



1860C009

High Current Test Head up to 80 A for Scratch Contacting

Centers (mm/mil)	12,0 / 472
Current	80,0 A
R typ	<3 mOhm
Temperature	-45°C...+200°C (H)

Spring Force (cN ±20%)

Version	Preload	Nominal
Standard	3x 170	3x 600

Travel (mm)

Version	Nominal	Maximum
Standard	4,0	5,0
Thread (M)		4,0
Wrench Size		3,0/10,0

Materials and Plating

Plunger	BeCu, gold plated
Barrel	Brass, gold plated
Spring	Stainless steel, gold plated
Holder	Brass, silver plated
Spring	Stainless steel, unplated

Accessories

Insertion tool Holder	FDWZ-860C009
Screw-in tool probe	FWZ733S2 (T)

Drill Size (mm)

Receptacle with knurl	10,00 - 10,02
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Projection Height (mm)

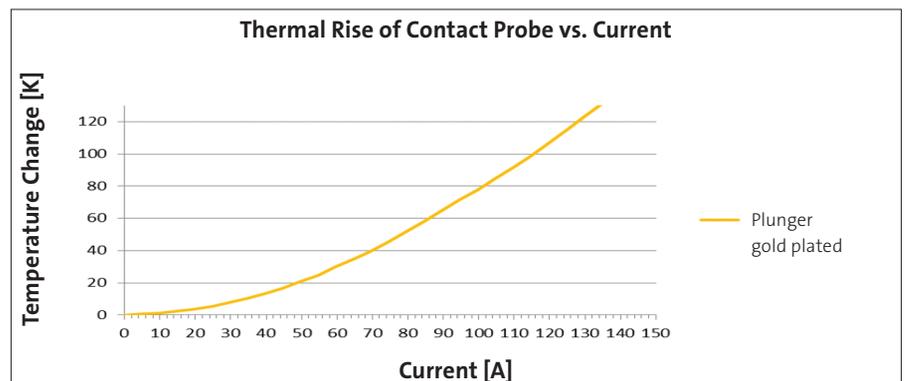
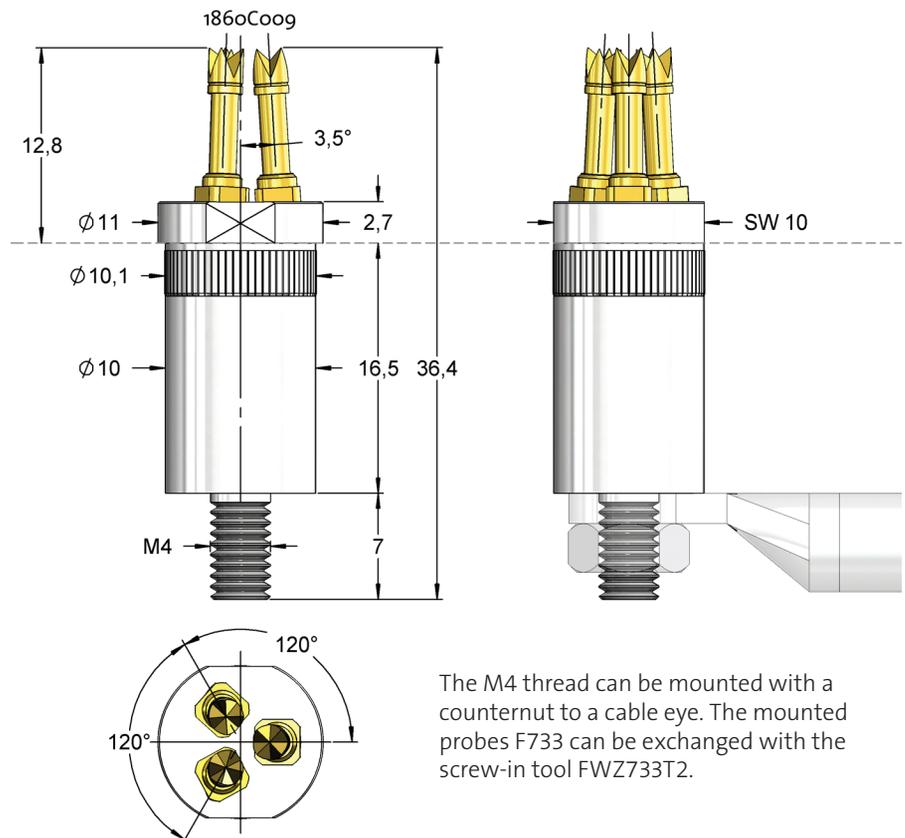
1860C005	15,0
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Function:

The scratch contact 1860C009 is well suitable for reliable contacts at difficult conditions. It contacts not only axially, but also causes a lateral scratch movement because of the inclined contact probes. This lateral scratching improves the quality of the electrical contact compared to standard high current probes.

Advantage:

The advantage of this solutions is a more effective penetration of passivation layers or contaminations and a deeper penetration of the surface, even compensating unevenness. This creates an increased contact surface and contact force, leading to a higher ampacity of the contact. Especially the increased contact reliability of critical materials like aluminum or nickel is remarkable.

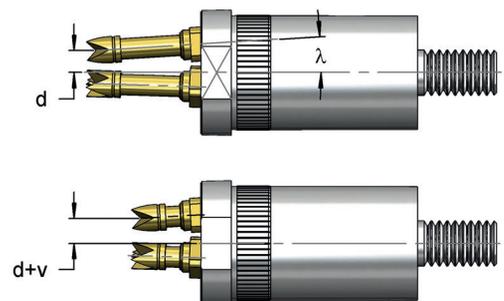


Travel 0,0 mm:

The probe tips are contacting in a distance d from the central axis. During the travel the probe tips move outwards by the offset v .

Resulting radial offset:

Travel [mm]:	Offset v [mm]:
1,0	0,06
2,0	0,12
3,0	0,18
4,0	0,24
5,0	0,30



Order Code	Tip Style	Number	Material	Ø in mm	Plating	Version	Screw-in Tool
1860C009		14	B	2,30	G	C	FWZ733S2 (T)