



F819

For electrical contacting of HSD female

Centers (mm/mil)	12,0 / 472
Current (Circular)	10,0 A
Current (Internal)	3,0 A
Temperature	-45°C...+100°C

Spring Force (cN ±20%)

	Preload	Nominal
Total	-	2020
Internal Cont.	75	130
Circular Cont.	900	1500

Travel (mm)

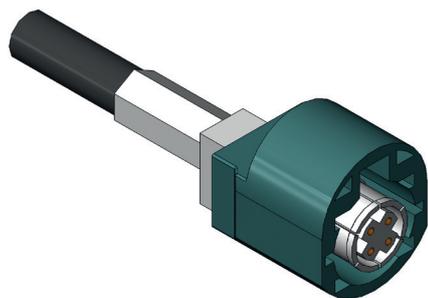
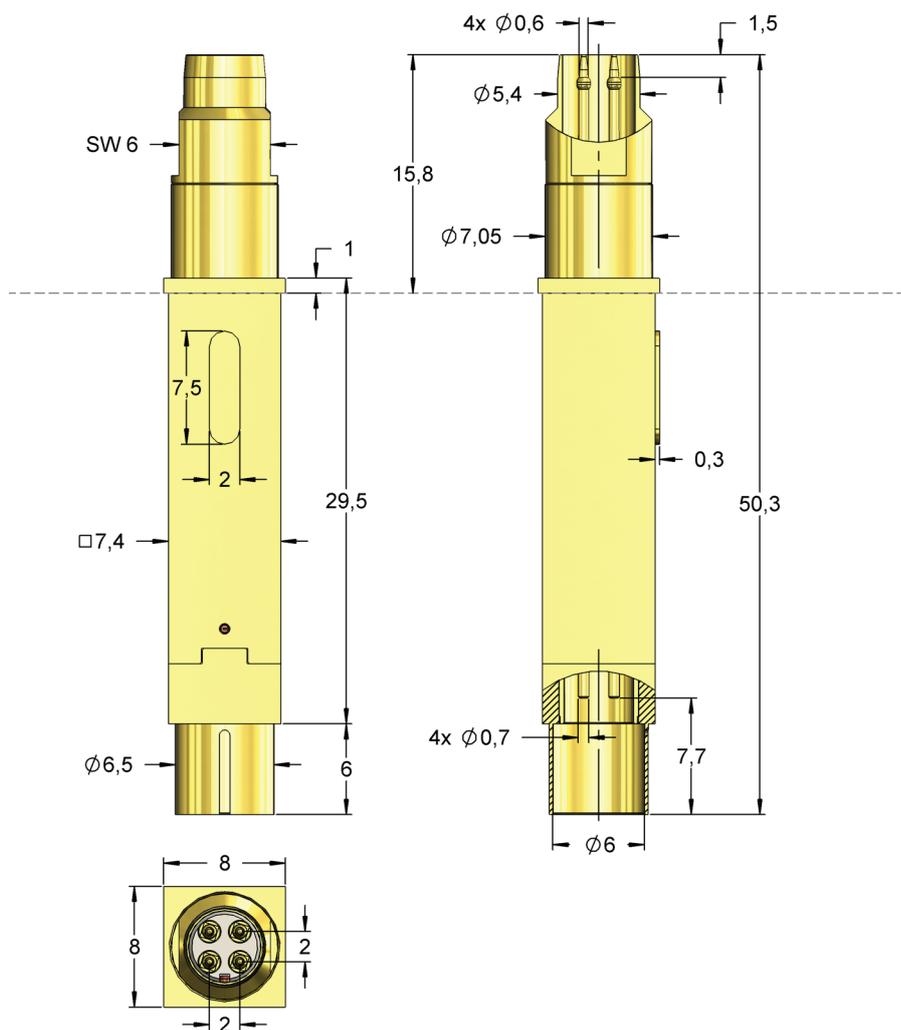
	Nominal	Maximum
Internal Cont.	3,0	5,8
Circular Cont.	5,0	6,0
Wrench Size		6,0

Materials and Plating

Internal Cont.	BeCu, gold plated
Circular Cont.	BeCu, gold plated
Barrel	Brass, gold plated
Spring Internal Cont.	Music Wire, silver plated
Spring Circular Cont.	Stainless steel, unplated

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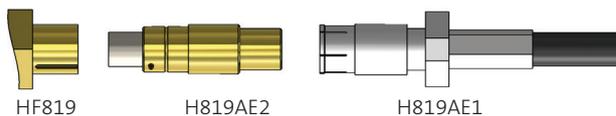


HSD-Female (H819AE1)

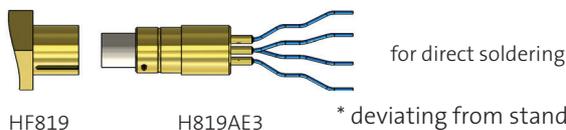
The F819 combines several advantages: Conical inlet of the external as well as internal contact for better contacting and compensation of tolerances. In addition, the screwed internal contacts (F17512B0023G150SPS1) prevent the contact from being pulled out of the receptacle. The probe is used for purely electrical contacting of HSD females.



