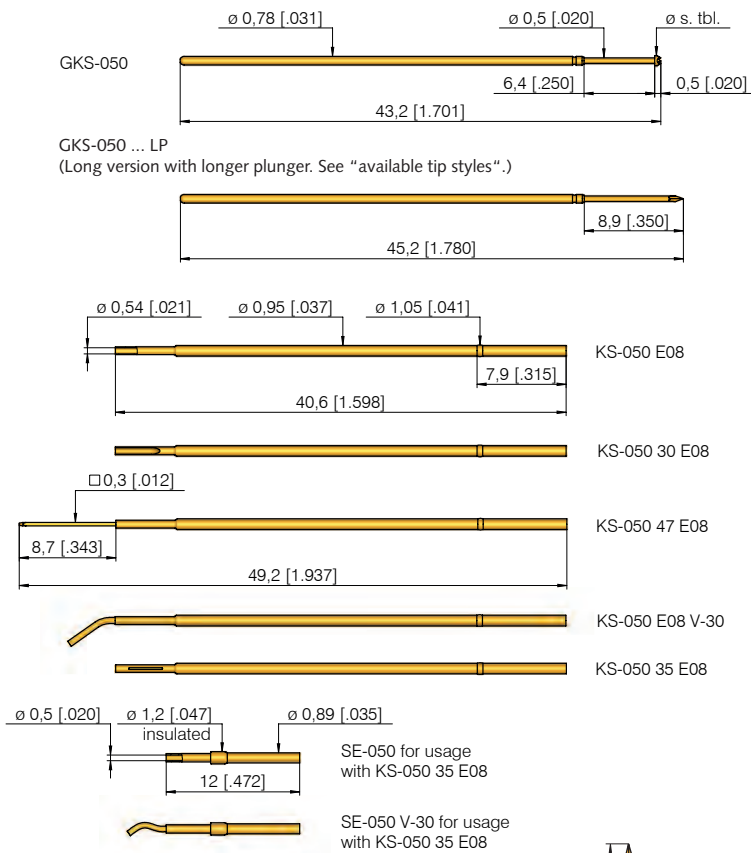


**Grid:**  
 ≥ 1,27 mm  
 ≥ 50 Mil

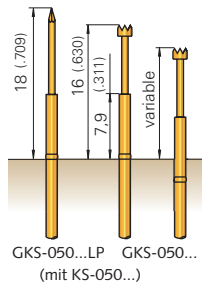
**Installation height with KS:** 16,0 / 18,0 mm (.630 / .709) / variable  
**Recommended stroke:** 4,3 mm (.169)

### Mounting and functional dimensions



#### Collar height and installation height

To adjust the installation height, receptacles with a press ring are used. The receptacles can be inserted up to the press ring (i.e. acting as a collar-stop) or with the press ring pressed into the mounting hole.



#### Mechanical data

**Working stroke:** 4,3 mm (.169)  
**Maximum stroke:** 6,35 mm (.250)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 1,0 N (3.6oz); 2,0 N (7.2oz)

#### Electrical Data

**Current rating:** 2 - 3 A  
**R<sub>i</sub> typical:** < 20 m $\Omega$  (\*\*\*) < 100 m $\Omega$ )

#### Mounting hole size

**in CEM1 and FR4:**  $\varnothing 0,98 - 1,00$  mm  
 (.0386 -.0394)

#### Materials

**Plunger:** BeCu or steel, gold-plated  
**Barrel:** Bronze, gold-plated  
**Spring:** Steel, gold-plated or stainless steel\*\*\* (C)  
**Receptacle:** BeCu, gold-plated

#### Operating temperature

**Standard:** -40° up to +80° C  
**\*\*\*with special designation "C":** -100° up to +200° C (2,0 N)

#### Note:

Screw-in versions shown on page 121.

### Available tip styles version GKS-050

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
2 01		A		
3 02		A		
3 03		A	0,90	(.035)
3 05		A		
3 06		A		
3 07		A	0,90	(.035)
2 14		A		
3 19		A		
2 22*		A		
2 31		A		
2 38		A		
2 77		A		
2 91		A		
2 97		A		

\* conical down to  $\varnothing 0,50$  mm

### Available tip styles special version GKS-050...LP

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
2 91		A		

Total length 45,2 mm (1.780), special designation "LP"

#### SE-050 V-30 / KS-050 E08 V-30:

The plug and receptacle are pre-wired with 1 m AWG 30 wire. The connection is soldered. Insulation tubing prevents shorts between the receptacles. Minimal recommended bending radius: 10 mm (.394).

### Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Special designation ("C"; "LP")
Test probe with total length 43,2 mm (1.700):	G K S	0 5 0	2 9 1	0 5 0	A	1 0	0 0	
Test probe with total length 45,2 mm (1.780):	G K S	0 5 0	2 9 1	0 5 0	A	1 5	0 0	LP
Receptacles:	KS-050 E08	KS-050 30 E08	KS-050 35 E08	KS-050 E08 V-30				
Plugs:	SE-050	SE-050 V-30						