

Standard Switch Probe 138 mil Closer (NO)

F886

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
34	70
30	120
50	200
80	350
50	900

Travel (mm)

Nominal	Maximum
4,0	4,2
Switch Travel (mm)	1,7 / 3,5
Thread (M)	2,5
Wrench Size	2,6
Pointing Accuracy	±0,09 mm

Materials and Plating

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

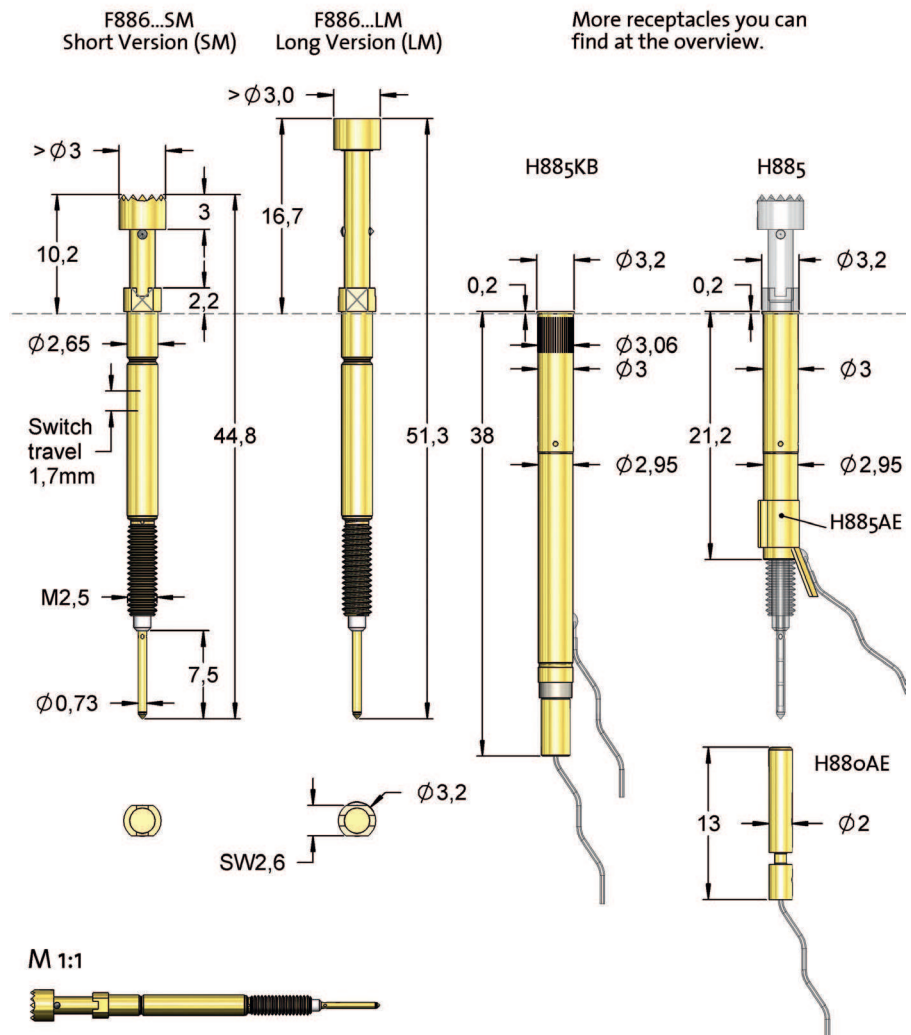
Accessories

Insertion tool receptacle	FEWZ-774E0
Screw-in tool probe	FWZ885S1 max. Ø3,1 mm
Screw-in tool probe	FWZ760S1 max. Ø4,0 mm
Screw driver	FWZ886S2

Drill Size [mm]

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

Type	Tip-Ø	Spring Force
F 886 17 B 400 G 900 SM 35		
Tip Style	Material	Finish
Material:	B = BeCu, K = Synthetic, H = Synthetic Head with Ring, T = BeCu-Head insulated, Gold plated	
Tip-Ø:	400 = 4,0 mm (e.g.)	
Finish:	G = Gold, N = Nickel, U = unplated	
Special Version:	SM = Short Version, LM = Long Version, E14 = Projection Height 14 mm	
Switch travel:	35 = 3,5 mm (deviating from standard)	
Receptacle:	Order Code according drawing	
ORDER EXAMPLE		



More receptacles you can find at the overview.

Projection Height

(F886...SM) H885 / H885RD / H885KB	10,2
(F886...SM) H885/5 / H885KB/5	15,0
(F886...LM) H885 / H885RD / H885KB	16,7
(F886...LM) H885/5 / H885KB/5	21,5

Variants with a switch travel of 3,5 mm available on request.

