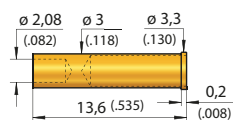
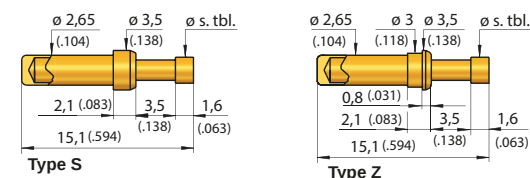
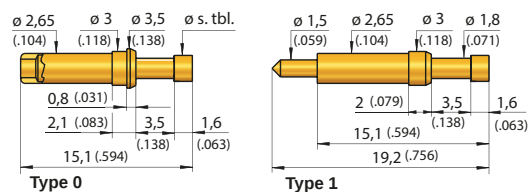


Grid:
 $\geq 4,00 \text{ mm}$
 $\geq 160 \text{ Mil}$

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

Mounting and functional dimensions

GKS-913



for Type 0, S, Z res. 0C, SC, ZC

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_i 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)

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		

Collar height and installation height

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

Type 0, S, Z / 0C, SC, ZC			
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 / 1C			
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.

Note (Type C probes are recommended for soldering):

Version

- 0C End of probe barrel open; danger of solder flux entering the probe
- 1C End of probe barrel with solder terminal
- SC End of probe barrel closed; can be soldered into PCB
- ZC 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, Z, 0C, SC and ZC.

Ordering example

Series	Tip material	Tip style	Tip diameter	Plating	Spring force	Collar height	Type
	1 = Brass 3 = BeCu		(1/100 mm)	A = Gold	(dN)	(mm)	1, 0, S, Z, 1C, 0C, SC, ZC

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