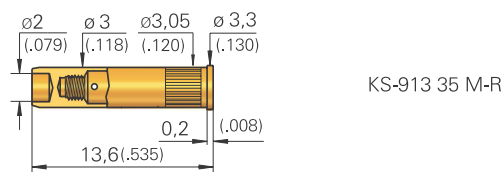
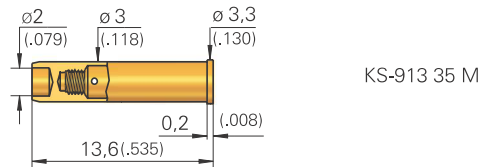
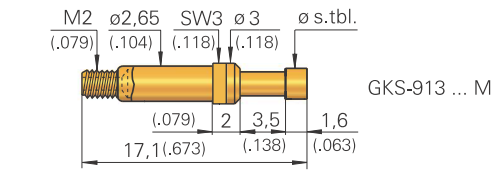


**Grid:**  
 ≥ 4,00 mm  
 ≥ 160 Mil

**Installation height:** 7,3 / 8,9 mm (.287 / .350)  
**Recommended stroke:** 2,8 mm (.110)

### Mounting and functional dimensions



### Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
1 02		A	3,50	(.138)
3 03		A		
3 05		A		
3 06*		A		
3 06		A	3,50 R 2,30 R	(.138) (.091)
3 08		R		
3 58**		R		

Tip length 3,4 mm (.134)

\* see table collar height and installation height  
 \*\* see table collar height and installation height

### Collar height and installation height

The installation height of the tip is determined by the collar height.

Collar height	Tip style	Install. height without KS	max. stroke
02	02/05/06/08	7,1 mm (.280)	3,5 mm (.138)
02	06 180*	7,1 mm (.280)	3,2 mm (.126)
02	58**	8,7 mm (.343)	3,3 mm (.130)

### Mechanical data

**Working stroke:** 2,8 mm (.110)  
**Maximum stroke:** see table  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 0,8 N (2.9oz); 2,5 N (9.0oz)

### Electrical data

**Current rating:** 5 - 8 A  
**R<sub>i</sub> typical:** < 20 mΩ (\*\*\*)  
 \*\*\* Spring force < 1,5 N not recommended for high-current applications

### Operating temperature

**Standard:** -40° up to +80° C  
 \*\*\* with spec. design. "C": -100° up to +200° C (1,5 N)

### Materials

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

### Mounting hole size

**in CEM1 and FR4:**  
**with KS-913 35 M:** ∅ 2,98 - 2,99 mm (.1173 - .1177)  
**for KS-913 35 M-R in CEM1 and FR4:** ∅ 3,00 - 3,02 mm (.1181 - .1189)

For applications up to 30 A:  
 see HSS-520 (M) shown on page 87

Recommended screw-in torque:  
 Min.: 5 cNm / Max.: 10 cNm

### Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force (dN)	Collar height (mm)	Type
	1 = Brass 3 = BeCu			A = Gold R = Rhodium			M, MC

Test probe:

G K S 9 1 3 3 0 8 2 3 0 R 1 5 0 2 M

Receptacle:

K S - 9 1 3 3 5 M K S - 9 1 3 3 5 M - R