

HSS 520/HSS 520 M

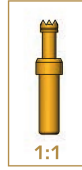
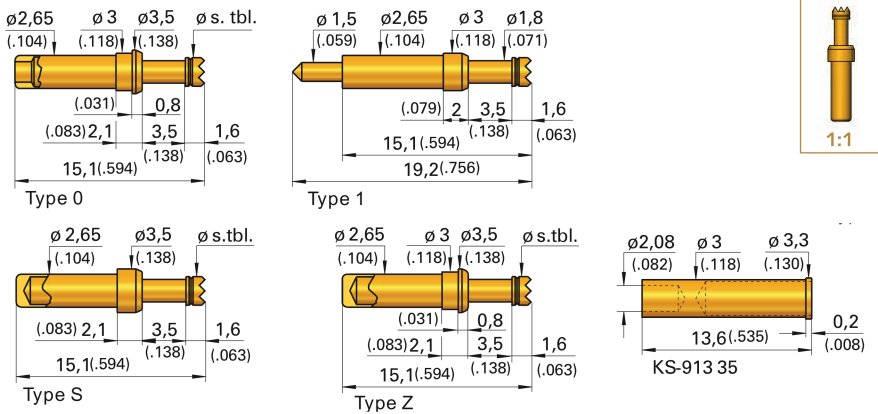
High Current Probe up to 30 A
Short-stroke Test Probes to Plug in and Screw in

Grid:
≥ 4,0 mm
≥ 160 Mil

Installation height with KS: 7,4 mm (.291)
Recommended stroke: 2,8 mm (.110)

Mounting and functional dimensions

HSS-520



| Material | | Tip style | Plating | Further versions | |
|----------|----|-----------|---------|------------------|----------|
| 3 | 06 | | | ∅ | ∅ (inch) |
| | | | A | 3,50 | (.138) |

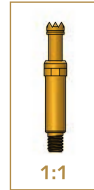
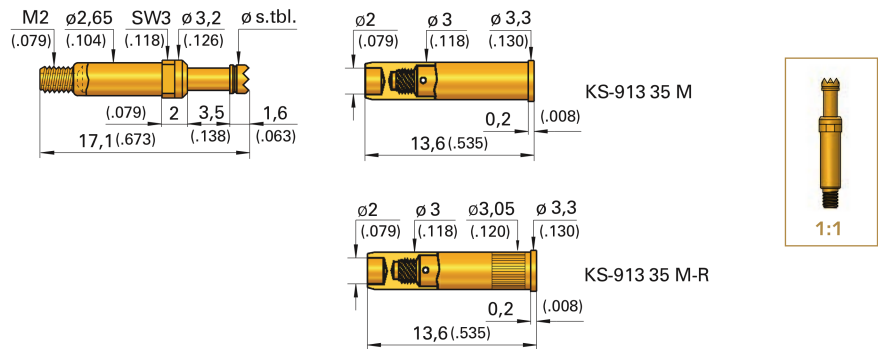
Note:

| Typ | Version |
|-----|--|
| 0 | End of Probe Barrel open; with reduced collar ∅ 3 mm |
| 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; with reduced collar ∅ 3 mm |

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.

HSS-520 ... M



Compatible GKS

GKS-913 (plug-in version)
GKS 913 M (screw-in version)

Materials

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

Operating temperature

Standard: -100° up to +200° C

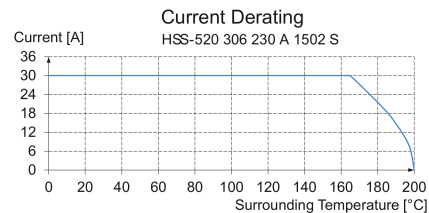
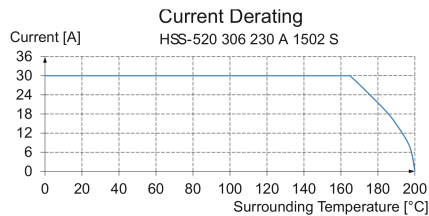
Mounting hole size

for KS-913 35 and KS-913 35 M
in CEM1 and FR4: ∅ 2,98 - 2,99 mm (.1173 - .1177)

for KS-913 35 M-R
in CEM1 and FR4: ∅ 3,00 - 3,02 mm (.1181 - .1189)

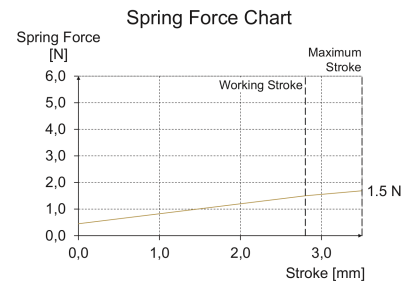
Electrical data

Current rating (at room temp.): max. 30 A
R_j typical: < 20 mΩ



Mechanical data

Working stroke: 2,8 mm (.110)
Maximum stroke: 3,5 mm (.138)
Spring force at work. stroke: 1,5 N (5.4oz)



Ordering example

Series Tip material Tip style Tip diameter (1/100 mm) Plating Spring force (dN) Collar height (mm) Type

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