

# SKS 465 SF

Screw-in Switching Probe

NEW

Grid:

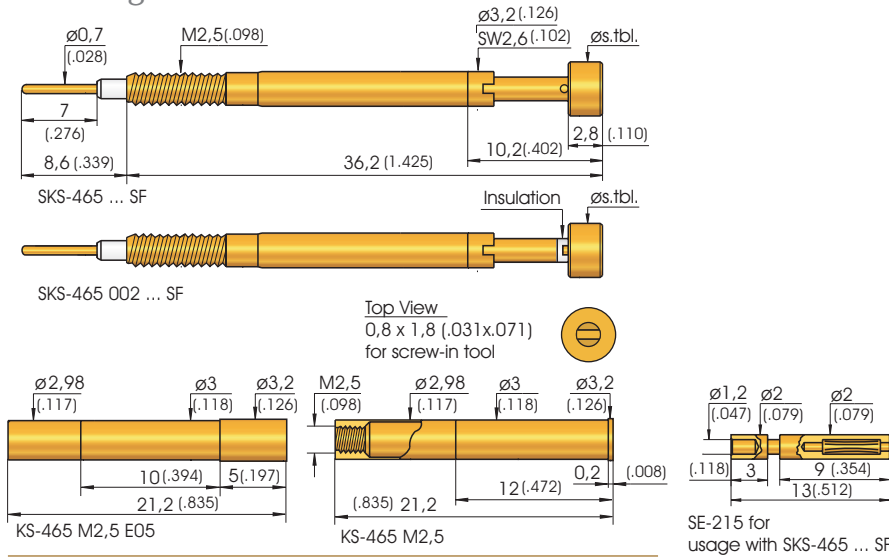
≥ 3,50 mm

≥ 140 Mil

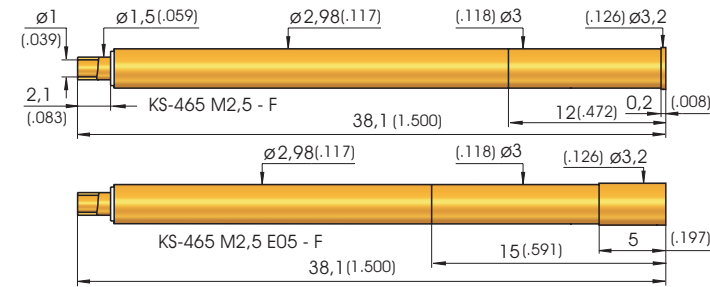
Installation Height: 10,5 - 26,5 mm (.413 - 1.043)

Switching Path: 1,7 mm (.067)

## Mounting and Functional Dimensions



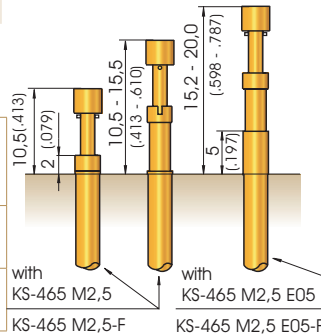
## Quick-exchange System



## Collar Height and Installation Height

Crimps in the Receptacle prevent the Test Probe from rotating. Different Installation Heights can be variably achieved with different Receptacles.

Designation of the Receptacle	Install. Heights with Tips 02 or 002	Install. Height with Tips 52
KS-465 M2,5 (-F)	10,5 - 15,5 mm (.413 - .610)	17,0 - 22,0 mm (.669 - .866)
KS-465 M2,5 E05 (-F)	15,2 - 20,0 mm (.598 - .787)	21,7 - 26,5 mm (.854 - 1.043)



## Available Tip Styles

Material	Tip Style for SKS-465 302 / 352 ... S	Plating	Further Versions	
			∅	∅ (inch)
3 02		A	∅ 3,00 (.118)	3,50 (.138) 4,00 (.157)
3 02		A	∅ 4,50 (.177)	5,00 (.197) 5,50 (.217) 5,90 (.232)
3 52*		A	∅ 3,00 (.118)	3,50 (.138)

\* 6,5 mm (.256) longer

## Available Tip Styles

Material	Tip Style for SKS-465 002 ... S with insulated Tip	Plating	Further Versions	
			∅	∅ (inch)
0 02		A	∅ 3,00 (.118)	3,50 (.138) 4,00 (.157)
0 02		A	∅ 4,50 (.177)	5,00 (.197) 5,90 (.232)

## Mechanical Data

Switching Path: 1,7 mm (.067)

± 0,3 mm (.012)

Recomm. Work. Stroke: 4,2 mm (.165)

Maximum Stroke: 4,5 mm (.177)

Force at Switching Point: 0,7 N (2.5oz); 1,8 N (6.5oz); 4,5 N (15oz)

Force at Work. Stroke: 2,0 N (7.2oz); 3,5 N (12.7oz); 9,0 N (32.5oz)

## Materials

Plunger: BeCu or Brass, gold-plated

Barrel: Brass, gold-plated

Spring: Steel, gold-plated or Stainless Steel

Receptacle: Brass, gold-plated

Insulation: Teflon (at Tip „002“: Peek)

## Mounting Hole Size

in CEM 1 and FR 4: ∅ 2,98 - 2,99 mm (.1173 - .1177)

## Electrical Data

Current Rating: 3 A

(see Page 77)

## Quick-exchange Receptacles:

Receptacles with end designation „-F“ are quick-exchange Receptacles. The two wires are soldered to the outside wall of the Receptacle and the central Terminal point. This is done after assembling the Receptacle in the Mounting Hole. The Switching Probe can now be inserted or changed without any further soldering work.

## Note:

The Test Probes of the Series SKS-465 ... SF using special tools (see Page 170/171)

Recommended Screw-in Torque: Min.: 3 Ncm / Max.: 5 Ncm

## Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Type
SKS	0 = Peek 3 = BeCu	465	302	A = Gold	20	02	SF
KS-465 M2,5 (-F)		KS-465 M2,5 E05 (-F)					
SE-215							

Test Probe:

Receptacles:

Lamellar Plug: