

SKS 100

Switching Probe

Grid:

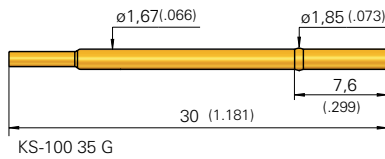
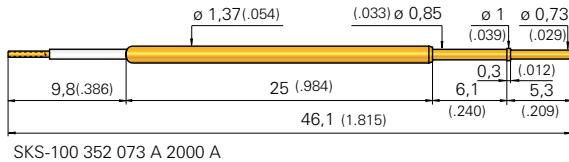
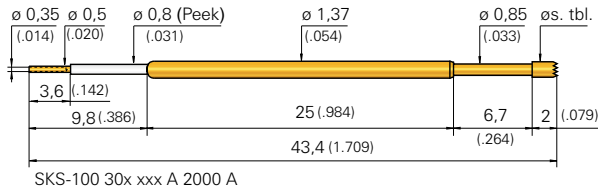
≥ 2,54 mm

≥ 100 Mil

Installation Height: 16,4 / 19.1 mm (.646/ .752)

Switching Path: 4,0 mm (.157)

Mounting and Functional Dimensions



Collar Height and Installation Height

To adjust the Installation Height Receptacles with a Press-ring are used. The Receptacles can be inserted up to the Press-ring or with the Press-ring pressed into the mounting hole.

Tip Style	Installation Height with KS (inch)	Maximum Stroke (inch)
02	16,4 mm (.646) / var.	6,3 mm (.248)
06		
52	19,1 mm (.752) / var.	6,0 mm (.236)

Mechanical Data

Switching Path: 4,0 mm (.157) ± 0,2 (.008)

Recomm. Working Stroke: 5,0 mm (.197)

Maximum Stroke: 6,0 mm (.236)
resp. 6,3 mm (.248)

Spring Force at Switch. Point: 1,0 N (3.6oz)

Spring Force at Work. Stroke: 2,0 N (7.2oz)

Electrical Data

Current Rating: 3 A
(see page 77)

Materials

Plunger: BeCu, gold-plated
Barrel: Bronze, gold-plated
Spring: Steel, gold-plated
Receptacle: Nickel-silver, gold-plated
Contact Terminal: Brass, gold-plated
Insulator: Peek

Mounting Hole Size

when pressing the Pressring into the Mounting hole

in CEM 1 and FR 4: ∅ 1,70 - 1,75 mm (.0669 - .0689)

Press-ring as a Collar-stop

in CEM 1: ∅ 1,68 - 1,69 mm (.0661-.0665)

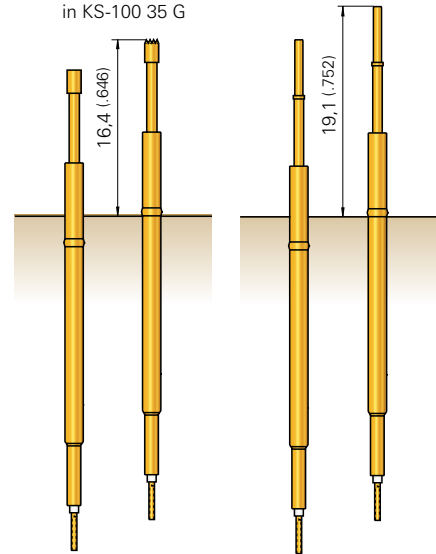
in FR 4: ∅ 1,69 - 1,70 mm (.0665-.0669)

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
0 02		A		
3 02		A		
3 06		A		
3 52		A		

SKS-100 X02 100 ...
SKS-100 306 100 ...
in KS-100 35 G

SKS-100 352 073 ...
in KS-100 35 G



Application Areas:

- combined component test with presence check
- active switching element

Warning:

Do not solder the cable to the crimp points of the Receptacle.

Tools:

Insertion and Extraction Tools for SKS and KS see Page 118.

Ordering Example

Series	Tip Material 0 = Delrin 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force at Working Stroke (dN)	Collar Height (mm)	Type
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Test Probe:

SKS 100 3 06 100 A 20 00 A

Receptacle:

KS-100 35 G