

GKS 050 M

Screw-in Test Probe

Grid:

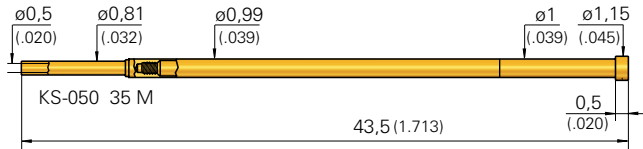
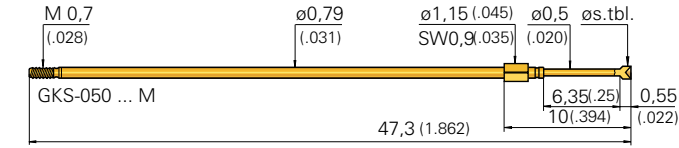
≥ 1,27 mm

≥ 50 Mil

Installation Height: 10,5 / 12,5 mm (.413 - .492)

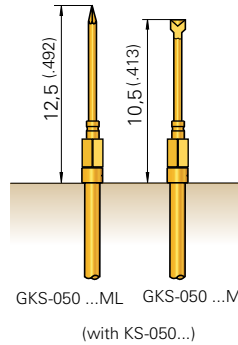
Recommended Stroke: 4,3 mm (.169)

Mounting and Functional Dimensions



Collar Height and Installation Height

The Installation Height of the Tip (measured with the Receptacle) is determined by the Collar Height of the Receptacle.



Collar Height	Installation Height
03 M	10,5 mm (.413)
03 ML	12,5 mm (.492)

Mechanical Data

Working Stroke: 4,3 mm (.169)

Maximum Stroke: 6,35 mm (.250)

Spring force at Work. Stroke: 1,5 N (5.4oz)

alternative: 1,0 N (3.6oz); 2,0 N (7.2oz)

Electrical Data

Current Rating: 2 - 3 A

R_j typical: < 20 mΩ (** < 100 mΩ)

Operating Temperature

Standard: -40° up to +80° C

****with Spec. Designation "MC":** -100° up to +200°C (2,0 N)

Materials

Plunger: BeCu or Steel, gold-plated

Barrel: Brass, gold-plated

Spring: Steel, gold-plated

or Stainless Steel** (MC)

Receptacle: Brass, gold-plated

Mounting Hole Size

in CEM 1: ø1,00 - 1,02 mm (.0394-.0401)

in FR 4: ø1,01 - 1,03 mm (.0398-.0405)

Note:

The Receptacle KS-050 ... M is available pre-wired with 1 m Wire AWG 30 (see Ordering Example).

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
NEW 2	01	A	∅ 0,50 (.020)	
NEW 3	02	A	∅ 0,60 (.023)	
3	03	A	∅ 0,50 (.020)	0,90 (.035)
3	05	A	∅ 0,50 (.020)	
3	06	A	∅ 0,90 (.035)	
NEW 3	07	A	∅ 0,50 (.020)	0,90 (.035)
2	14	A	∅ 0,50 (.020)	
2	22*	A	∅ 0,40 (.020)	
2	31	A	∅ 0,50 (.020)	
2	38	A	∅ 0,50 (.020)	
2	77	A	∅ 0,50 (.020)	
2	91	A	∅ 0,50 (.020)	
2	97	A	∅ 0,50 (.020)	

* conical down to ∅ 0,50 mm

Available Tip Styles

Special Version GKS-050 ... ML

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
2	91	A	∅ 0,50 (.020)	

Total Length 49,3 mm (1.941), Special Designation „ML“

Note:

GKS-050 ... M will be screwed into KS-050 ... M using special tools, see Page 170/171.

Recommended Screw-in Torque:
Min.: 0,5 Ncm / Max.: 1 Ncm

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation „MC“
G K S	2 = Steel 3 = BeCu	0 5 0	2 9 1	0 5 0	A	1 5 0 3	M
Test Probe with Total Length 47,3 mm (1.862):							
Receptacles:							
KS - 0 5 0 3 5 M KS - 0 5 0 3 5 M - V - 30							
Insertion Tool for KS-050 ... M:							
S W - K S - 0 8 0							