

# Switch Probe for Presence Testing

# F885

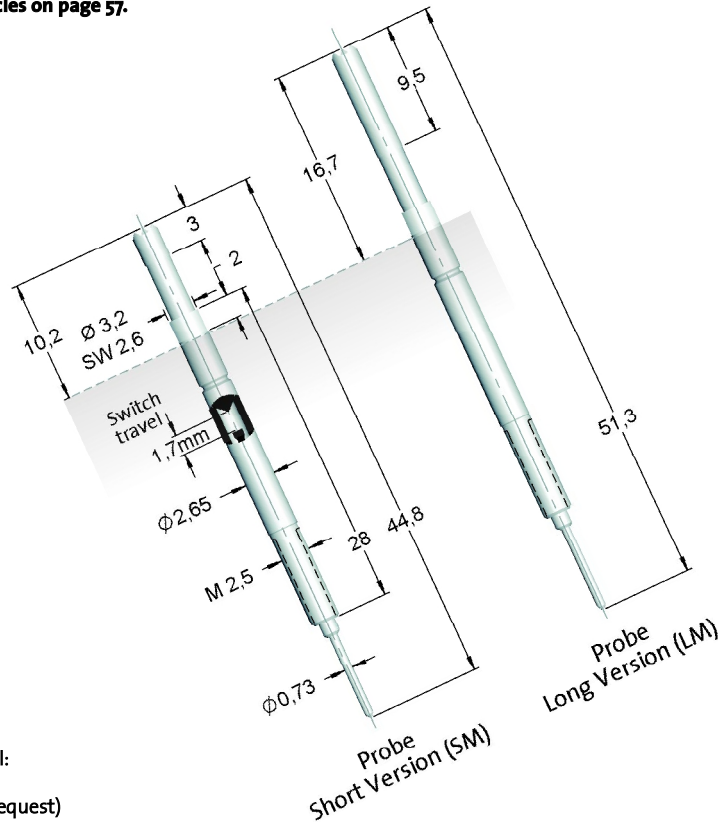


**Centers 3,50 mm/138 mil**

	Switch Travel	Temperature
Standard	1,7 mm	-20°...+80° C

The F885 is screwed into the receptacle in order to prevent ejection and to allow variable projection heights. Order number for insertion tool: FWZ885 and for larger tip diameters FWZ885L. Tip styles with larger diameters are available in the type F886.

You can find suitable receptacles on page 57.



### Mechanical Specifications

- Switch Travel: 1,7 ±0,2 mm
- Working Travel: 4,0 mm
- Full Travel: 5,0 mm
- Preload: 80 cN
- Spring Force at Working Travel: 350 cN ±20%
- 200 cN, 900 cN ±20% (On Request)
- Mechanical Life: 1,5 mill. cycles
- 100 tsd. cycles (900 cN)
- Pointing Accuracy: ±0,08 mm

### Electrical Specifications

- Constant Current: 1,0 A
- Typical Probe Resistance: 50 mOhm

### Materials and Finishes

- Plunger: see Tip Style
- Barrel: Brass, Gold plated
- Spring: Music Wire, Silver plated
- Receptacle: Brass, Gold plated

### Order Example

**F885**   **03B**   **080**   **G**   **350**   **SM**

Type   Tip Diameter   Spring Force   Tip Style   Material   Plunger Finish   Length (optional)

**Material:** B = BeCu, K = Synthetic Material  
**Tip Diameter:** 0,8 mm = 080  
**Plunger Finish:** G = Gold plated, U = Unplated  
**Length:** SM = Short Version, LM = Long Version  
**Receptacle:** Order Number see drawing page 57

### Projection Height

	H885/H885RD/H885KB3	H885IS	H885/5
Short Version	10,2 - 15,7 mm	10,4 - 15,9 mm	15,0 - 20,5 mm
Long Version	16,7 - 22,2 mm	16,9 - 22,4 mm	21,5 - 27,0 mm

### Plunger Tip Style, Material, Finish and Tip Diameter

<b>03 BeCu; G</b> Short Version Length 5,0 mm	<b>05 BeCu; G</b> Short Version Length 3,0 mm	<b>05 BeCu; G</b> Long Version Length 9,5 mm	<b>06 BeCu; G</b> Short Version Length 3,0 mm	<b>06 BeCu; G</b> Long Version Length 9,5 mm
Ø 0,8 mm	Ø 2,3 mm	Ø 3,0 mm	Ø 1,0; 1,3; 2,3 mm	Ø 1,0; 1,8; 2,3 mm
<b>16 BeCu; G</b> Short Version Length 3,0 mm	<b>17 BeCu; G</b> Short Version Length 3,0 mm	<b>17 Synthetic; U</b> Short Version Length 3,0 mm		
Ø 1,0; 1,4; 1,8 mm	Ø 2,3 mm	Ø 2,3 mm		

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