

# GKS 050 M

Screw-in Test Probe

## Grid:

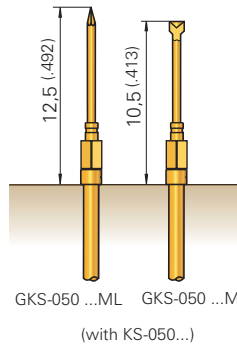
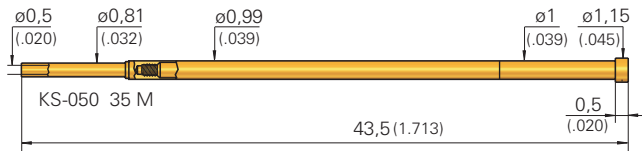
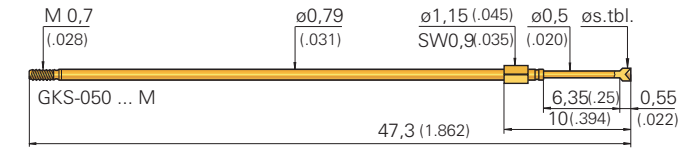
≥ 1,27 mm

≥ 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<sub>i</sub> typical:** < 20 mΩ (\*\* > 100 mΩ)

### 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)

### Operating Temperature

**Standard:** -40° up to +80° C

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

## Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3	03	A	0,90	(.035)
3	05	A		
3	06	A		
3	07	A	0,90	(.035)
2	14	A		
2	22	A		
2	31	A		
2	38	A		
2	77	A		
2	91	A		
2	97	A		

\* conical down to ø 0,50 mm

## Available Tip Styles

Special Version GKS-050 ... ML

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
2	91	A		

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

### Note:

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

## Ordering Example

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)	Special Designation „MC“
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Test Probe with Total Length 47,3 mm (1.862):

G K S 0 5 0 2 9 1 0 5 0 A 1 5 0 3 M

Receptacles:

K S - 0 5 0 3 5 M K S - 0 5 0 3 5 M - V - 3 0

Insertion Tool for KS-050 ... M:

S W - K S - 0 8 0