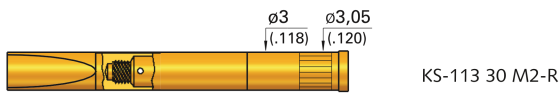
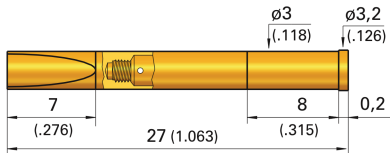
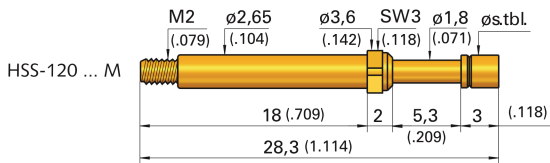


**Grid:**  
≥ 4,00 mm  
≥ 160 Mil

**Installation height with KS:** 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.

## Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (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)

### Materials

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

### Electrical data

**Current rating (at room temp.):** max. 30 A with spring force ≥ 1,5 N and BeCu plunger (\*spring force < 1,5 N not recommended for high-current applications)  
**R<sub>i</sub> typical:** < 10 mΩ

### 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)

### Operating temperature

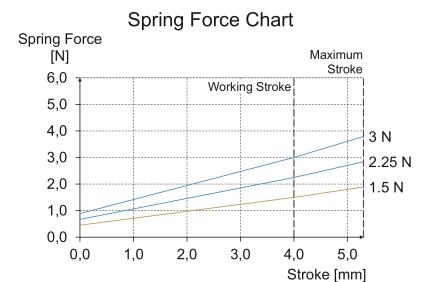
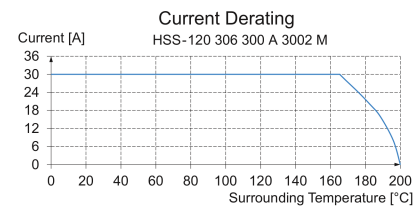
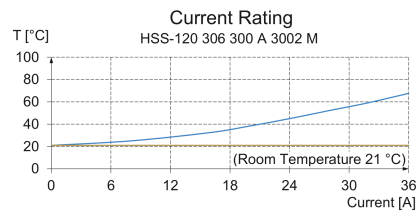
**Standard:** -100° up to +200° C

### Mounting hole size

for **KS-113 30 M2 / M2-T**  
in **CEM1:** ∅ 2,98 - 3,00 mm (.1173 - .1183)  
in **FR4:** ∅ 2,99 - 3,01 mm (.1177 - .1185)  
for **KS-113 30 M2-R / M2-R-S**  
in **CEM1 and FR4:** ∅ 3,00 - 3,02 mm (.1181 - .1189)

### Recommended screw-in torque

Min. 10 cNm / Max. 20 cNm



## Ordering example

Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold S = Silver	Spring force (dN)	Collar height (mm)	Type
Test probe:	HSS	120	306	300	A	15	02 M
Receptacles:	KS-113 30 M2 / M2-T		KS-113 30 M2-R / M2-R-S				