

SKS 215 M

Screw-in Switching Probe

Grid:

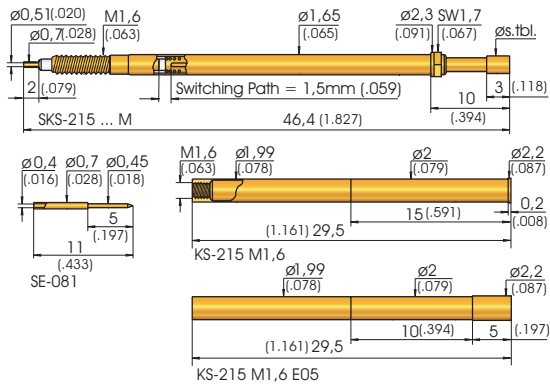
≥ 2,54 mm

≥ 100 Mil

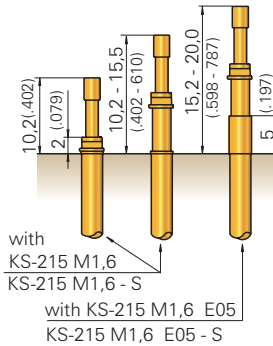
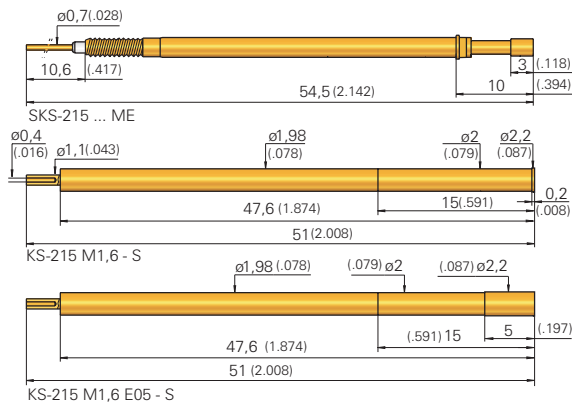
Installation Height: 10,2 - 20,0 mm (.402 - .787)

Switching Path: 1,5 mm (.059)

Mounting and Functional Dimensions



Quick-exchange System



Mechanical Data

Switching Path: 1,5 mm (.059)
± 0,2 mm (.008)

Maximum Stroke: 5,0 mm (.197)

Spring Force (dN)	Spring Force at Switching Point	Spring Force at 80% Stroke
08	0,23 N (0.8oz)	0,8 N (2.9oz)
15	0,45 N (1.6oz)	1,5 N (5.4oz)
30	0,9 N (3.2oz)	3,0 N (10.8oz)

Materials

Plunger: BeCu, gold- or nickel-plated (or gold-plated with Insulator Cap)

Barrel: Brass, gold-plated

Spring: Steel, gold-plated

Receptacle: Brass, gold-plated

Mounting Hole Size

in CEM 1 and FR 4: ϕ 1,99 mm (.0783)

Electrical Data

Current Rating: 3 A (see Page 77)

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			ϕ	ϕ (inch)
0 02		A		
3 02		A	1,00	(.039)
3 03		A		
3 05		A		
3 06		N		

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	Install. Heights
KS-215 M1,6 (-S)	10,2 - 15,5 mm (.402 - .610)
KS-215 M1,6 E05 (-S)	15,2 - 20,0 mm (.598 - .787)

Quick-exchange Receptacles:

Receptacles with end designation „-S“ 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:

SKS-215 ... M will be screwed into KS-215 ... M 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 (alternative ME)
SKS	0 = Delrin 3 = BeCu	215	302	A = Gold N = Nickel	30	02	M
Test Probe:	SKS 215 302 180 A 30 02 M						
Receptacles:	KS - 215 M1,6 (-S) KS - 215 M1,6 E05 (-S)						
Plug:	SE - 081						