

HSS 118

High Current Probe up to 20 A
Plug-in Test Probe

Grid:

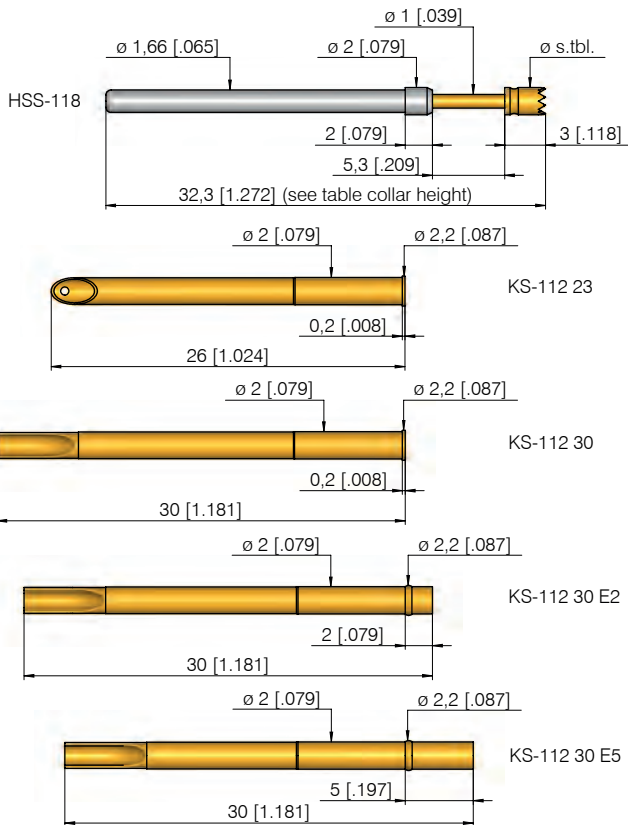
≥ 2,54 mm

≥ 100 Mil

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

Recommended stroke: 4,0 mm (.157)

Mounting and functional dimensions



Available tip styles

Material	Tip style	Plating	Further versions	
			ϕ	ϕ (inch)
3 02		A	$\phi 1,00$ (.039)	
3 03		A	$\phi 2,00$ (.079)	
3 05		A	$\phi 0,80$ (.031)	0,65 (.026)
3 05		A	$\phi 1,00$ (.039)	
3 05*		S	$\phi 2,00$ (.079)	
3 06		A	$\phi 2,00$ (.079)	1,30 (.051) 1,60 (.063) 1,80 (.071) 2,50 (.098) 3,50 (.138)
2 14		A	$\phi 1,30$ (.051)	
3 17		A	$\phi 1,75$ (.069)	2,00 (.079)
3 19		A	$\phi 2,00$ (.079)	
3 53**		S	$\phi 2,00$ (.079)	

* pressed-on silver head

** pressed-on silver head, tip length 3,5 mm (.138)
installation height plus 0,5 mm (.020)

Collar height	02	03	04	05	06	07	08	09	10
Total length (mm)	32,3	33,3	34,3	35,3	36,3	37,3	38,3	39,3	40,3
Installation height without receptacle (mm)	10,3	11,3	12,3	13,3	14,3	15,3	16,3	17,3	18,3

Compatible GKS

GKS-112 (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-112 xx

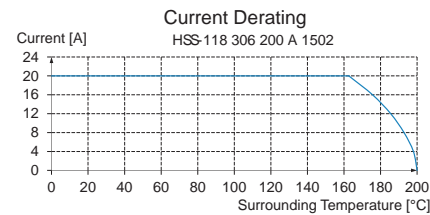
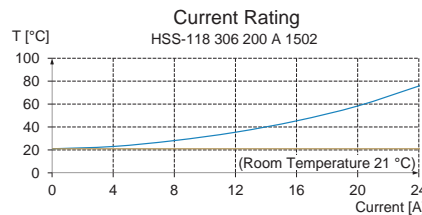
in CEM1: $\phi 1,98 - 2,00$ mm (.0780 - .0787)

in FR4: $\phi 1,99 - 2,01$ mm (.0783 - .0791)

Electrical data

Current rating (at room temp.): max. 20 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

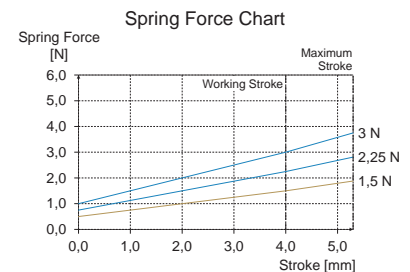
Working stroke: 4,0 mm (.157)

Maximum stroke: 5,3 mm (.209) for tip styles with diameter ≤ 1 mm (.039)

Maximum stroke: 8,0 mm (.315)

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

Alternative: 0,8 N (2.9oz)***; 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 1 8 3 0 6 2 0 0 A 1 5 0 2

Receptacles:

K S - 1 1 2 2 3 K S - 1 1 2 3 0 K S - 1 1 2 3 0 E 2 / E 5