hole size

with receptacle: $\varnothing 4,48 - 4,49 \text{ mm}$ (.1764 - .1768)
without receptacle: $\varnothing 4,00 \text{ mm}$ (.1575)

Available tip styles

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
2	01	R	$\varnothing 2,00$ (.079)	
2	04 **	R	$\varnothing 1,30$ (.051)	2,00 (.079)
2	05	R	$\varnothing 2,50$ (.098)	1,30 ** (.051)
2	06 **	A	$\varnothing 1,30$ (.051)	2,50 (.098) 3,50 (.138)
2	15 *	A	$\varnothing 2,00$ (.079)	
2	33 **	A	$\varnothing 1,30$ (.051)	
2	91 **	A	$\varnothing 1,30$ (.051)	

* pressed-in HM-tip, installation height 6,5 mm (.256)
 ** collar diameter: 2,0 mm (.079)

Warning:

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

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 size 5,08 mm (200 Mil) upwards.

Note:

Pneumatic accessories and general instructions shown on page 174.

*** Note:

Tip 15, 01, 91 $F = 3,7 \text{ N}$ (13.4oz)
 Tip 04, 05, 06, 33 $F = 4,2 \text{ N}$ (15.2oz)

Ordering example

	Series	Tip material 2 = Steel	Tip style	Tip diameter (1/100 mm)	Plating A = Gold R = Rhodium	Spring force (dN)	Collar height (mm)	Type (alternative "1", "1H", "2", "2H")
Test probe:	P K S	4 2 0	2	0 6	1 3 0	A	4 2	0 2 1
Test probe for use up to 10 A:	P K S	4 2 0	2	0 4	1 3 0	R	4 2	0 2 1H
Receptacle:	K S	4 2 0						
Clip connection with solder terminal for type 1:	K L	3 0 0						