

HSS 120

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

Grid:

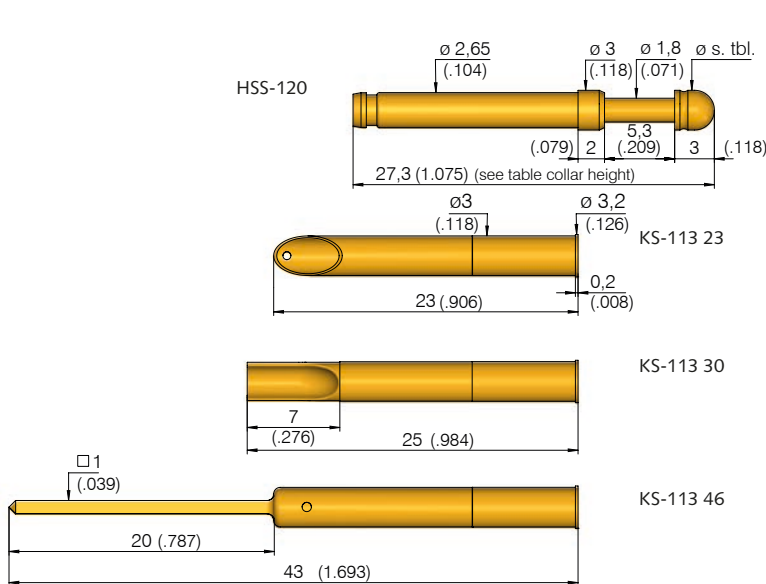
≥ 4,00 mm

≥ 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



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

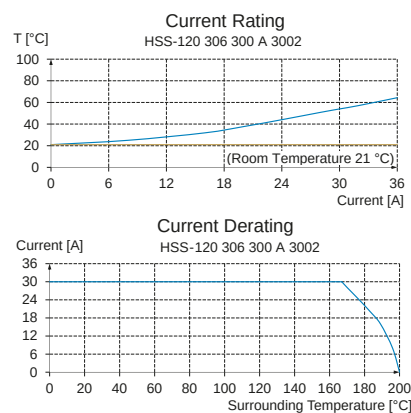
Standard: -100° up to +200° C

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



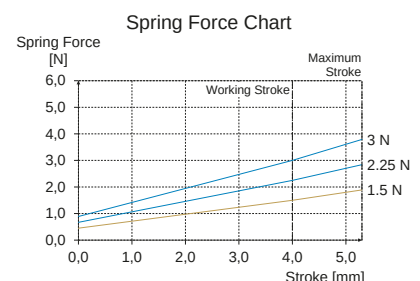
Available tip styles

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		A	2,30	(.091)
3 05		S		
3 06		A	3,00	(.118)
3 06		A	4,00	(.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)

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