

HIGH CURRENT PROBES

F762C

**High Current Probe 157 mil
for Contacting
Flat Blade Connectors
up to 40 A, Threaded**

Centers (mm/mil)	4,00 / 157
Current	40,0 A
R typ	<5 mOhm
Temperature	-40°C...+200°C (H)

Spring Force (cN ±20%)

Version	Preload	Nominal
C	70	300

Travel (mm)

Version	Nominal	Maximum
C	4,0	5,0
Thread (M)		2,5
Wrench Size		2,6
Pointing Accuracy		±0,05 mm

Materials and Plating

Plunger	see Tip Style
Barrel	Brass, gold plated
Spring	Stainless steel, unplated
Receptacle	BeCu, gold plated

Accessories

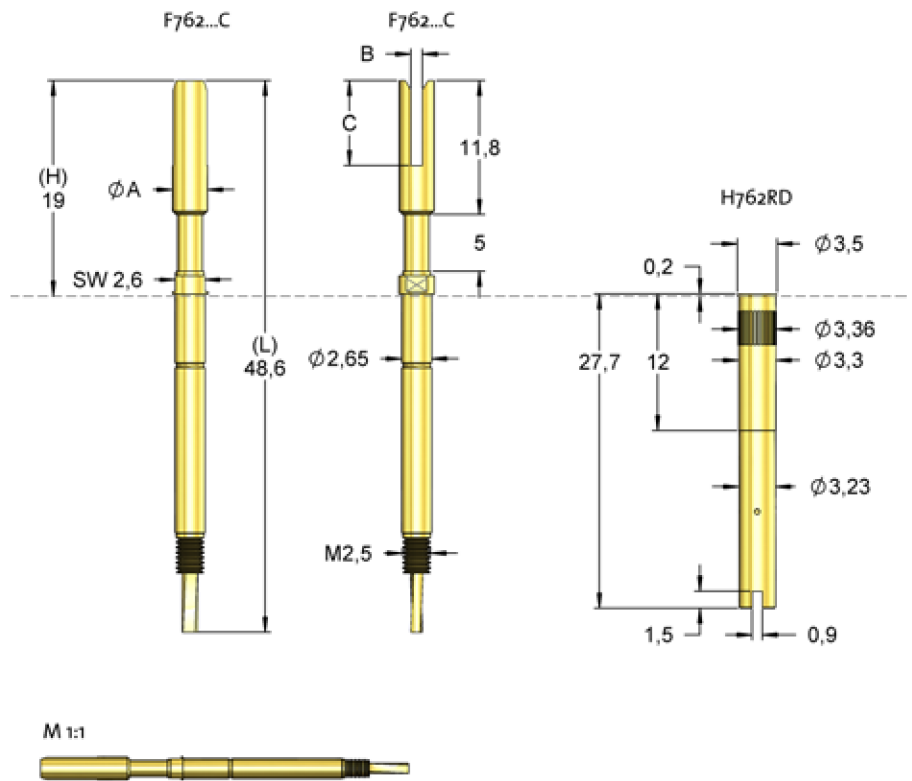
Alignment tool receptacle	FAWZ761
Screw-in tool probe	FWZ885S1 FWZ885T1

Drill Size (mm)

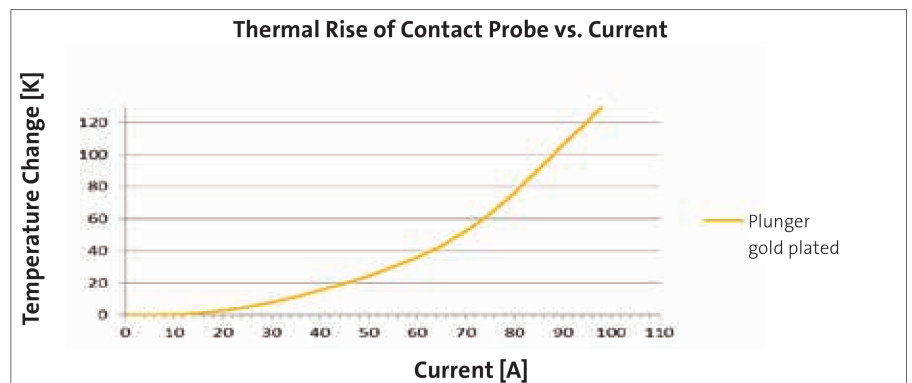
H762RD	3,30 - 3,35
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Projection Height (mm)