Tip Style	Number	Material	Plating	Ø in mm	Version
	06	B	G	3,0; 4,0	SM
	06	B	G	3,0	LM
	17	B	G	3,0; 3,5; 4,0; 4,5; 5,9	LM
	17	B	G	3,0; 3,5; 4,0; 4,5; 5,0; 5,5; 5,9	SM
	17	H	U	3,0; 3,5; 4,0; 4,5; 5,0	LM
	17	H	U	3,0; 3,5; 4,0; 4,5; 5,0; 5,5	SM
	17	K	U	3,0; 3,5; 4,0; 4,5; 5,0; 5,5; 5,9	SM
	17	K	U	3,0; 3,5	LM
	17	T	N	3,0 / 5,0	SM



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

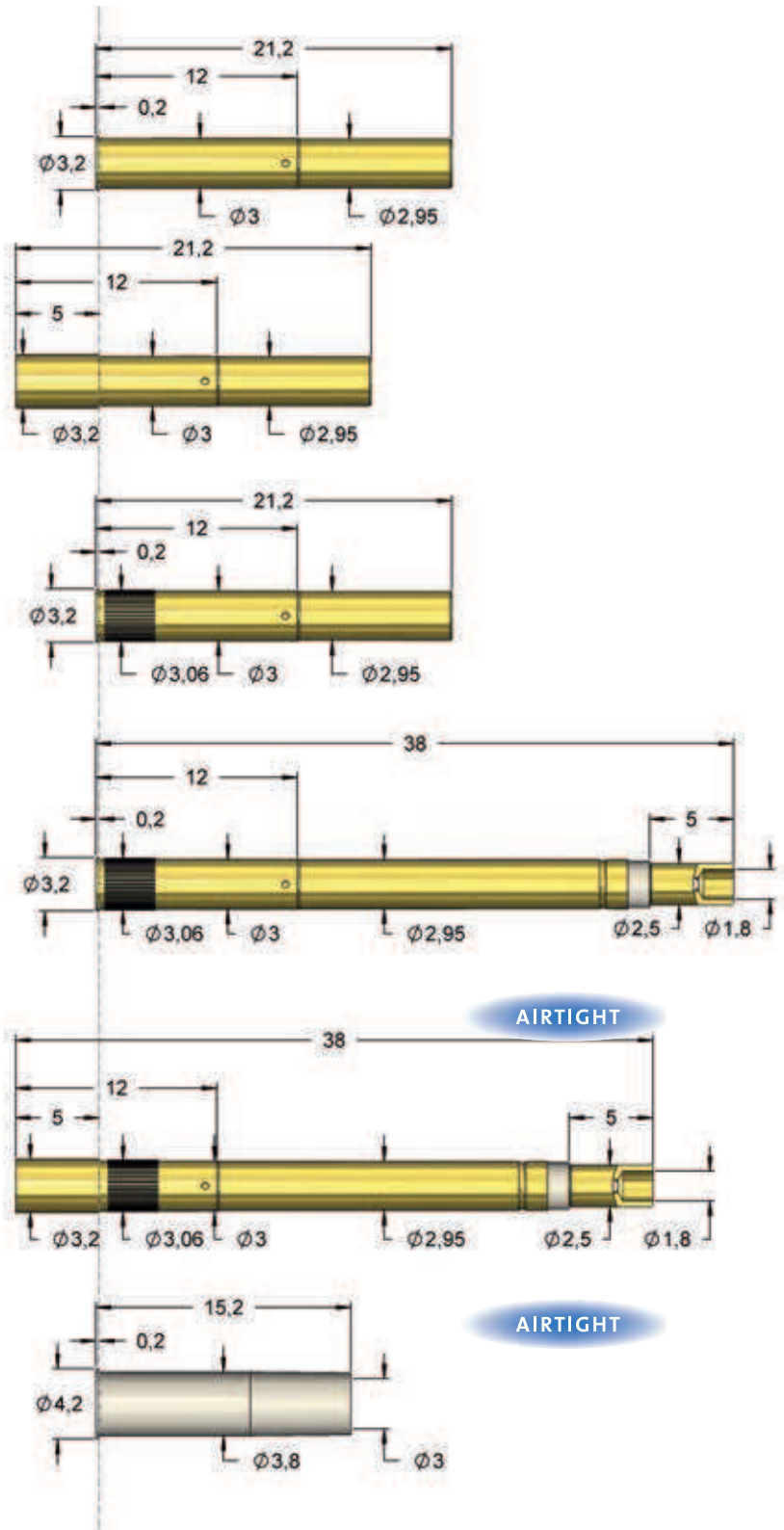
Solder temperature: max. 300 °C

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.