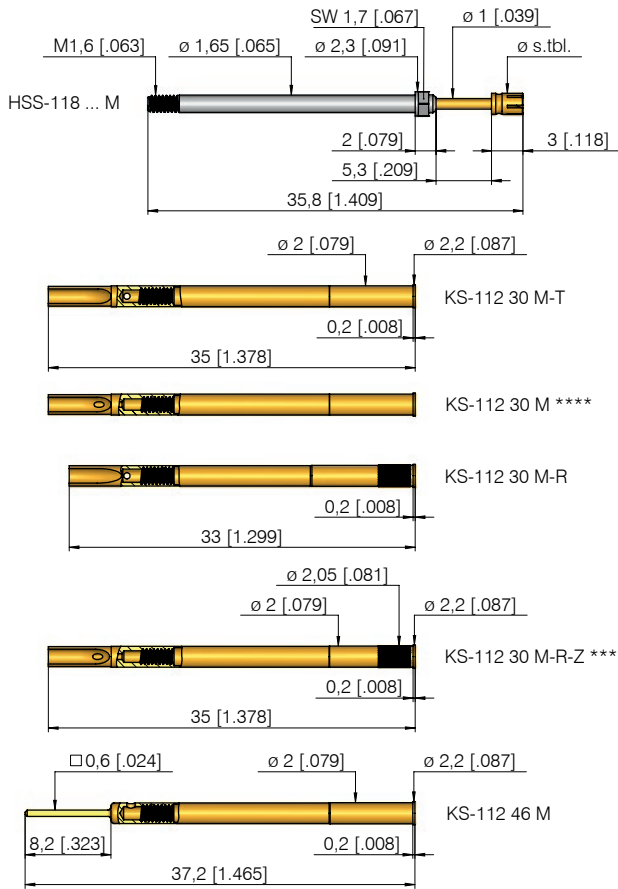


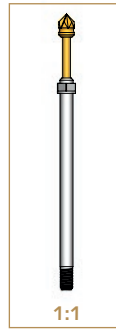
Grid:
≥ 2,54 mm
≥ 100 Mil

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 | |
|----------|-----------|---------|------------------|----------|
| | | | ∅ | ∅ (inch) |
| 3 02 | | A | | |
| 3 03 | | A | | |
| 3 05 | | A | 0,65 | (.026) |
| 3 05 | | A | | |
| 3 05** | | S | | |
| 3 06 | | A | 1,30 | (.051) |
| | | | 1,60 | (.063) |
| | | | 1,80 | (.070) |
| | | | 2,50 | (.098) |
| 3,50 | (.138) | | | |
| 2 14 | | A | | |
| 3 17 | | A | 2,00 | (.079) |
| 3 19 | | A | | |
| 3 53*** | | S | | |

** 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: ∅ 1,98 - 1,99 mm (.0780 - .0783)

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

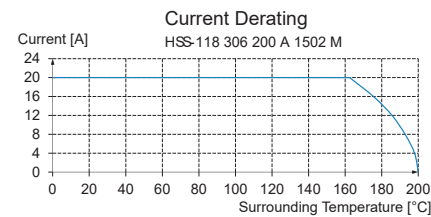
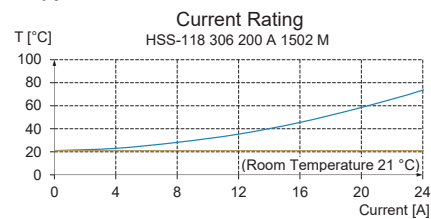
Recommended screw-in torque

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_j typical: < 10 mΩ



Mechanical data

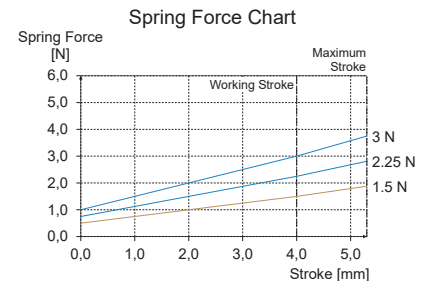
Working stroke: 4,0 mm (.157)

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 | Tip style | Tip diameter (1/100 mm) | Plating | Spring force (dN) | Collar height (mm) | Type |
|--------------|-----------------------|-----------------------------------|-------------------------|------------------------|-------------------|--------------------|-----------|
| | 2 = Steel 3 = BeCu | | | A = Gold S = Silver | | | |
| Test probe: | | HSS | 118 | 3 | 06 | 200 | A 15 02 M |
| Receptacles: | | KS - 112 30 M / M-R / M-T / M-R-Z | | | KS - 112 46 M | | |