H723LA mit F723...C	7,3
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For connecting the probe a flexible wire with sufficient space for movement should be used.

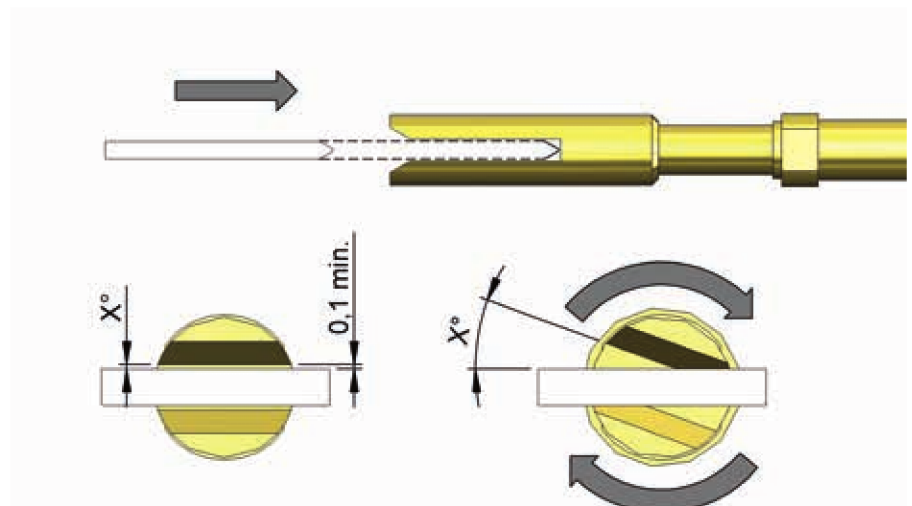


Functional principle

Due to the twist proof design the plunger is always brought to the test item well aligned. Once the plunger is compressed by contacting the blade connector, it is twisted up to a maximum of 20°. This results in a good electrical contact without damaging or scratching the tested item.

Important:

The probe needs to be moved axially to the blade connector. A chamfer at the contact probe enables an optimum guiding.



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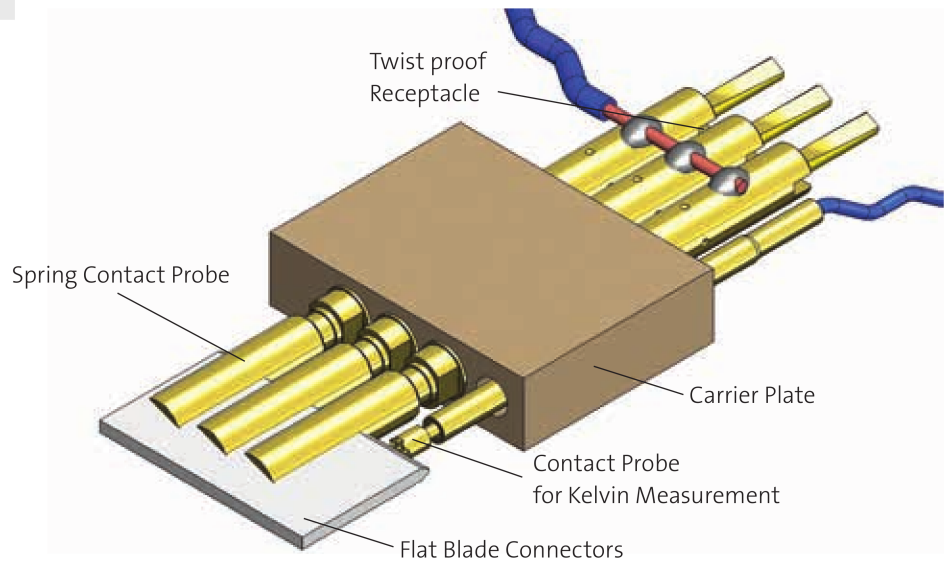
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Application note

