



F883 (NC)

Switch Probe 138 mil Opener, Threaded

Centers (mm/mil)	3,50 / 138
Current	10,0 A
Current (Switch)	1,0 A
R typ	50 mOhm
Temperature	-45°C...+100°C

Spring Force (cN ±20%)

Version	Preload	Nominal
LM	40	230
SM	40	230

Travel (mm)

Version	Nominal	Maximum
LM	4,0	5,0
SM	4,0	5,0
Switch Travel (mm)		1,7
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
Receptacles	Brass, gold plated

Accessories

Insertion tool receptacle	FEWZ-774E0
	FWZ885 (T)
Screw-in tool probe	FWZ885L (T) max. Ø2,5 mm
Screw-in tool probe	FWZ885S1 (T1) max. Ø3,1 mm

Drill Size (mm)

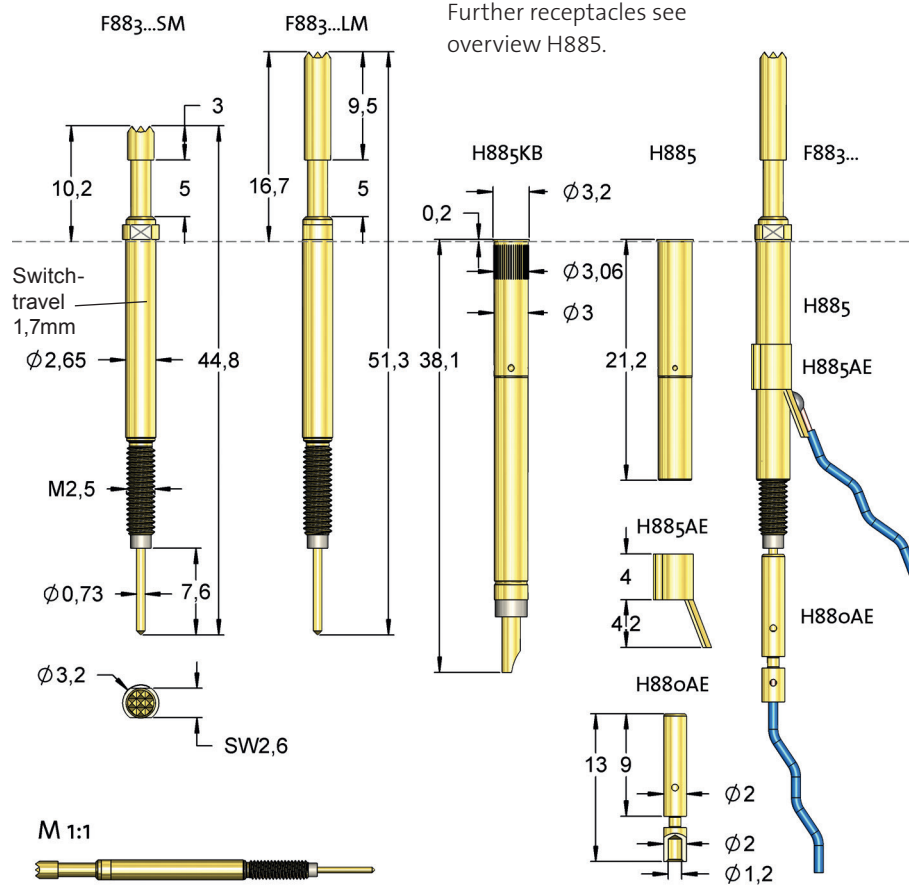
Receptacle without knurl	2,98 - 2,99
Receptacle with knurl	3,00 - 3,02

Projection Height (mm)

H885 / H885RD / H885KB with F883...SM	10,2 - 15,2
H885/5 / H885KB/5 with F883...SM	15,0 - 20,0
H885 / H885RD / H885KB with F883...LM	16,7 - 21,7
H885/5 / H885KB/5 with F883...LM	21,5 - 26,5

Series	Tip-Ø	Spring Force (cN)
F883	05	B 230 G 230 SM
	Tip Style	Material
		Plating
		Version

Material:	B = BeCu, K = Synthetic
Tip-Ø:	230 = 2,30 mm (e.g.)
Plating:	G = Gold plated, U = Unplated
Version:	SM = Short version, LM = Long version
Receptacle:	Order code according drawing



Further receptacles see overview H885.

The probe F883 can be height adjusted by 5,0 mm, independently from the used receptacle. It is held in its position by pressure marks. For further receptacles see datasheet H885.

Versions with switch travel 0,5 mm available on request.

Tip Style	Number	Material	Ø in mm	Plating	Version
	05	B	2,30	G	SM
	06	B	2,30	G	LM
	06	B	2,30	G	SM
	16	B	1,80	G	SM
	17	B	2,30	G	SM
	17	K	2,30	U	SM



H885

Receptacles for Switch Probe Series F883, F885, F886, F485, F486 and F385

Receptacle H885RD

This receptacle has the same dimensions as H875, but it has a knurl for a secure seat in the drill hole
Projection heights.

Material: Brass, gold plated

Receptacle H885KB for solderless exchange of probes

In combination with this receptacle switch probes can be exchanged solderless.

