

HSS 520 / 520 M

Short-Stroke High-Current Probe up to 24 A

Grid:

≥ 4,0 mm

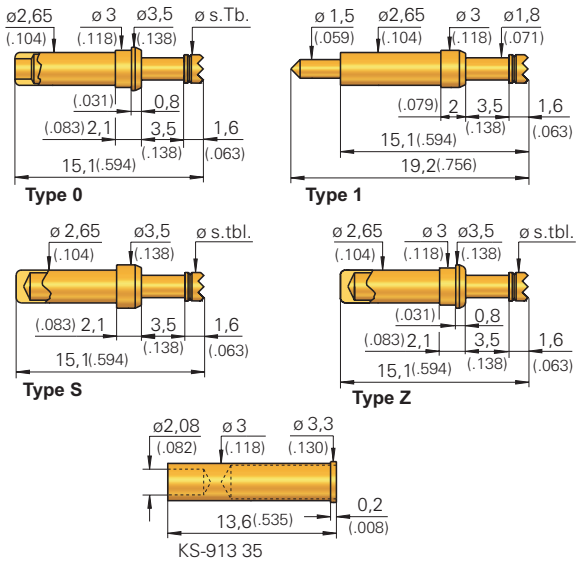
≥ 160 Mil

Installation Height: 7,2 mm (.283)

Recommended Stroke: 2,8 mm (.110)

Mounting and Functional Dimensions

HSS-520



Mechanical Data

Working Stroke: 2,8 mm (.110)
Maximum Hub: 3,5 mm (.138)
Spring Force at Work. Stroke: 1,5 N (5.4oz)

Electrical Data

Current Rating: 24 A
R_i typical: < 20 mΩ

Materials

Plunger: BeCu, gold-plated
Barrel: Brass, gold-plated
Spring: Stainless Steel
Receptacle: Brass, gold-plated

Mounting Hole Size

in Material CEM 1 and FR 4:
for KS-913 35: ∅ 2,98 - 2,99 mm (.1173 - .1177)
for KS-913 35 M-R: ∅ 3,00 - 3,02 mm (.1181 - .1189)
without Receptacle: ∅ 2,65 mm (.1043)

Note:

- Typ Version
- 0 End of Probe Barrel open
- 1 End of Probe Barrel with solder terminal
- M End of Probe Barrel with thread M2 for KS-913 35 M (-R)
- S End of Probe Barrel closed; can be soldered into PCB
- Z End of Probe Barrel closed; can be soldered into PCB

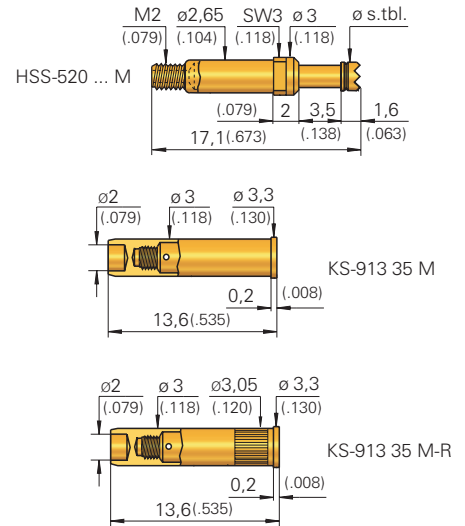
Warning: Soldering the Probes demands great care. High temperatures must not reach the inside of the barrel, because this could destroy the spring.

The Receptacle KS-913 35 can only be combined with the Probe Types 0, S and Z. The Receptacle KS-913 35 M can only be combined with the Probe Type M.

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
3 06		A	∅ 2,30 (.091)	
3 06		A	∅ 3,50 (.138)	

HSS-520 ... M



Collar Height and Installation Height

The Installation Height of the Tip is determined by the Collar Height.

Collar Height	Installation Height
02	7,2 mm (.283)

Operating Temperature

Standard: -100° up to +200° C

Tools:

Insertion and Extraction Tools for GKS and KS see Page 118.

Note:

HSS-520 ... M will be screwed into Receptacle KS-913 35 M (-R), using special tools (see Page 170/171).

Recommended Screw-in Torque:
 Min.: 5 Ncm / Max.: 10 Ncm

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type
	3 = BeCu			A = Gold R = Rhodium			1, 0, S, M, Z

Test Probe:

H S S 5 2 0 3 0 6 2 3 0 A 1 5 0 2 M

Receptacles:

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