

**Grid:**  
 ≥ 2,54 mm  
 ≥ 100 Mil

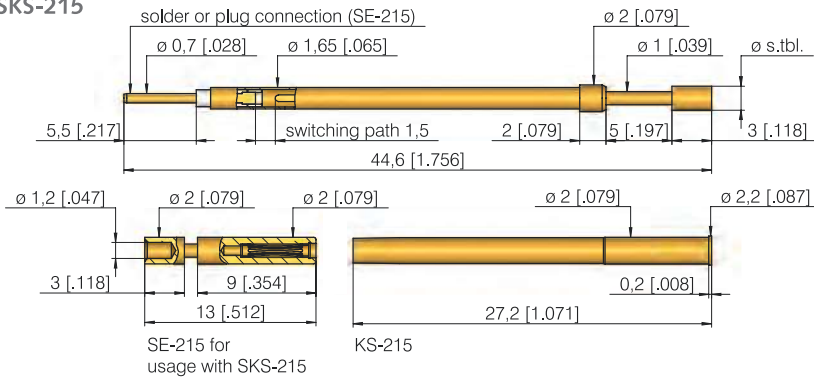
**Installation height with KS: 10,2 mm (.402)**  
**Switch path: 1,5 mm (.059)**

# SKS 215

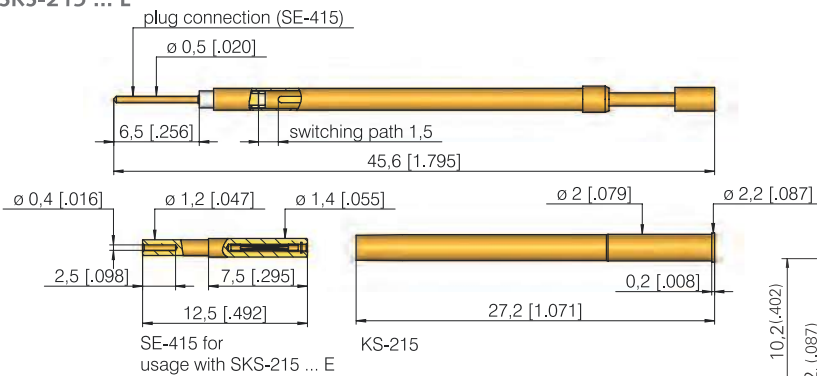
Switching Probe  
 Closing version (NO)

## Mounting and functional dimensions

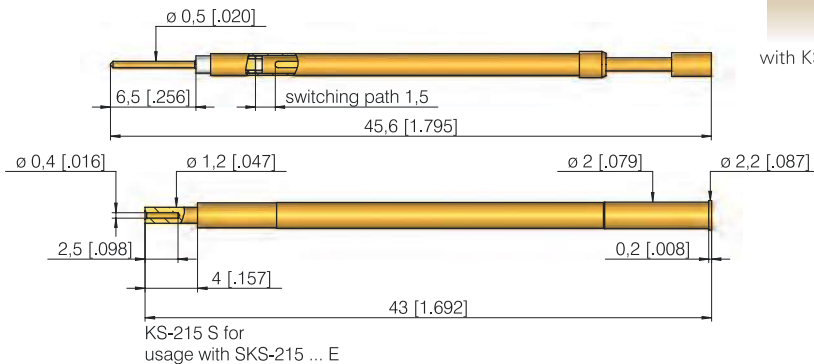
### SKS-215



### SKS-215 ... E



### Quick-exchange system with SKS-215 ... E



## Available tip styles

Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
0 02		A		
3 02		A	1,00	(.039)
3 03		A		
3 05		A	0,80	(.031)
3 05		A		
3 06		N	1,50 2,00 2,30	(.059) (.079) (.091)
3 19		A		

NEW  
NEW  
NEW

### Collar height and installation height

The installation height of the tip (dimension without KS) is determined by the collar height.

Collar height	Installation height without receptacle
02	10,0 mm (.394)

### Warning:

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

The KS-215 S receptacle enables easy exchange of switching probes without removing the wiring connection. This receptacle can only be used with SKS-215 ... E.

### Note:

Screw-in version see SKS-215 M shown on page 109.

### Mechanical data

**Switch path:** 1,5 mm (.059) ± 0,2 (.008)  
**Recomm. working stroke:** 4,0 mm (.157)  
**Maximum stroke:** 5,0 mm (.197)  
**Spring force:** 0,8 / 1,5 / 3,0 N  
**Spring force at switch point:** 0,23N (0.8oz);  
 0,45 N (1.6oz); 0,9 N (3.2oz)  
**Spring force at work. stroke:** 0,8 N (2.9oz);  
 1,5 N (5.4oz); 3,0 N (10.8oz)

### Materials

**Plunger:** BeCu, gold- or nickel-plated  
 (or gold-plated with)  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated  
**Receptacle:** Brass, gold-plated  
**Contact terminal:** Brass, gold-plated

### Mounting hole size

**with receptacle:**  
**in CEM1:** ∅ 1,98 - 2,00 mm  
 (.078 - .079)  
**in FR4:** ∅ 1,99 - 2,01 mm  
 (.078 - .079)  
**without receptacle:** ∅ 1,65 mm (.065)

### Electrical data

**Current rating:** 3 A  
 (see page 100)

### Operating temperature

**Standard:** -40° up to +80° C

## Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force at working stroke (dN)	Collar height (mm)	Type (alternative E)
0 = Delrin 3 = BeCu				A = Gold N = Nickel			

Test probe:

S K S 2 1 5 3 0 2 1 8 0 A 3 0 0 2

Receptacle:

K S - 2 1 5 K S - 2 1 5 S

Lamellar plug:

S E - 2 1 5 S E - 4 1 5

All specifications are subject to change without prior notification