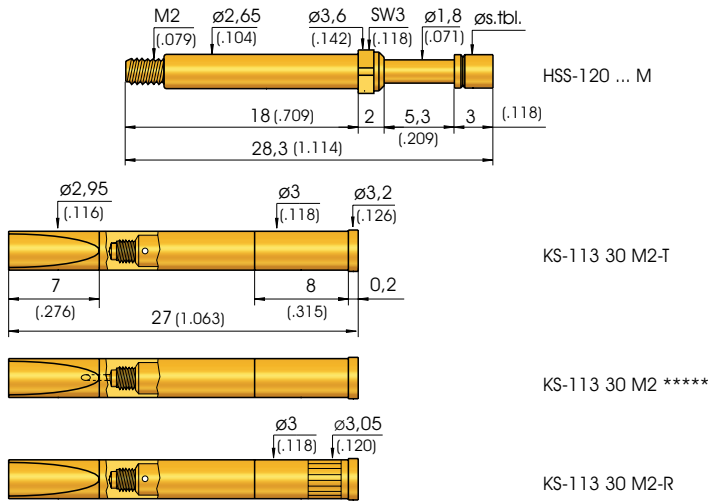


Grid:
 ≥ 4,00 mm
 ≥ 160 Mil

Installation Height: 10,5 mm (.413)
Recommended Stroke: 4,0 mm (.157)

Mounting and Functional Dimensions

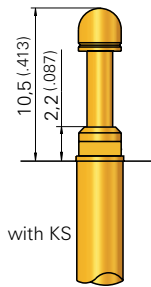


**** axially positioned through-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.

Collar Height and Installation Height

The Installation Height of the Tip (Dimension with Receptacle) is determined by the Collar Height. Test Probes can only be used with Receptacle.

Collar Height	Installations Height with Receptacle
02 M	10,5 mm (.413)



Mechanical Data

Working Stroke: 4,0 mm (.157)
Maximum Stroke: 5,3 mm (.209)
Spring Force at Work. Stroke: 1,5 N (5.4oz)
alternative: 0,3 N* (1.1oz); 0,6 N* (2.2oz); 1,0 N* (3.6oz); 2,25 N (8.1oz); 3,0 N (10.8oz)

Electrical Data

Current Rating: max. 24 A, with Spring Force ≥ 1,5 N and Plunger made of BeCu

* Spring force < 1,5 N are not recommended for high-current applications

R_i typical: ≤ 10 mΩ

Materials

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

Mounting Hole Size

for KS-113 30 M2
in CEM 1 and FR 4: Ø 2,99 mm (.1177)
for KS-113 30 M2 - R
in CEM 1 and FR 4: Ø 3,00 - 3,02 mm (.1181 - .1189)

Operating Temperature

Standard: -100° - +200° C

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			Ø	Ø (inch)
3 02		A	4,00	(.157)
3 03		A		
3 05		A		
3 05		A	3,00	(.118)
3 05***		S		
3 06		A	3,00 4,00	(.118) (.157)
3 17		A		
3 19		A		
2 51**		A		
3 53**		S		
3 55**		A		

** Tip Length 5 mm (.197) - Installation Height with Collar Height 02: 12,5 mm (.492)

*** pressed-in Silver stud

**** pressed-in Silver stud, Tip Length 3,5 mm (.138) Installation Height plus 0,5 mm (.020)

Applications:

- High-current transfer during Functional Test
- Power-Supply Test
- Burn-In Test
- Contacting element in permanent use
- Usage with AC and DC

Note:

HSS-120 ... M will be screwed into KS-113 ... M using special tools (see Page 170/171).

Recommended Screw-in Torque:
 Min.: 10 Ncm / Max.: 20 Ncm

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation
	2 = Steel 3 = BeCu			A = Gold S = Silver			

Test Probe:

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

Receptacles for HSS-120 ... M:

K S - 1 1 3 3 0 M 2 - T K S - 1 1 3 3 0 M 2 - R

Receptacle for Leakage Test *****:

K S - 1 1 3 3 0 M 2