

Switch Probes



Standard Switch Probe 138 mil Closer (NO)

F885

Centers (mm/mil)	3,50 / 138
Current	10,0 A
Current (Switch)	1,0 A
Temperature	-20°C...+80°C
R typically	50 mOhm

Spring Force (cN ±20%)

Preload	Nominal Force
30	70
50	200
80	350
120	550
50	900
300	1250

Travel (mm)

Nominal	Maximum
4,0	5,0

Switch Travel (mm)	1,7 / 3,5
Thread (M)	2,5
Wrench Size	2,6
Pointing Accuracy	±0,08 mm

Materials and Plating

Plunger	see Tip Style
Barrel	Brass, gold plated
Spring	Music wire, silver plated
Receptable	Brass, Gold plated

Accessories

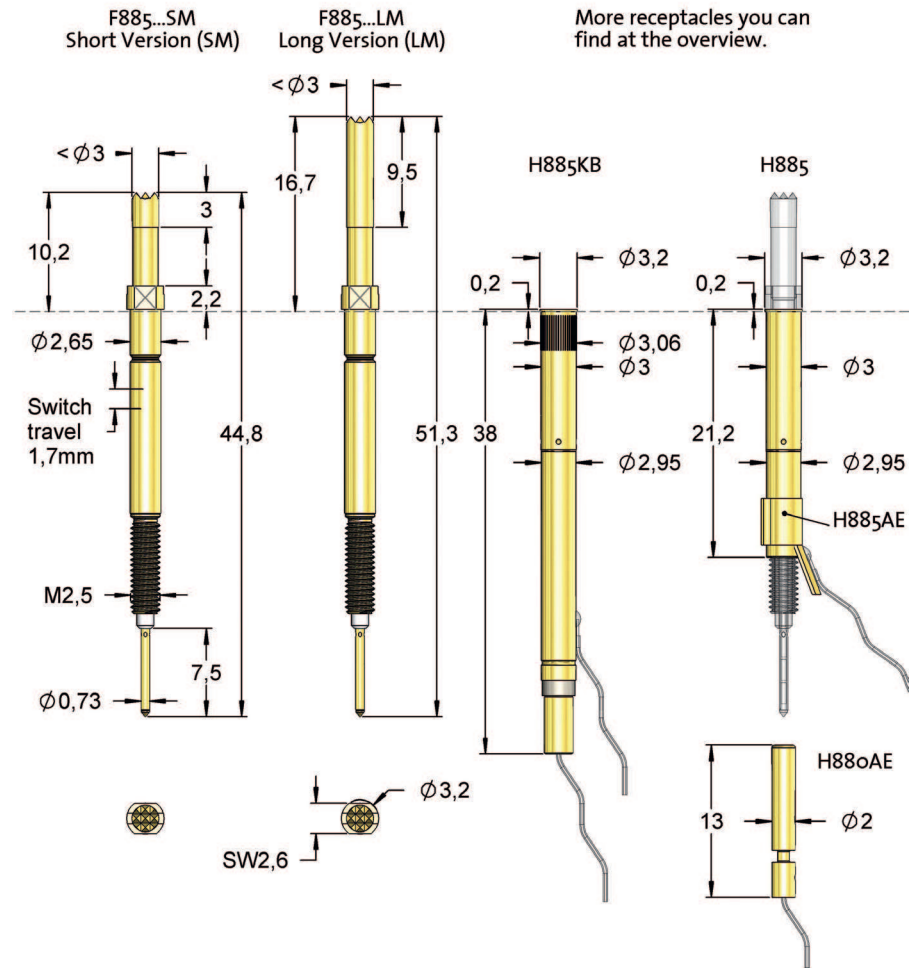
Insertion tool receptacle	FEWZ-774E0
Screw-in tool probe	FWZ885 (T) max. Ø2,5 mm
Screw-in tool probe	FWZ885S1 (T1) max. Ø3,1 mm

Drill Size [mm]

Receptacle without knurl	2,98 -2,99
Receptacle with knurl	3,00 -3,02

Type	Tip-Ø	Spring Force
F 885 06 B 230 G 1250 SM 35		
Tip Style	Material	Finish
Material:	B = BeCu, K = Synthetic	
Tip-Ø:	230 = 2,3 mm (e.g.)	
Finish:	G = Gold, U = unplated	
Special Version:	SM = Short Version, LM = Long Version	
Switch travel:	35 = 3,5 mm (deviating from standard)	
Receptacle:	Order Code according drawing	

ORDER EXAMPLE



More receptacles you can find at the overview.

