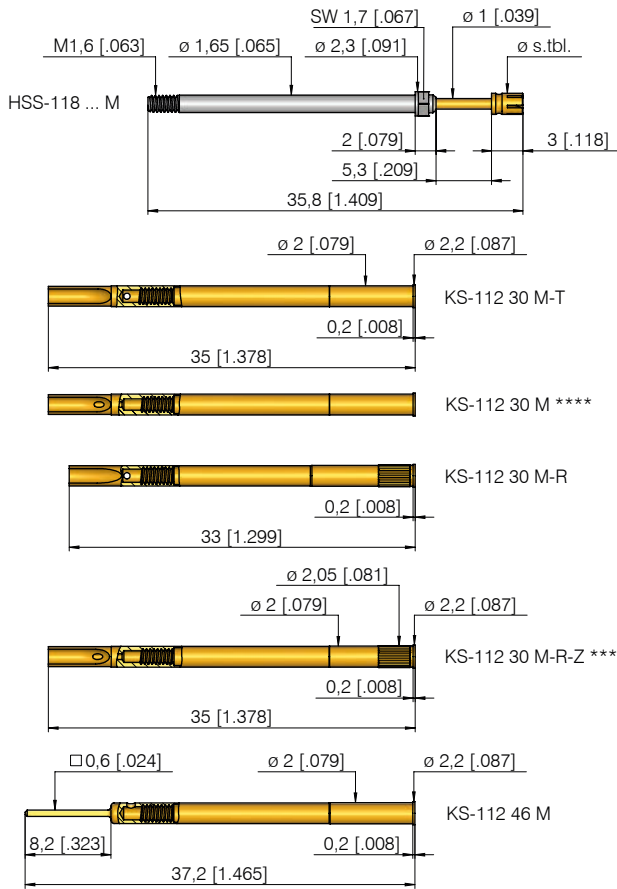


Grid:
≥ 2,54 mm
≥ 100 Mil

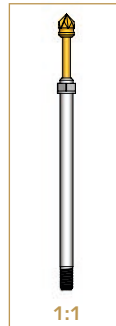
Installation height with KS: 10,5 mm (.413)

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	
			Ø	Ø (inch)
3 02		A	Ø 1,00 (.039)	
3 03		A	Ø 2,00 (.079)	
3 05		A	Ø 0,80 (.031)	0,65 (.026)
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) 1,80 (.070) 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-on silver head

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

Compatible GKS

GKS-112 M (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 M
in CEM1 and FR4: Ø 1,98 - 1,99 mm (.0780 - .0783)

for KS-112 xx M-R/M-R-Z
in CEM1 and FR4: Ø 2,00 - 2,02 mm (.0787 - .0795)

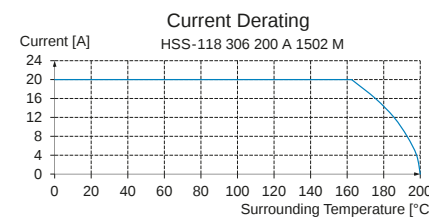
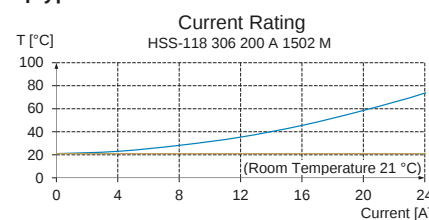
Recommended screw-in torque

Min. 3 cNm / Max. 5 cNm

Electrical data

Current rating (at room temp.): max. 20 A with spring force ≥ 1,5 N and BeCu plunger (***) spring force < 1,5 N not recommended for high current applications)

R_i typical: < 10 mΩ



Mechanical data

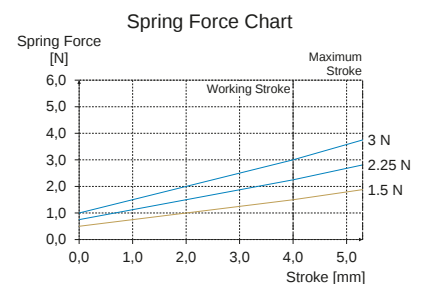
Working stroke: 4,0 mm (.157)

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 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	118	306	200	A	1502	M
Receptacles:	KS-112	30 M / M-R / M-T / M-R-Z					