

NEW

SKS 465 MF

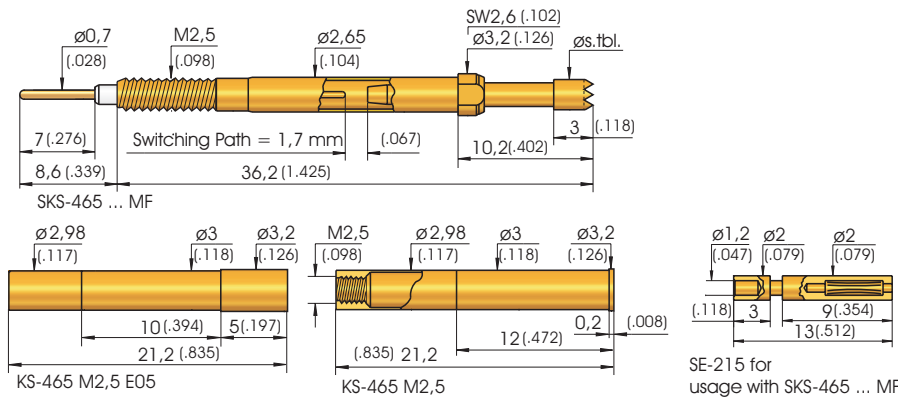
Screw-in Switching Probe

Grid:  
≥ 3,50 mm  
≥ 140 Mil

Installation Height: 10,5 - 26,5 mm (.413 - 1.043)

Switching Path: 1,7 mm (.067)

Mounting and Functional Dimensions

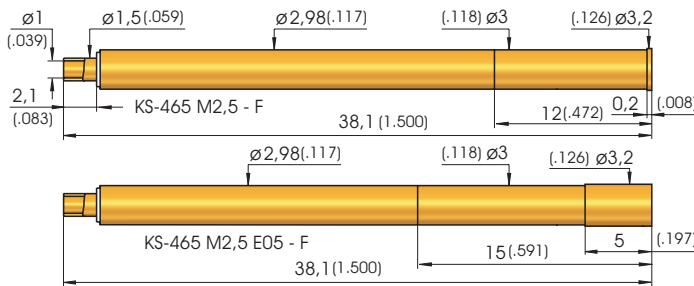


Available Tip Styles

| Material | Tip Style | Plating | Further Versions |                      |
|----------|-----------|---------|------------------|----------------------|
|          |           |         | $\varnothing$    | $\varnothing$ (inch) |
| 0 02     |           | A       | 5,00<br>2,30     | (.197)<br>(.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)

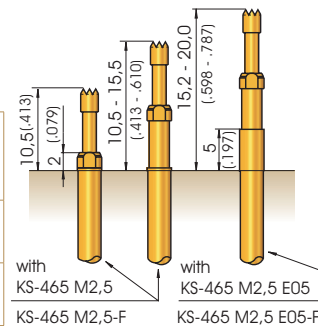
Quick-exchange System



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 of the Receptacle | Install. Heights with Tips 02/03/06 | Install. Height with Tips 53/56 |
|-------------------------------|-------------------------------------|---------------------------------|
| KS-465 M2,5 (-F)              | 10,5 - 15,5 mm (.413 - .610)        | 17,0 - 22,0 mm (.669 - .866)    |
| KS-465 M2,5 E05 (-F)          | 15,2 - 20,0 mm (.598 - .787)        | 21,7 - 26,5 mm (.854 - 1.043)   |



Quick-exchange Receptacles:

Receptacles with end designation „-F“ are quick-exchange Receptacles. The two wires are soldered to the outside wall of the Receptacle and the central Terminal point. This is done after assembling the Receptacle in the Mounting Hole. The Switching Probe can now be inserted or changed without any further soldering work.

Mechanical Data

Switching Path: 1,7 mm (.067) ± 0,3 mm (.012)  
 Recomm. Work. Stroke: 4,2 mm (.165)  
 Maximum Stroke: 5,2 mm (.205)  
 Force at Switching Point: 0,7 N (2.5oz); 1,8 N (6.5oz); 4,5 N (15oz)  
 Force at Work. Stroke: 2,0 N (7.2oz); 3,5 N (12.7oz); 9,0 N (32.5oz)

Materials

Plunger: BeCu, gold-plated with or without Insulator Cap  
 Barrel: Brass, gold-plated  
 Spring: Stainless Steel  
 Receptacle: Brass, gold-plated  
 Insulation: Teflon

Note:

Probes with Tip Diameter ≤ 3,0 are screwed into KS-465...M using tools, see Page 170/171. Test Probes SKS-465 ... MF with Tip Diameter > 3,0 mm using special tools (special tools on request).

Recommended Screw-in Torque: Min.: 3 Ncm / Max.: 5 Ncm

Electrical Data

Current Rating: 3 A (see Page 77)

Mounting Hole Size

in CEM 1 and FR 4:  $\varnothing 2,98 - 2,99$  mm (.1173 - .1177)

Ordering Example

| Series         | Tip Material           | Tip Style | Tip Diameter (1/100 mm) | Plating  | Spring Force (dN) | Collar Height (mm) | Type                                      |
|----------------|------------------------|-----------|-------------------------|----------|-------------------|--------------------|---|
| SKS            | 0 = Delrin<br>3 = BeCu |           |                         | A = Gold |                   |                    |   |
| Test Probe:    |                        |           |                         |          |                   |                    | SKS 465 3 06 230 A 20 02 MF               |
| Receptacles:   |                        |           |                         |          |                   |                    | KS - 465 M2,5 (-F) KS - 465 M2,5 E05 (-F) |
| Lamellar Plug: |                        |           |                         |          |                   |                    | SE - 215                                  |