Higher currents can be realized by using several probes in parallel, e.g. 120 A in this example. In applications with Kelvin tests a normal spring contact probe can be used for the voltage (sense signal).

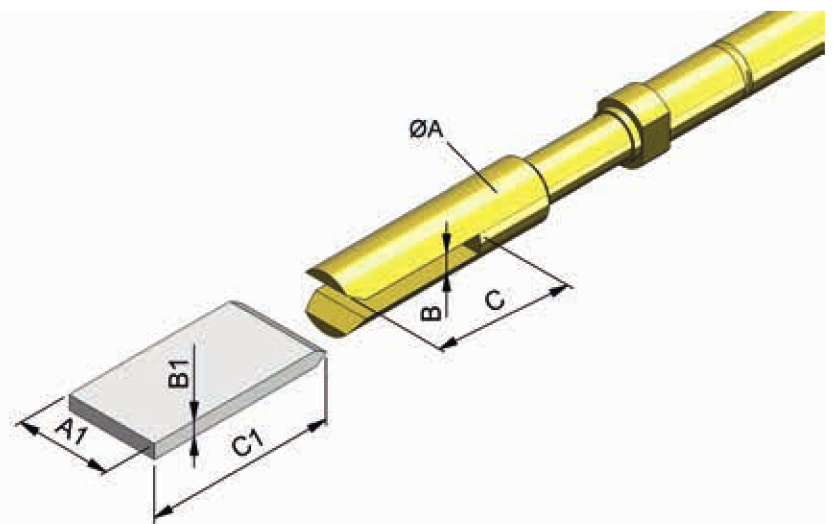
Further connection options for large cable cross-sections > e.g. integration in block with connection thread >M5



Series	Number		Spring Force (cN)	
F762	89	B	0001	G 300 C
Tip Style	Material	Plating	Version	

Material: B = BeCu
Number: see table
Plating: G = Gold plated
Version: C = High Current Version
Receptacle: Order Code according drawing

At the Order Code of coaxial versions you will find a number instead of the coded tip-Ø. This number shows in the table the belonging spade dimensions.



Suitable for blades			Spring Contact Probe				
A1 [mm]	B1 [mm]	C1 [mm]	Order Code	ØA [mm]	B [mm]	C [mm]	Screw-in Tool
min. 3,2	0,5 - 0,8	min. 8,0	F76289B0001G300C	3,1	1,0	7,5	FWZ885S1; FWZ885T1
min. 3,2	1,0 - 1,3	min. 8,0	F76289B0002G300C	3,1	1,5	7,5	FWZ885S1; FWZ885T1
min. 3,2	1,0 - 1,3	min. 4,5	F76289B0003G300C	3,1	1,5	4,0	FWZ885S1; FWZ885T1
min. 4,2	1,5 - 1,8	min. 8,0	F76289B0004G300C	4,0	2,0	7,5	FWZ760S1; FWZ760T1
min. 3,2	0,5 - 0,8	min. 3,0	F76289B0005G300C	3,1	1,0	2,5	FWZ885S1; FWZ885T1
min. 3,2	0,5 - 0,8	min. 6,7	F76289B0006G300C	3,1	1,0	6,2	FWZ885S1; FWZ885T1
min. 3,2	0,3 - 0,6	min. 6,2	F76289B0007G300C	2,2	0,8	5,7	FWZ885S1; FWZ885T1