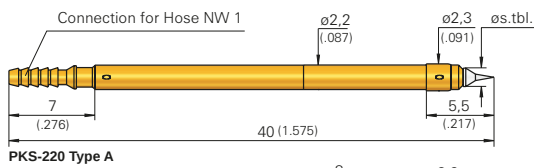


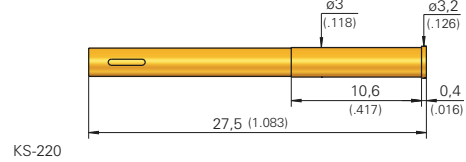
**Grid:**  
 $\geq 2,54 \text{ mm}$   
 $\geq 100 \text{ Mil}$

**Installation height with KS:** 5,9 mm (.232)  
**Recommended stroke:** 6,0 mm (.236)

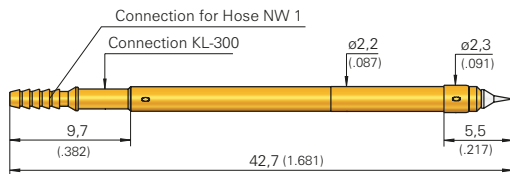
### Mounting and functional dimensions



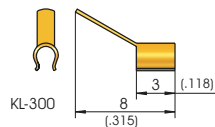
PKS-220 Type A



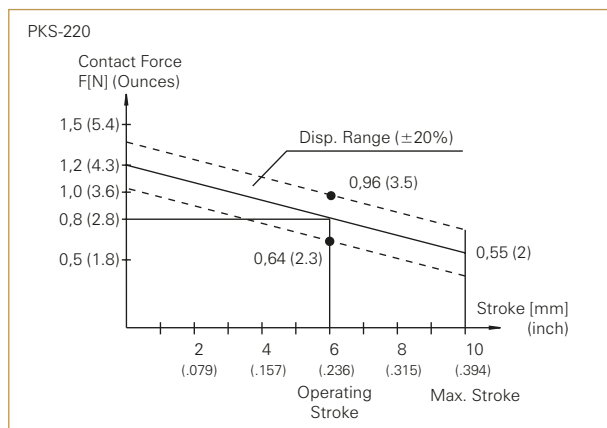
KS-220



PKS-220 Type B



KL-300



#### Mechanical data

**Working stroke:** 6,0 mm (.236)  
**Maximum stroke:** 10,0 mm (.394)  
**Cont. force at work.stroke:** 0,8 N (2.9oz)  
**Operating medium:** Compressed air (filtered, oil-free)  
**Operating pressure:** 6 bar (86 psi)

#### Electrical data

**Current data:** 2 - 3 A  
**R<sub>i</sub> typical:** < 30 mΩ

#### Operating temperature

**Standard:** 0° up to +80 °C

#### 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

#### Mounting hole size

**with receptacle:** Ø 2,98 - 2,99 mm (.1173 - .1177)  
**without receptacle:** Ø 2,20 mm (.0866)

### Available tip styles

| Material   | Tip style | Plating | Further versions |          |
|------------|-----------|---------|------------------|----------|
|            |           |         | Ø                | Ø (inch) |
| 2 01 **    |           | R       | Ø 1,50 (.059)    |          |
| 3 03       |           | R       | Ø 2,00 (.079)    |          |
| 2 04 *     |           | R       | Ø 1,30 (.051)    |          |
| 2 05 ***   |           | A       | Ø 1,00 (.039)    |          |
| 2 06       |           | A       | Ø 2,50 (.098)    |          |
| 3 06       |           | R       | Ø 2,00 (.079)    |          |
| 2 07       |           | R       | Ø 2,00 (.079)    |          |
| 2 91 ** ** |           | N       | Ø 1,00 (.039)    |          |

Collar diameter:

\* = 2,00 mm (.079)    \*\* = 1,50 mm (.059)  
 \*\*\* = 1,30 mm (.051)    \*\*\*\* = 1,20 mm (.047)

#### Warning:

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

#### Note:

The assembly in grid size 2,54 mm (100 Mil) is only possible up to a double row, and then only without use of receptacles and KL-300. The receptacle and KL-300 can be used from grid size 3,5 mm (140 Mil) upwards.

#### Note:

Pneumatic accessories and general instructions shown on page 174.

### Ordering example

|                                                      | Series | Tip material<br>2 = Steel<br>3 = BeCu | Tip style | Tip diameter<br>(1/100 mm) | Plating<br>A = Gold<br>R = Rhodium | Spring force<br>(dN) | Collar height<br>(mm) | Type<br>(alternative B) |
|------------------------------------------------------|--------|---------------------------------------|-----------|----------------------------|------------------------------------|----------------------|-----------------------|-------------------------|
| Test probe:                                          | PKS    | 2                                     | 20        | 201                        | 150                                | R                    | 08                    | 02 A                    |
| Receptacle:                                          | KS     | 2                                     | 20        |                            |                                    |                      |                       |                         |
| Clip connection with solder terminal for Series 220: | KL     | 3                                     | 00        |                            |                                    |                      |                       |                         |