
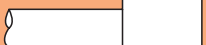




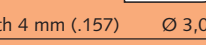






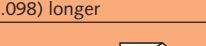



GKS 113 M

Grid:
 ≥ 4,00 mm
 ≥ 160 Mil

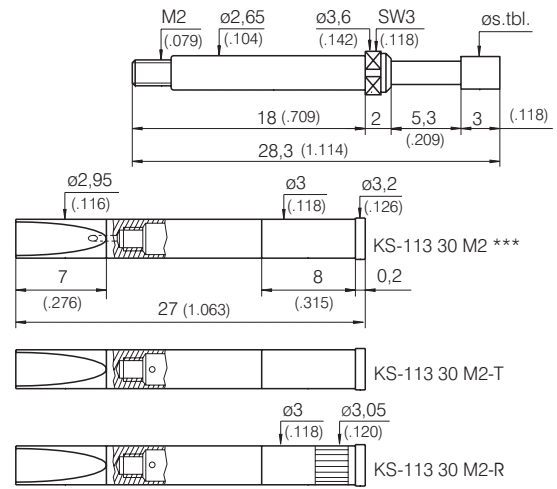
Screw-in Test Probe
 Installation Height: 10,5 mm (.413)
 Recommended Stroke: 4,0 mm (.157)

Available Tip Styles

Material	Tip Style	Standard Plating	Special Versions	
			Ø	(Ø inch)
2	01 	R		
3	02 	A	0,80	(.031)
			1,00	(.039)
			1,80	(.071)
			3,00	(.118)
			4,00	(.157)
3	03 	A	3,00	(.118)
			4,00 R	(.157)
2	04 	R	1,80 A	(.071)
			3,00	(.118)
3	05 	A	0,80	(.031)
			1,40	(.055)
			3,00 R	(.118)
3	55 	R		
			Tip Length 4 mm (.157) Ø 3,00 (.118)	
3	06 	R	3,00 A	(.118)
			3,50	(.138)
			4,00 A	(.157)
			6,00	(.236)
			8,00	(.315)
2	07 	A	4,20 R	(.165)
3	12 	A		
3	13 	R		
2	14 	R		
2	15 * 	A		
	2,5 mm (.098) longer			
2	17 	R	1,80	(.071)
			3,00 A	(.118)
3	72 	A		
2	87 	N	4,00	(.157)

* pressed-in Steel Tip in Base Plunger made of Brass

Mounting and Functional Dimensions



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

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: 0,3 N (1.1oz) ; 0,6 N (.2.2oz);
 1 N (3.6oz); 2,25 N (8.1oz);
 3 N (10.8oz); 5 N (18.1oz)

Collar Height and Installation Height

The Installation Height of the Tip is always 10,5 mm (.413).
 The Test Probe can only be used with a Receptacle.

Electrical Data

Current Rating: 5-8 A
 R_i typical: ≤ 30 mΩ (** >100 mΩ)

Operating Temperature

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

Mounting Hole Size for KS - 113 30 M2 und KS - 113 30 M2 - T
 in CEM 1 and FR 4: Ø 2,99 mm (.1177)

Mounting Hole Size for KS - 113 30 M2-R
 in CEM 1 and FR 4: Ø 3,00 - 3,02 mm (.1181 - .1189)

Materials

Plunger: Steel or BeCu, gold-plated, rhodium- or chemically nickel-plated
 Barrel: Brass, gold-plated
 Spring: Steel, gold-plated resp. stainless Steel** (MC)
 Receptacles: Brass, gold-plated

Note to GKS - 113 M and KS - 113 ... M

Probes are screwed into KS-113...M using tools > see Page 103.
 Recommended Screw-in Torque: Maximum 20 Ncm

Ordering Example:

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold N = Nickel R = Rhodium	Spring Force (dN)	Collar Height (mm)	Special Designation
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Test Probe:

G K S 1 1 3 3 0 6 2 3 0 R 1 5 0 2 M

Receptacles for GKS-113 ... M:

KS - 113 30 M2 - R KS - 113 30 M2 - T

Receptacles for Leakage Test ***:

KS - 113 30 M2

All specifications are subject to change without prior notification