Solder temperature max. 300 °C.

Material: Brass, gold plated

Receptacle H885KB/5 for solderless exchange of probes

This receptacle is the same as H875KB, just with a collar of 5,0 mm for larger projection heights.
Solder temperature max. 300 °C.

Material: Brass, gold plated

Receptacle H885/5

This receptacle has a collar of 5,0 mm for larger projection heights.

Material: Brass, gold plated

Receptacle H885

Material: Brass, gold plated

Insulating sleeve H885IS

In combination with insulating sleeves it is possible to mount all H875 receptacles insulated into conductive material, e.g. steel. Because of the collar the projection height is increased by 0,2 mm.

The insulating sleeve can be used up to 260 °C.

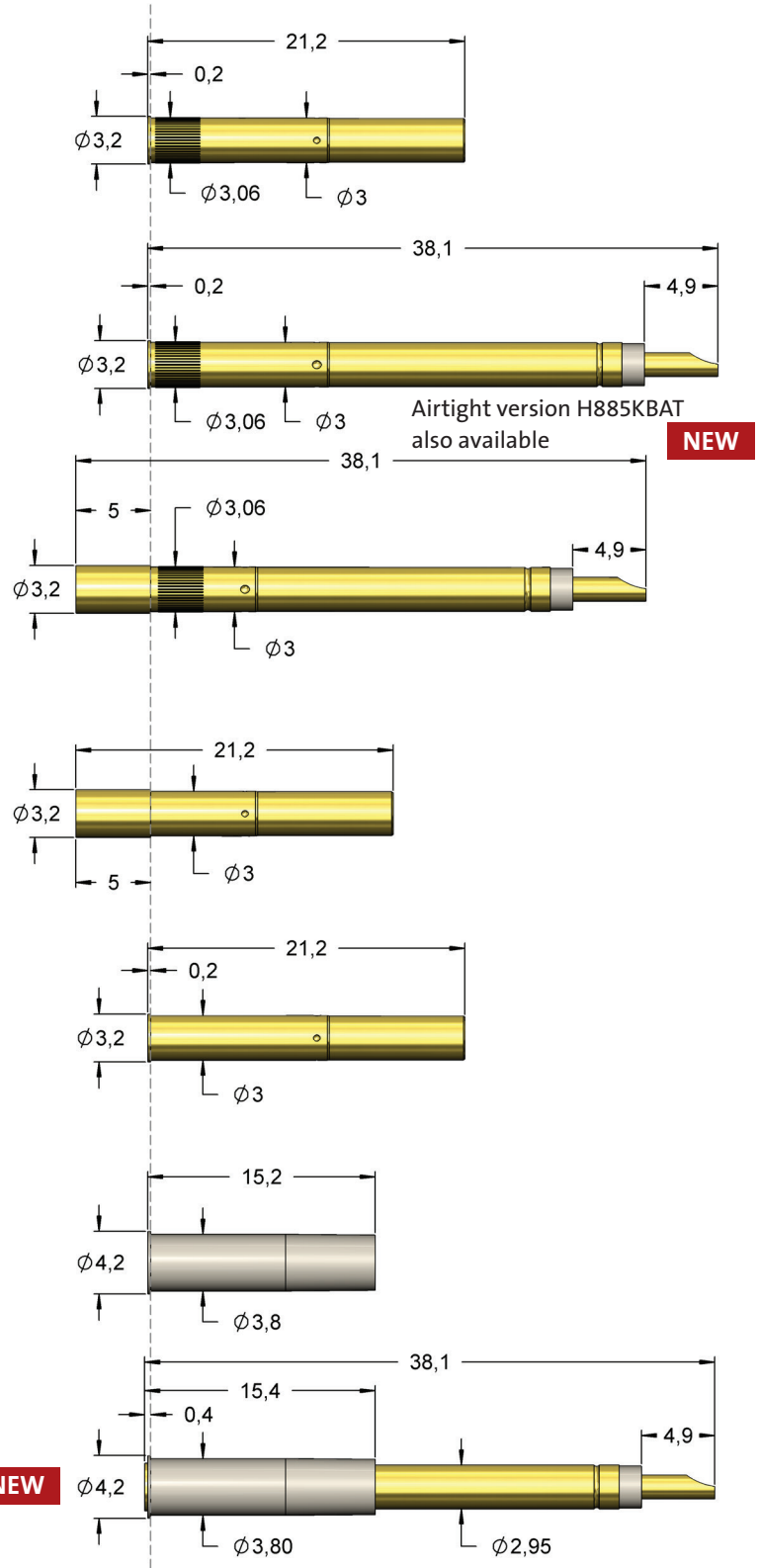
Material: Polyetheretherketone, PEEK

Insulating sleeve H885KBIS for solderless exchange of probes

In combination with insulating sleeves it is possible to mount all H875 receptacles insulated into conductive material, e.g. steel.

The insulating sleeve can be used up to 260 °C.

Material: Polyetheretherketone, PEEK



Airtight version H885KBAT also available

NEW

NEW

Drill Size (mm)

Receptacle without knurl	2,98 - 2,99
Receptacle with knurl	3,00 - 3,02
Insulating sleeve	3,78 - 3,79

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