






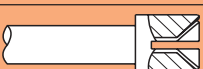
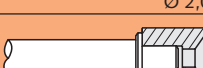


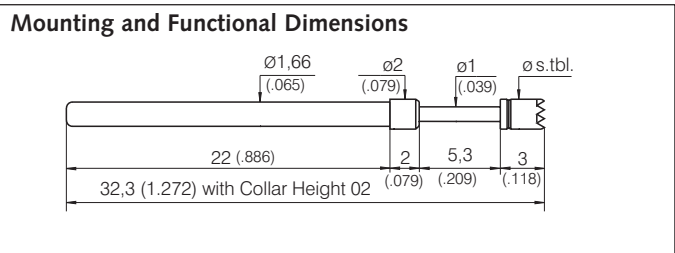
HSS 118

Grid:
 ≥ 2,54 mm
 ≥ 100 Mil

High-Current Probe up to 16 A
 Installation Height: 10,3 mm (.406) - 18,3 mm (.720)
 Recommended Stroke: 4,0 resp. 6,4 mm (.157/.252)

Available Tip Styles				Special Versions	
Material	Tip Style	Standard Plating	Ø	Special Versions	
				Ø	Øinch
3	02 	A	Ø 1,00 (.039)		
3	03 	A	Ø 2,00 (.079)		
3	05 	A	Ø 1,00 (.039)		
3	05* 	S	Ø 2,00 (.079)		
3	06 	A	Ø 2,00 (.079)	1,30 (.051) 1,60 (.063) 2,50 (.098) 3,50 (.138)	
2	14 	A	Ø 1,30 (.051)		
3	17 	A	Ø 1,75 (.069)	2,00 (.079)	
3	19 	A	Ø 2,00 (.079)		
3	53** 	S	Ø 2,00 (.079)		

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



Mechanical Data
 For Tip Styles with Tip Diameter > 1 mm (.039)
 Working Stroke: 4,0 mm (.157)
 Maximum Stroke: 5,3 mm (.209)
 For Tip Styles with Tip Diameter ≤ 1 mm (.039)
 Working Stroke: 6,4 mm (.252)
 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)
 Test Point Size: ≥ Ø 1,1 mm (.043)

Electrical Data
 Current Rating: max. 16 A
 with Spring Force ≥ 1,5N
 and Plunger made of BeCu
 ≤ 10 mΩ
 R_i typical:

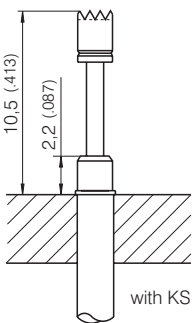
Operating Temperature
 Standard: -40° up to +80° C
 with 1,5 N and 2,25 N-Spring: -100° up to +200° C

Mounting Hole Size HSS - 118 and KS - 112 xx
 with Receptacle: see KS-112 Page 34
 without Receptacle: Ø 1,65 mm (.0650)

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

Collar Height and Installation Height
 The Installation Height of the Tip (Dimension without Receptacle) is determined by the Collar Height.

Collar Height	Installation Height
02	10,3 mm (.406)
03	11,3 mm (.445)
04	12,3 mm (.484)
05	13,3 mm (.524)
06	14,3 mm (.563)
07	15,3 mm (.602)
08	16,3 mm (.642)
09	17,3 mm (.681)
10	18,3 mm (.720)



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

Note to HSS - 118 and KS - 112:
 HSS-118 are used with Receptacles of the series KS-112
 > see Page 34.
 Insertion and Extraction Tools for HSS and KS > see Page 80.

Screw-in Version:
 > see HSS-118 ... M Page 90.

Ordering Example:

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)
HSS	3	17	1,75	A	15	02

Test Probe: **HSS 118 3 17 175 A 15 02**

Receptacles for HSS-118: **KS - 112 30** **KS - 112 47**