By combining the connection elements H819AE2 and H819AE1 a **defined and reproducible measuring** setup with fix parameters can be realized.



Connection units selectable



* deviating from standard, depending on diameter.

Order Code	Sense Pin	Tip Style	Ø A	Ø B	C	H	L	Version
F81912B0001G2020		12 *	max. 0,60	max. 5,40	- 1,50	15,80	50,30	-



F175...SPS1

Internal Contact for Kelvin Probes F819

Centers (mm/mil)	1,90 / 75
Current	4,0 A
R_{typ}	20 mOhm
Temperature	-45°C...+100°C

Spring Force (cN ±20%)

Version	Preload	Nominal
SPS1	70	150

Travel (mm)

Version	Nominal	Maximum
SPS1	4,3	5,8
Pointing Accuracy		±0,08 mm

Materials and Plating

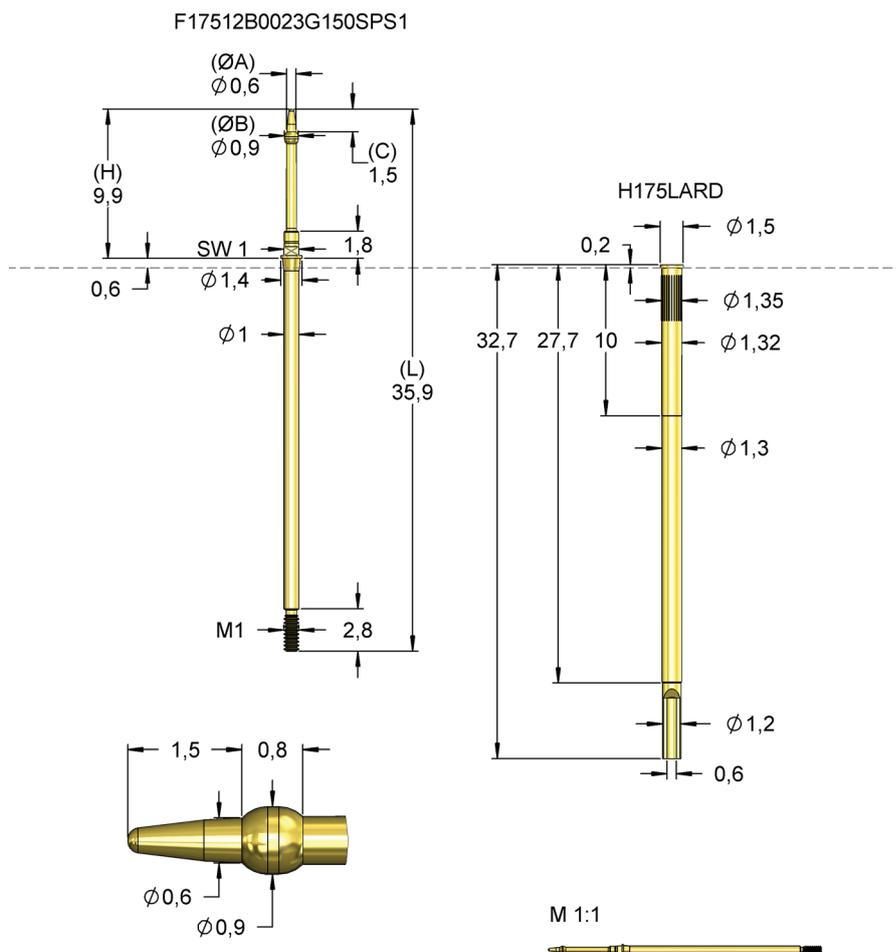
Plunger	BeCu, gold plated
Barrel	Brass, gold plated
Spring	Music Wire, silver plated
Receptacle	Brass, gold plated

Accessories

Insertion tool receptacle	FEWZ-075E0
Screw-in tool probe	FWZ730

Drill Size (mm)

H175LARD	1,32 - 1,34
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The F175...SPS1 is mounted in probes F819 as internal contact for signal transmission.

* deviating from standard, depending on diameter.

Order Code	Tip Style	Ø A	Ø B	C	H	L	Version
F17512B0023G150SPS1 *	12	0,60	0,90	1,50	9,90	35,90	SPS1