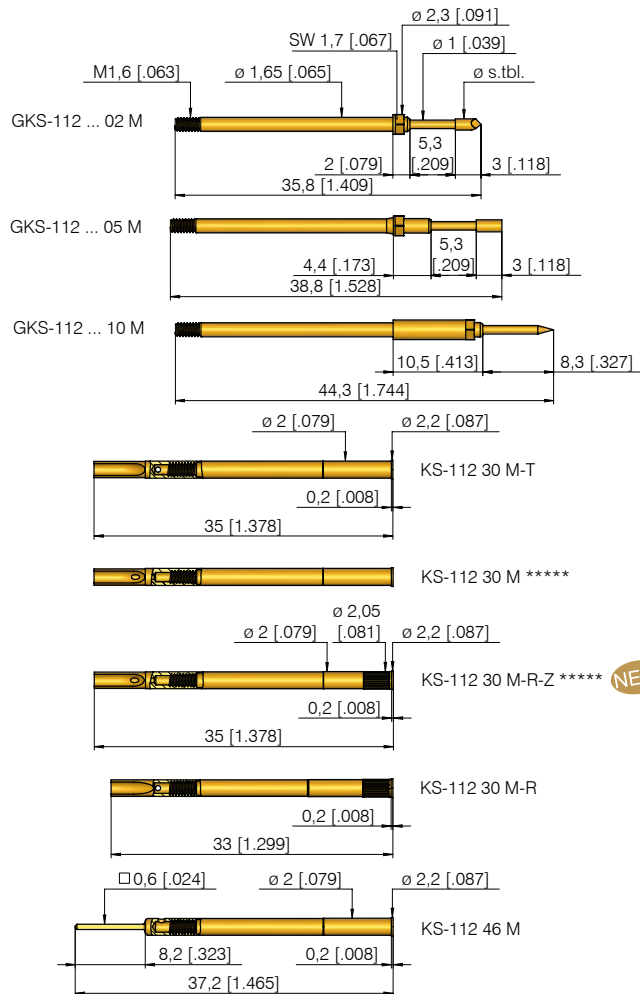


Grid:
 $\geq 2,54 \text{ mm}$
 $\geq 100 \text{ Mil}$

Installation height with KS: 10,5/13,5/19,0 mm (.413/.531/.748)

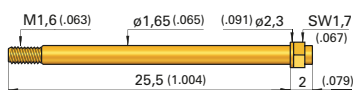
Recommended stroke: 4,0 / 6,4 mm (.157/.252)



***** axially positioned through-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.

Plug VS-112 M is used instead of a test probe to prevent receptacles being used unnecessarily during maintenance.

VS-112 M



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: 0,6 (2.1oz); 0,8 (2.9oz); 2,25 (8.1oz); 3,0 (10.8oz); 5,0 N (18.1oz)

Test probes with tip diameter $\leq 1,0 \text{ mm}$ (.039) have a maximum stroke of 8,0 mm (.315)
 Exception: 5,0 N-spring (18.1oz): max. stroke is always 5,3 mm (.209)

Operating temperature

Standard: -40° up to +80° C
with spec. design. "MC": -100° up to +200° C (0,8; 1,5; 2,25; 3,0 N)

Collar height	Install. height with KS
02	10,5 mm (.413)
05	13,5 mm (.531)
10	19,0 mm (.748)

Materials

Plunger: BeCu or steel, gold-, rhodium or chemically nickel-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated or stainless steel (MC)
Receptacle: Brass, gold-plated

Mounting hole size

for KS-112 xx M and KS-112 xx M-T in CEM1 and FR4: $\varnothing 1,98 - 1,99 \text{ mm}$ (.0780 - .0783)

for KS-112 xx M-R / M-R-Z in CEM1 and FR4: $\varnothing 2,00 - 2,02 \text{ mm}$ (.0787 - .0795)

Electrical data

Current rating: 5 - 8 A
R_i typical: < 20 m Ω
 (with spec. design. "MC" < 100 m Ω)

Available tip styles

Material	Tip style	Plating	Further versions	
			$\varnothing$	$\varnothing$ (inch)
2 01		R A	1,00 (.039)	0,80 (.031)
3 02		A	0,64 (.025)	
3 02		A	0,64 (.025)	
3 02		A	0,80 (.031)	
3 02		A	2,00 (.079)	1,00 (.039) 1,50 (.059)
3 03		A	2,00 (.079)	1,40 (.055) 1,80 (.071)
2 04		R	2,00 (.079)	1,30 (.051)
3 05		A	0,63 (.025)	
3 05		A	0,64 (.025)	
3 05		A	0,64 (.025)	0,80 (.031)
3 05		A	2,00 (.079)	1,00 (.039) 1,40 (.055) 2,30 (.091)
0 06*		A	2,30 (.091)	
3 06		A	2,00 (.079)	
3 06		R	2,00 (.079)	1,30 (.051) 1,50 (.059) 1,80 (.071) 2,50 (.098)
2 07		R A	2,00 (.079)	1,30 A (.051)
2 09		N	0,60 (.024)	
2 14		A	1,30 (.051)	1,30 R (.051)
2 17		N	1,75 (.069)	2,00 R (.079)
3 19		A	1,80 (.071)	2,00 (.079)

* also available as tip style 0 02 and 0 03

Installation height plus 0,8 mm (.031)

** plunger with defined wobble, spec. designation... MT

*** pressed-in steel point in base plunger made of brass

**** tip style with special designation "M-30"

Collar height and installation height

The installation height of the tip (measured with the receptacle) is determined by the collar height. The test probe can only be used with a receptacle.

Recommended screw-in torque:
 Min.: 3 cNm / Max.: 5 cNm

Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force (dN)	Collar height (mm)	Special designation alternative
	0 = Delrin 2 = Steel 3 = BeCu			A = Gold N = Nickel R = Rhodium			"MC", "MT", "M-30" (see ****)

Test probe:

G K S 1 1 2 2 0 4 1 3 0 R 1 5 0 2 M 30

Plug:

V S 1 1 2 M

All specifications are subject to change without prior notification