

Switch Probe for Presence Testing

F885

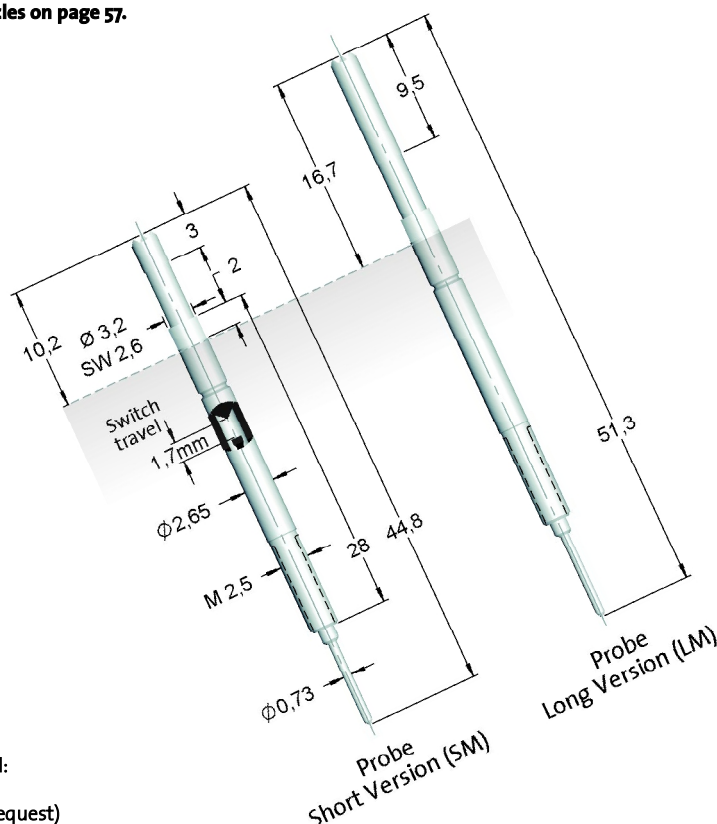


Centers 3,50 mm/138 mil

	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

Type	Tip Diameter	Spring Force
F885	03B 080	G 350
Tip Style	Material	Plunger Finish
SM		
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

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