

# SWITCH PROBES

## F876 (NO)

3 A | 100 mil | Threaded



### Electrical specifications

|                         |              |
|-------------------------|--------------|
| Temperature [°C]        | -45°...+100° |
| Current [A]             | 3            |
| Current switch [A]      | 1            |
| R <sub>TYP</sub> [mOhm] | <20          |

### Mechanical specifications

|                              |     |    |     |
|------------------------------|-----|----|-----|
| Switch travel [mm]           | 2.6 | or | 4.0 |
| Preload [cN]                 | 40  |    | 110 |
| Spring force [cN] at nt ±20% | 150 |    | 300 |
| Nominal travel [mm]          | 4.0 |    | 4.0 |
| Maximum travel [mm]          | 5.3 |    | 5.3 |

### Materials and plating

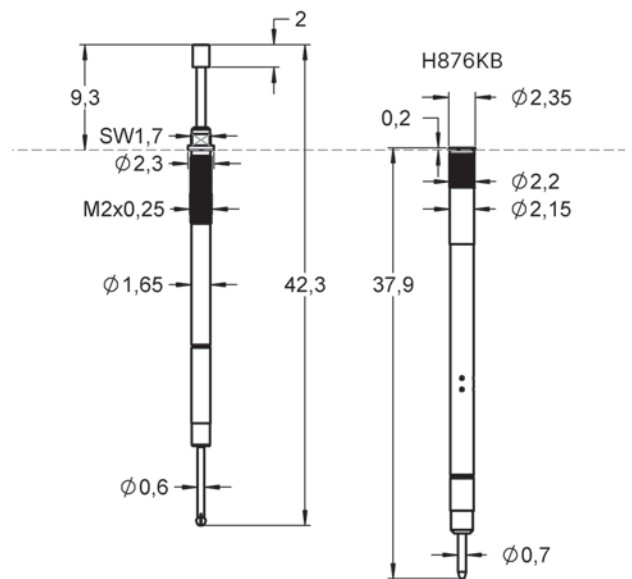
|            |              |               |
|------------|--------------|---------------|
| Plunger    | BeCu         | gold plated   |
|            | Synthetic    | unplated      |
| Barrel     | Brass        | gold plated   |
| Spring     | Spring steel | silver plated |
| Receptacle | Brass        | gold plated   |

### Accessories

|         |            |                              |
|---------|------------|------------------------------|
| 1016185 | H876KB     | Receptacle                   |
| 1003640 | FEWZ-772E0 | Insertion tool receptacle    |
| 1029812 | FWZ732S1T  | Screw-in tool probe <Ø2.7 mm |
| 1004610 | FWZ732T    | Screw-in tool probe <Ø2.0 mm |

### Series drawing

All measurements are in mm.



### Drill size recommendation (mm)

|                       |             |
|-----------------------|-------------|
| Receptacle with knurl | 2.16 - 2.19 |
|-----------------------|-------------|

| Order code | Product name      | Tip Style | Tip Ø [mm] | Material/Plating | Force [cN] | Thread [M] | Version | FM Choice |
|------------|-------------------|-----------|------------|------------------|------------|------------|---------|-----------|
| 1016184    | F87606B150G150S26 | 06        | 1.50       | B / G            | 150        | M2x0.25    | S26     | -         |
| 1121358    | F87611B080G150S26 | 11        | 0.80       | B / G            | 150        | M2x0.25    | S26     | -         |
| 1016492    | F87616B080G150S26 | 16        | 0.80       | B / G            | 150        | M2x0.25    | S26     | -         |
| 1016183    | F87617B150G150S26 | 17        | 1.50       | B / G            | 150        | M2x0.25    | S26     | -         |
| 1016158    | F87617K150U150S26 | 17        | 1.50       | K / U            | 150        | M2x0.25    | S26     | -         |
| 1018292    | F87617K150U300S40 | 17        | 1.50       | K / U            | 300        | M2x0.25    | S40     | -         |