

# SKS 415

Switching Probe

**Grid:**

≥ 3,50 mm

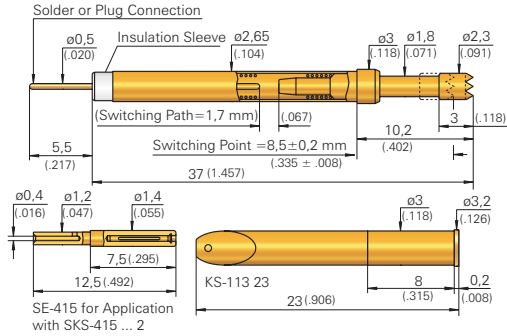
≥ 140 Mil

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

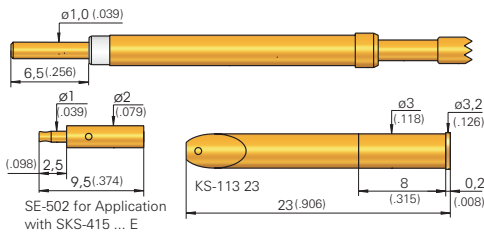
**Switching Path:** 1,7 mm (.067)

## Mounting and Functional Dimensions

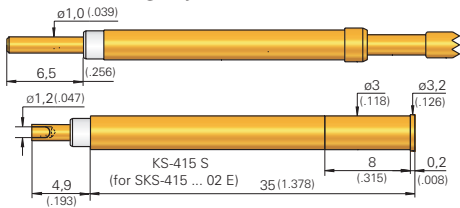
### SKS-415 ... 2



### 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:** ø 2,98 - 2,99 mm (.1173 - .1177)

**without Receptacle:** ø 2,65 mm (.1043)

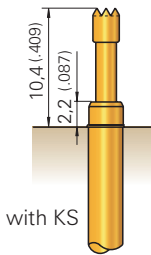
## Available Tip Styles

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

## Ordering Example

	Series	Tip Material 0 = Delrin 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Collar Height (mm)	Type (alternative E)
Test Probe:	SKS	4	15	3	06	230	A	23
Receptacle:	KS-11323	KS-415S						
Lamellar Plugs:	SE-415	SE-502						