

# HFS-856

## PRODUCT INFORMATION

### RF test probe

**Grid:**  
 ≥ 10 mm (flange)  
 ≥ 400 Mil  
**Installation height:** 25 mm

INGUN Prüfmittelbau GmbH  
 Max-Stromeyer-Straße 162  
 78467 Konstanz | Deutschland  
 Tel. +49 7531 8105-0  
 www.ingun.com

## HFS-856 for SMA jack

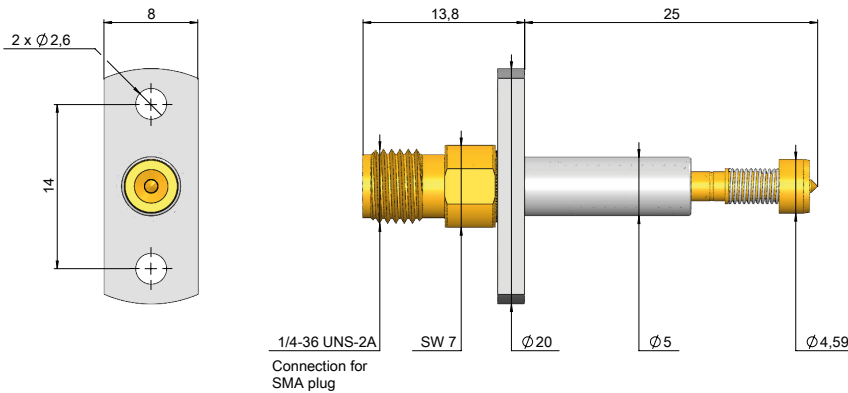
### Features

- Precise mechanical hitting accuracy due to exact guidance and re-positioning with new guiding barrel
- Consistent RF signal transmission, repeating accuracy ensured
- Protected signal (inner) conductor due to protruding ground (outer) conductor
- Long life expectancy due to low-wear internal structural design

### Funktion / Montage

- Internationally preferred installation via screw connection with flange
- Standardised SMA connection interface to test system

### Function / installation



### Mechanical data

**Outer conductor working stroke:** 4.2 mm  
**Outer conductor maximum stroke:** 5.2 mm  
**Inner conductor working stroke:** 1.2 mm  
**Inner conductor maximum stroke:** 2.0 mm  
**Outer conductor spring force:** 4.8 N  
**Inner conductor spring force:** 1.5 N

### Materials

**Plunger:** BeCu, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel  
**Flange:** Brass, nickel-plated

### Operating temperatur range

**Standard:** -40° to +80° C

### Electrical data

**Rated frequency:** 8 GHz (-20dB)  
 12 GHz (-10dB)  
**Impedance:** 50 Ohm

### Mounting hole size

**Flange barrel:** > 5.05 mm

### Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Special designation
SMA contact	H F S	8 5 6	3 0 8	1 1 0	A	6 3	4 2	E1F-H
<b>Other contacts</b>								
UFL contact:	H F S	8 5 6	3 0 3	0 5 1	A	5 5	4 3	UFL-H
XFL contact:	H F S	8 5 6	3 7 9	0 3 0	A	5 5	4 3	XFL-H
SMP contact:	H F S	8 5 6	3 0 3	0 5 1	A	5 0	4 2	SMP-H
<b>Switch contacts</b>								
MM8030 contact:	H F S	8 5 6	3 0 5	0 3 0	A	5 5	4 3	MM8030-H
MS180 contact:	H F S	8 5 6	3 0 5	0 3 0	A	6 3	4 3	MS180-H
MS156 contact:	H F S	8 5 6	3 0 5	0 4 0	A	6 3	4 3	MS156-H