

HFS-810 M / HFS-840 M

RF-Probe with thread

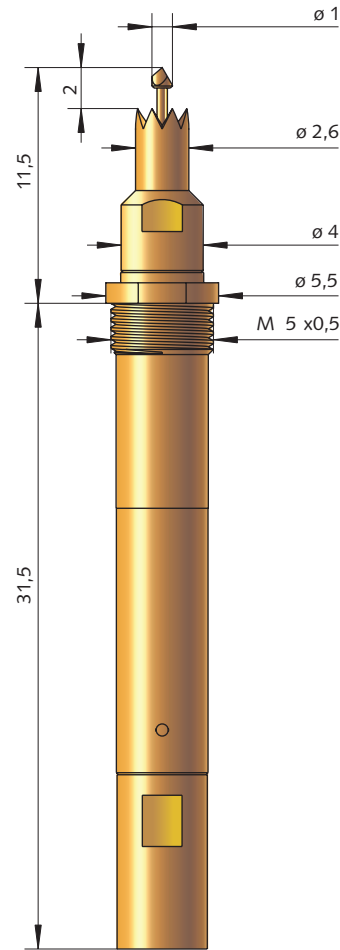
The series HFS-810 ... M can be combined with all Outer Plungers and Inner Conductors.

The application is carried out with Receptacle KS-810 M5 - R.

Note:

For applications in the case of vibration, shaking, snapping effect or assembled upside down.

For applications with asymmetrical Plunger and also with Outer Plungers, which must be mounted in the correct position, we recommend the „4M“ variant. The „4M“ variant has additional fixing crimps, which prevent rotation of the positioned Probe.



Mechanical Data

| | | |
|-----------------|-----------------|-----------------|
| | Outer Conductor | Inner Conductor |
| Working Stroke: | 4,0 mm | 2,0 mm |
| Maximum Stroke: | 5,0 mm | 3,7 mm |

Spring Force

The Spring-Loaded Inner- and Outer Conductors are available with different Spring Forces. To create the Ordering No. the individual values must be added together.

| | | | | |
|-------------------------------------|-----|-----|-----|-----|
| Spring Force of Inner Conductor (N) | 1,3 | 2,0 | 1,3 | 2,0 |
| Spring Force of Outer Conductor (N) | 4,0 | 4,0 | 8,0 | 8,0 |
| Character of ordering | 53 | 60 | 93 | 99 |

Operating Temperature: – 40 up to + 80 °C

Electrical Data

Frequency Range with HFS-810: up to 2 GHz
 Frequency Range with HFS-840: up to 4 GHz

Current Rating

| | |
|---|----------|
| Outer Conductor: | 8–10 A |
| Inner Conductor: | 2–3 A |
| R _i typical Inner Conductor: | ≤ 10 m Ω |
| Impedance Test Probe: | 50 Ω |
| Impedance Cable: | 50 Ω |

Ordering Example:

| Series | Tip Material 2 = Steel 3 = BeCu | Tip Style | Tip Diameter (1/100 mm) | Plating A = Gold | Spring Force (dN) | Outer-Plunger | Type M, 4M |
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|---------------|---------------|
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|---------------|---------------|

Test Probe for Frequency Range up to 2 GHz:

| | | | | | | | | |
|-----|-----|---|-----|-------|---|-----|-----|---|
| HFS | 810 | x | x x | x x x | A | x x | x x | M |
|-----|-----|---|-----|-------|---|-----|-----|---|

Test Probe for Frequency Range up to 4 GHz:

| | | | | | | | | |
|-----|-----|---|-----|-------|---|-----|-----|---|
| HFS | 840 | x | x x | x x x | A | x x | x x | M |
|-----|-----|---|-----|-------|---|-----|-----|---|

MCX-Connector with RF-Coaxial Cable RG 316 / U pre-wired, length 0,7 m (Special lengths on request):

| | |
|----------------------------|-------------------------|
| SE-810 V-U (Grid >5,08 mm) | SE-810 V (Grid 5,08 mm) |
|----------------------------|-------------------------|

Receptacle:

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|-----------------|
| KS - 810 M5 - R |
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Further Information see page „Accessories“.

All specifications are subject to change without prior notification

HFS-810/840
HFS-810 M
HFS-840 M