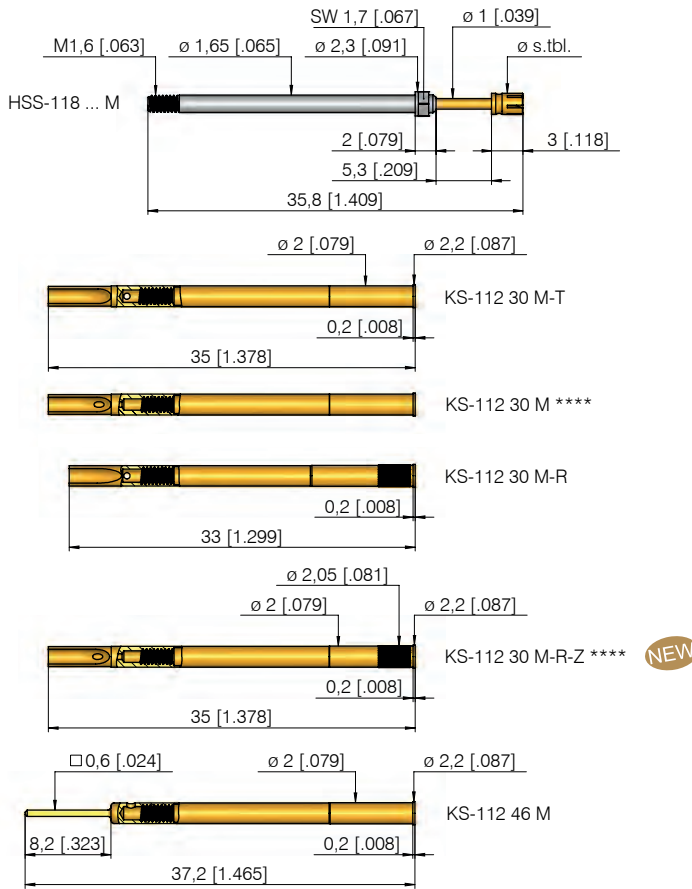


Grid:
≥ 2,54 mm
≥ 100 Mil

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	
			ϕ	ϕ (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: ϕ 1,98 - 1,99 mm (.0780 - .0783)

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

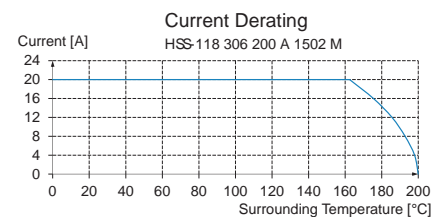
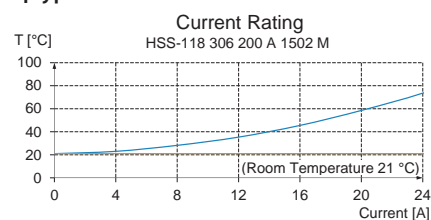
Recommended screw-in torque

Min. 3 cNm / Max. 5 cNm

Electrical data

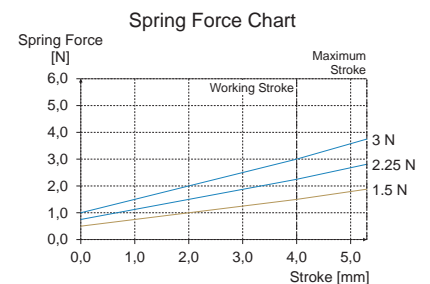
Current rating (at room temp.): max. 20 A with spring force \geq 1,5 N and BeCu plunger (***) spring force $<$ 1,5 N not recommended for high current applications)

R_j typical: $<$ 10 m Ω



Mechanical data

Working stroke: 4,0 mm (.157)
Maximum stroke: 5,3 mm (.209) for tip styles with diameter \leq 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		