

# SWITCH PROBES

**FM Choice**

## F885 (NO)

10 A | 138 mil | Threaded



### Electrical specifications

Temperature [°C]	-45°...+100°		
Current [A]	10		
Current switch [A]	1		
R <sub>TYP</sub> [mOhm]	<50		

### Mechanical specifications

Switch travel [mm]	1.7		
Preload [cN]	20	70	140
Spring force [cN] at nt ±20%	80	200	270
Nominal travel [mm]	4.0	4.0	4.0
Maximum travel [mm]	5.0	5.0	5.0

### Mechanical specifications

Switch travel [mm]	1.7		
Preload [cN]	130	130	220
Spring force [cN] at nt ±20%	320	350	900
Nominal travel [mm]	3.5	4.0	4.0
Maximum travel [mm]	4.0	5.0	5.0

### Materials and plating

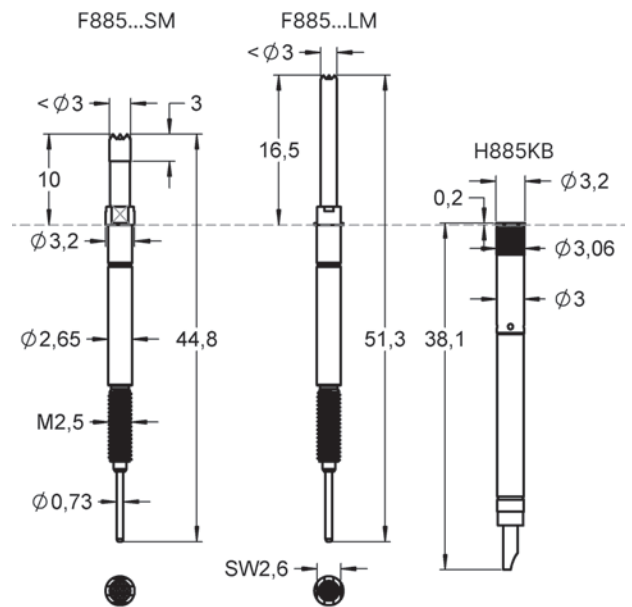
Plunger	BeCu	gold plated
	Synthetic	unplated
Barrel	Brass	gold plated
Spring	Spring steel	silver plated
Receptacle	Brass	gold plated

### Accessories

Further receptacles H885 see page 53.		
1003642	FEWZ-774E0	Insertion tool receptacle
1029833	FWZ885S1T	Screw-in tool probe <math>\lt; \text{Ø}3.1 \text{ mm}</math>
1009781	FWZ885T	Screw-in tool probe <math>\lt; \text{Ø}2.5 \text{ mm}</math>

### Series drawing






























All measurements are in mm.



### Drill size recommendation (mm)

Receptacle without knurl	2.98 - 2.99
Receptacle with knurl	3.00 - 3.02

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Order code	Product name	Tip Style	Tip Ø [mm]	Material/Plating	Force [cN]	Thread [M]	Version	FM Choice
1004245	F88506B100G200SM	06 	1.00	B / G	200	M2.5	SM	
1004246	F88506B100G350LM	06 	1.00	B / G	350	M2.5	LM	-
1004247	F88506B100G350SM	06 	1.00	B / G	350	M2.5	SM	-
1018410	F88506B180G200E22	06 	1.80	B / G	200	M2.5	E22	-
1021762	F88506B180G350E22	06 	1.80	B / G	350	M2.5	E22	-
1007760	F88506B180G350SM	06 	1.80	B / G	350	M2.5	SM	-
1011900	F88506B230G080SM	06 	2.30	B / G	80	M2.5	SM	
1004325	F88506B230G200LM	06 	2.30	B / G	200	M2.5	LM	
1003639	F88506B230G200SM	06 	2.30	B / G	200	M2.5	SM	
1005985	F88506B230G320S1	06 	2.30	B / G	320	M2.5	S1	-
1004327	F88506B230G350LM	06 	2.30	B / G	350	M2.5	LM	
1004328	F88506B230G350SM	06 	2.30	B / G	350	M2.5	SM	
1004330	F88506B230G900SM	06 	2.30	B / G	900	M2.5	SM	
1004345	F88516B100G200S2	16 	1.00	B / G	200	M2.5	S2	-
1006178	F88516B100G200SM	16 	1.00	B / G	200	M2.5	SM	-
1005026	F88516B180G200SM	16 	1.80	B / G	200	M2.5	SM	-
1021802	F88516B180G270E28	16 	1.80	B / G	270	M2.5	E28	-
1004335	F88517B230G200SM	17 	2.30	B / G	200	M2.5	SM	-
1004336	F88517B230G350SM	17 	2.30	B / G	350	M2.5	SM	-
1004337	F88517K230U200SM	17 	2.30	K / U	200	M2.5	SM	
1004338	F88517K230U350SM	17 	2.30	K / U	350	M2.5	SM	