M 1:1



Projection Height

(F885...SM) H885 / H885RD / H885KB	10,2
(F885...SM) H885/5 / H885KB/5	15,0
(F885...LM) H885 / H885RD / H885KB	16,7
(F885...LM) H885/5 / H885KB/5	21,5

Variants with a switch travel of 3,5 mm available on request.
At the spring force 1250 cN the max. travel is reduced to 4.2 mm.

Tip Style	Number	Material	Plating	Ø in mm	Version
	03	B	G	0,8	SM
	05	B	G	2,3; 3,0	SM
	05	B	G	2,3; 3,0	LM
	06	B	G	0,7; 1,0; 1,3; 1,8; 2,3	SM
	06	B	G	1,0; 1,4; 1,8; 2,3	LM
	06	B	G	1,3	S2
	06	B	G	1,4	LM
	16	B	G	1,0; 1,4; 1,8	SM
	16	B	G	1,0; 1,2	LM
	17	B	G	2,3	SM
	17	K	U	2,3	SM
	17	K	U	2,3	LM
	55	B	G	2,3	LM



Receptacles for Switch Probe Families F883, F885, F886 und F385

H885

Receptacle H885

This receptacle allows variable projection height:

F883: 10,2 – 15,7 mm F885/F886 ... SM 10,2 – 15,7 mm

F385: 17,0 – 22,5 mm F885/F886 ... LM: 16,7 – 22,2 mm

Material: Brass, Gold plated

Receptacle H885/5

The receptacle H885/5 has a 5mm collar for extended projection height:

F883: 15,2 – 20,2 mm F885/F886 ... SM: 15,2 – 20,2 mm

F385: 21,8 – 27,3 mm F885/F886 ... LM: 21,5 – 27,0 mm

Material: Brass, Gold plated

Receptacle H885RD

The receptacle H885RD has the same dimensions as H885, but with knurling for proper seat.

Possible projection heights:

F883: 10,2 – 15,7 mm F885/F886 ... SM 10,2 – 15,7 mm

F385: 17,0 – 22,5 mm F885/F886 ... LM: 16,7 – 22,2 mm

Material: Brass, Gold plated

Receptacle H885KB - for solderless exchange

By usage of the combi-receptacle H885KB the switch probes can be replaced solderless, saving time and cost for maintenance. Max. solder temperature 300°C.

F883: 10,2 – 15,7 mm F885/F886 ... SM 10,2 – 15,7 mm

F385: 17,0 – 22,5 mm F885/F886 ... LM: 16,7 – 22,2 mm

Material: Brass, Gold plated

Receptacle H885KB /5 - for solderless exchange

This receptacle has the same design like H885KB, but with a 5 mm collar for extended projection height.

