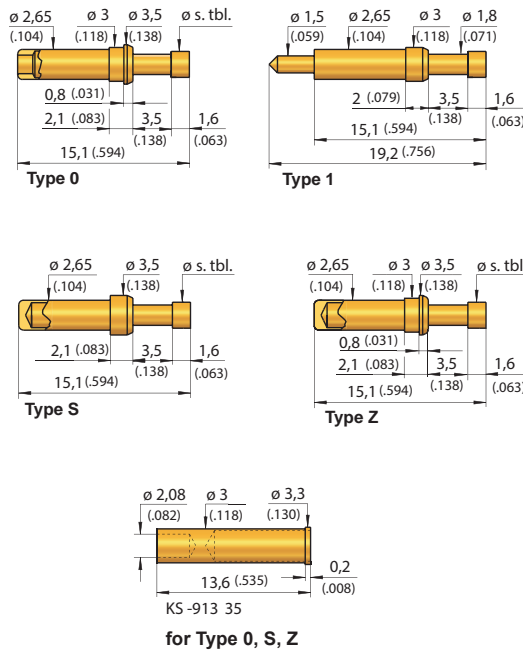


Grid:  
 ≥ 4,00 mm  
 ≥ 160 Mil

Installation height: 7,3 / 9,0 mm (.287 / .354)  
 Recommended stroke: 2,8 mm (.110)

## Mounting and functional dimensions

### GKS-913



### Mechanical data

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

### Operating temperature

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

### Electrical data

**Current rating:** 5 - 8 A (24 A\*\*\*\*)  
**R<sub>i</sub> typical:** < 20 mΩ (\*\*\*\* < 100 mΩ)

### 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 materials CEM1 and FR4:**  
**with receptacle:**  $\varnothing$  2,98 - 2,99 mm (.1173 - .1177)  
**without receptacle:**  $\varnothing$  2,65 mm (.1043)

### Note:

#### Version

- 0 End of probe barrel open
- 1 End of probe barrel with solder terminal
- S End of probe barrel closed; can be soldered into PCB
- Z End of probe barrel closed; can be soldered into PCB

Warning: Probes should be soldered with great care. Ensure the inside of the barrel is not exposed to high temperatures, because this could destroy the spring.

The KS-913 35 receptacle can only be combined with the probe types 0, S and Z.

## Available tip styles

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (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)

### Collar height and installation height

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

Type 0, S, Z			
Collar height	Tip style	Install. height without KS in mm	max. stroke mm
02	02/05/06/08	7,2 (.283)	3,5 (.138)
02	06 180*	7,2 (.283)	3,2 (.126)
02	58**	8,8 (.346)	3,3 (.130)

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

\*\*\*\* For applications up to 24 Amps: HSS-520 (M), see page 87.

### Note:

Screw-in version GKS-913 M shown on page 127.

## Ordering example

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

Test probe:

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

Receptacles:

K S - 9 1 3 3 5