

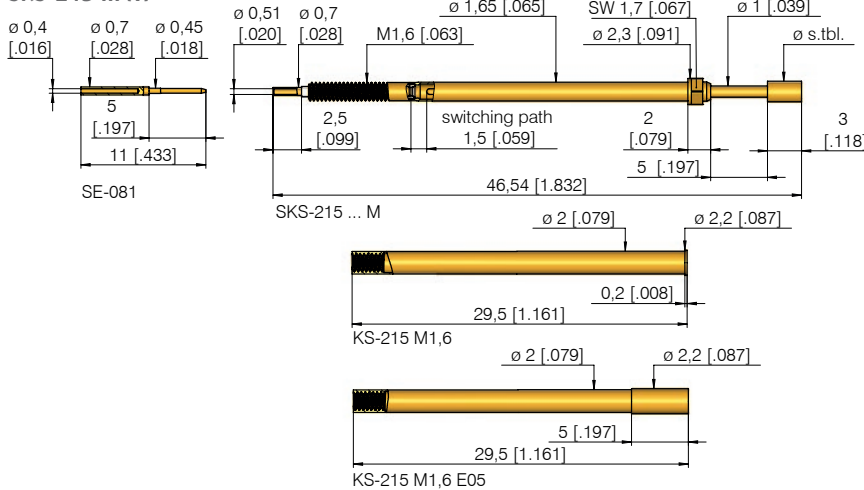
SKS 215 M / 215 MF

Screw-in Switching Probe
Closing version (NO)

Grid:
≥ 2,54 mm
≥ 100 Mil

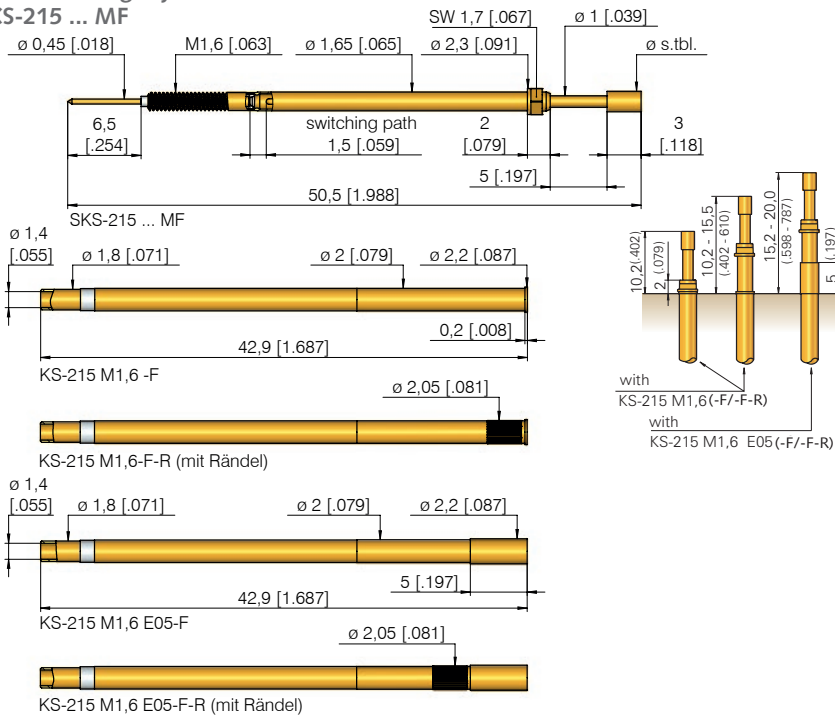
Installation height with KS: 10,2 - 20,0 mm (.402 - .787)
Switch path: 1,5 mm (.059)

SKS-215 ... M



Quick-exchange system

SKS-215 ... MF



Mechanical data

Switch path: 1,5 mm (.059)
± 0,2 mm (.008)
Working stroke: 4,0 mm (.160)
Maximum stroke: 5,0 mm (.197)
Force at switching point: 0,23 N (.8 oz);
0,45 N (1.6 oz); 0,9 N (3.2 oz)
Force at working stroke: 0,80 N (2.9 oz);
1,50 N (5.4 oz); 3,0 N (10.7 oz)

Electrical data

Current rating: 3 A
(see page 100)

Operating temperature

Standard: -40° up to +80° C

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

KS without knurl
in CEM1: \varnothing 1,97 - 1,99 mm (.0776 - .0783)
in FR4: \varnothing 1,98 - 2,00 mm (.0780 - .0787)
KS with knurl
in CEM1 and FR4:
 \varnothing 2,00 - 2,02 mm (.0787 - .0795)

Available tip styles

Material	Tip style	Plating	Further versions	
			\varnothing	\varnothing (inch)
0 02		A		
3 02		A	1,00	(.039)
3 03		A		
3 05		A	0,80	(.030)
3 05		A		
3 06		N	1,50 2,00 2,30	(.059) (.079) (.091)
3 19		A		

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 (-F/-F-R)	10,2 - 15,5 mm (.402 - .610)
KS-215 M1,6 E05 (-F/-F-R)	15,2 - 20,0 mm (.598 - .787)

Note:

SKS-215 ... M is screwed into KS-215 ... M using specialised tools (shown on page 196).
Recommended screw-in torque:
Min.: 3 cNm / Max.: 5 cNm

Quick-exchange receptacles:

Receptacles with end designation "-F" are quick-exchange receptacles. The two wires are soldered to the outside surface of the receptacle and the central terminal point after assembling the receptacle in the mounting hole. The switching probe can now be inserted or changed without any further soldering work.

The quick-exchange system "F" is not compatible with the previous version "S", which is still available upon request.

Ordering example

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

Test probe:

SKS 215 3 02 180 A 30 02 M

Receptacles:

KS-215 M1,6 (-F/-F-R) KS-215 M1,6 E05 (-F/-F-R)

Plug:

SE-081

All specifications are subject to change without prior notification