

SKS 415

Switching Probe

Grid:

≥ 3,50 mm

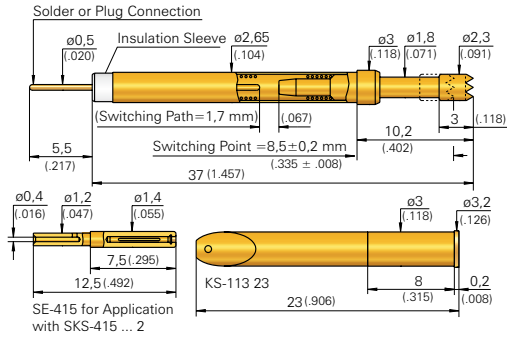
≥ 140 Mil

Installation Height: 10,2 - 24,7 mm (.402 - .972)

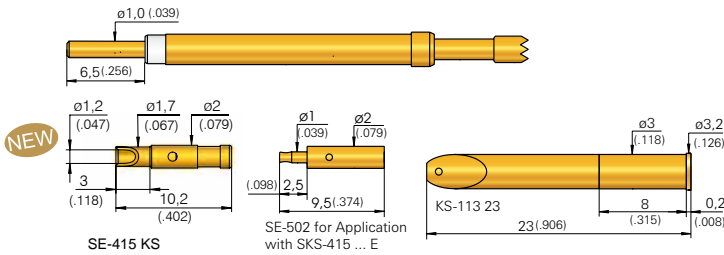
Switching Path: 1,7 mm (.067)

Mounting and Functional Dimensions

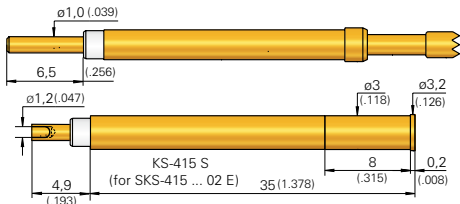
SKS-415 ... 2



SKS-415 ... E



Quick-exchange System with SKS-415 ... 02 E



Collar Height	Installation Height (without KS) with Tip Style 02/03/06	Installation Height (without KS) with Tip Style 53/56
02	10,2 mm (.402)	16,7 mm (.657)
05**	13,2 mm (.520)	19,7 mm (.776)
10**	18,2 mm (.717)	24,7 mm (.972)

** not usable with KS-415 S

Mechanical Data

Switching Path: 1,7 mm (.067) ± 0,2 (.008)
Maximum Stroke: 5,2 mm (.205)
Spring Force at Switch.Point: 0,7 N (2.5oz)
Spring Force 80% Stroke: 2,3 N (8.3oz)

Materials

Plunger: BeCu, gold-plated (or gold-plated with Insulator Cap)
Barrel: Brass, gold-plated
Spring: Steel, gold-plated
Receptacle: Brass, gold-plated

Electrical Data

Current Rating: 5 A (see page 77)

Mounting Hole Size

with Receptacle: ∅ 2,98 - 2,99 mm (.1173 - .1177)
without Receptacle: ∅ 2,65 mm (.1043)

Ordering Example

	Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force at 80% Stroke (dN)	Collar Height (mm)	Type (alternative E)
Test Probe:	SKS	415	306	230	A	23	02	2
Receptacle:	KS-113 23	KS-415 S						
Lamellar Plugs:	SE-415	SE-502	SE-415 KS					

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
0 02		A	5,00 2,30	(.197) (.091)
3 02		A		
3 02		A		
3 03		A		
3 06		A		
3 06		A		
3 06		A	4,00	(.157)
3 19		A		
3 53*		A		
3 56*		A		
3 56*		A		
3 56*		A		

* Tip Length 9,5 mm (.374)

Collar Height and Installation Height

To adjust the Installation Height (Dimension without KS) Test Probes with different Collar Heights are available.

Note:

The Receptacle can be used from Grid 4,50 mm (177 Mil) up.

Screw-in Version:

see SKS-465 MF and SKS-465 SF on Page 149/150.
 The Receptacle KS-415 S enables easy changing of the Switching Probe SKS-415 ... 02 E without removing the wiring connection.

Tools:

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