F883: 15,2 – 20,2 mm F885/F886 ... SM: 15,2 – 20,2 mm

F385: 21,8 – 27,3 mm F885/F886 ... LM: 21,5 – 27,0 mm

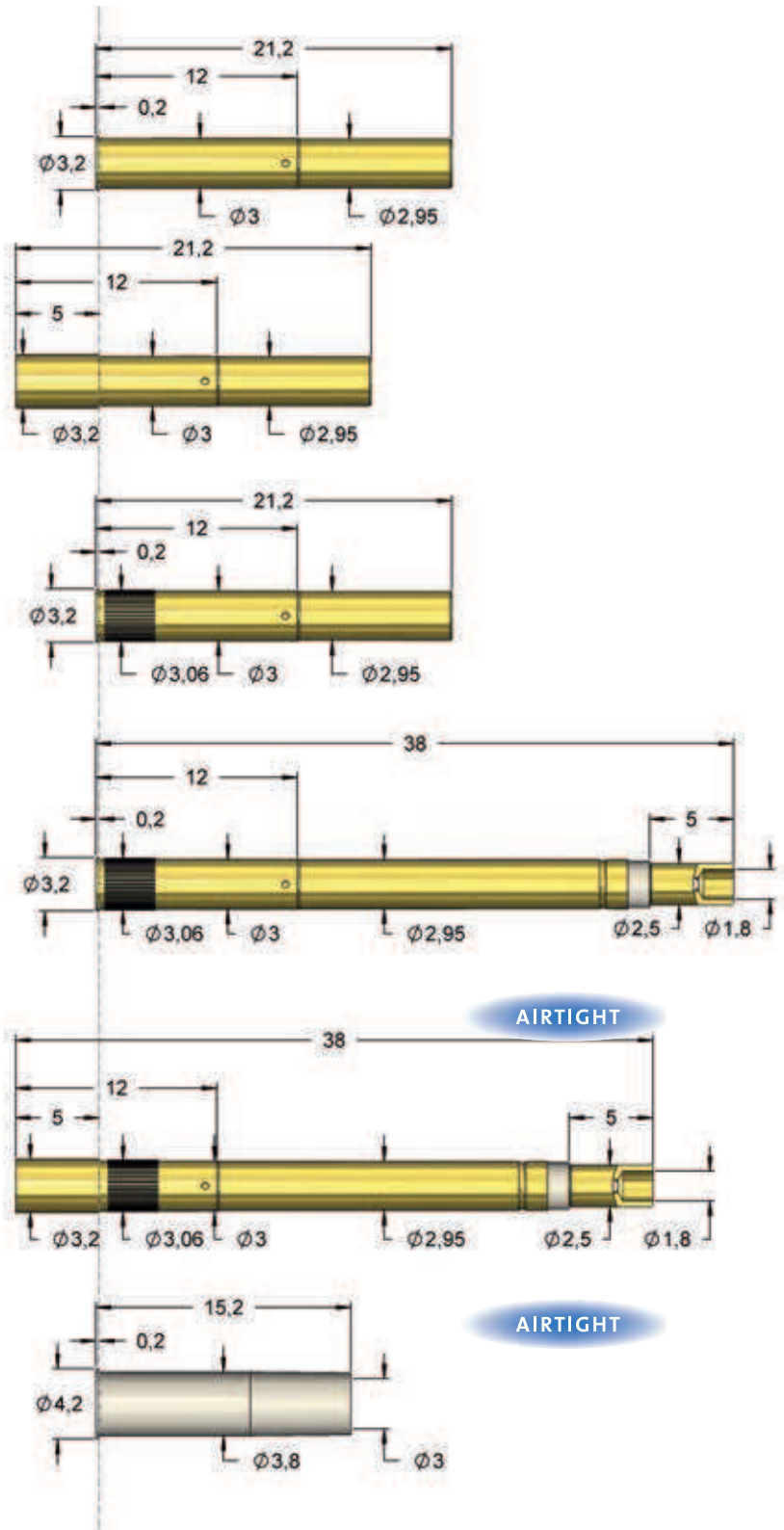
Solder temperature: max. 300 °C

Material: Brass, Gold plated

Insulating Sleeve H885IS

By usage of the insulating sleeve H885IS an insulated assembly of probes within conductive materials is possible (e.g. at steel). Maximum temperature: 300°C
Due to the sleeve's collar the projection height is increase by 0,2 mm.

Material: PEEK



Drill Size [mm]

Receptacle without knurl	2,98 - 2,99
Receptacle with knurl	3,00 - 3,02

For insertion of the receptacles
tool FEWZ-774E0 can be used.