

HSS 120

High Current Probe up to 30 A
Plug-in Test Probe

Grid:

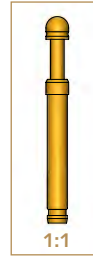
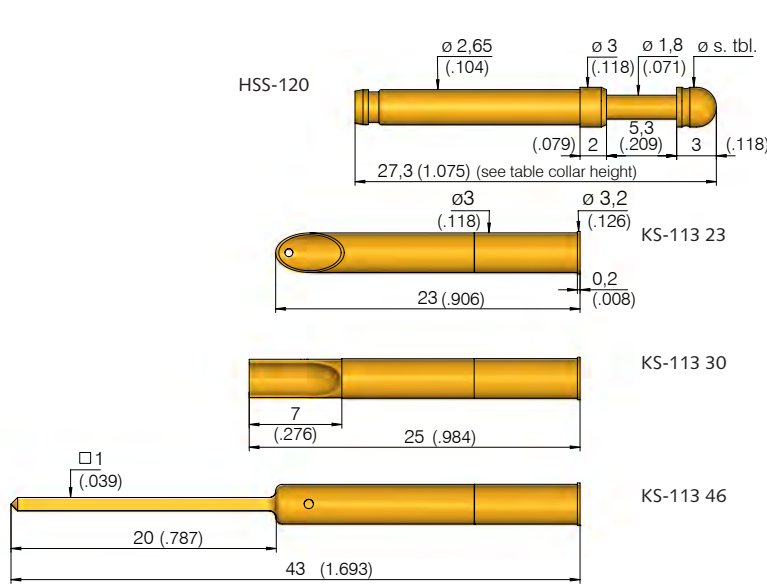
≥ 4,00 mm

≥ 160 Mil

Installation height with KS: 10,5 / 13,5 / 18,5 mm (.413 / .531 / .728)

Recommended stroke: 4,0 mm (.157)

Mounting and functional dimensions



Available tip styles

Material	Tip style	Plating	Further versions	
			\varnothing	\varnothing (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-on silver tip
 *** pressed-on silver tip, tip length 3,5 mm (.138) installation height plus 0,5 mm (.020)

Collar height	02	05	10
Total length (mm)	27,3	30,3	35,3
Installation height without receptacle (mm)	10,3	13,3	18,3

Compatible GKS

GKS-113 (assembled in same receptacle)

Materials

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

Operating temperature

Standard: -100° up to +200° C

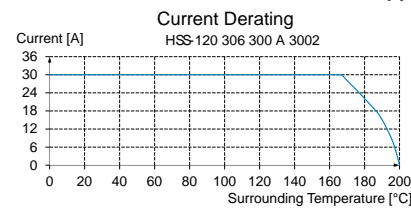
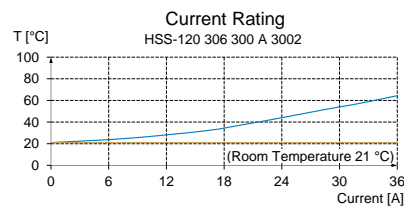
Mounting hole size

for KS-113 xx:
 in CEM1 and FR4: $\varnothing 2,98 - 2,99$ mm (.1173 - .1177)

Electrical data

Current rating (at room temp.): max. 30 A with spring force $\geq 1,5$ N and BeCu plunger (***) spring force $< 1,5$ N not recommended for high current applications)

R_i typical: < 10 m Ω



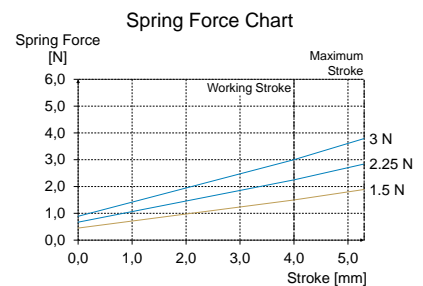
Mechanical data

Working stroke: 4,0 mm (.157)

Maximum stroke: 5,3 mm (.209)

Spring force at work. stroke: 1,5 N (5.4oz)

Alternative: 1,0 N (3.6oz) ****; 2,25 N (8.1oz); 3,0 N (10.8oz)



Ordering example

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

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

Receptacles:

K S - 1 1 3 3 0 K S - 1 1 3 2 3 K S - 1 1 3 4 6