

# Spring-loaded test probe

## GKS-427 201 100 A 1502 M

Item GKS-427-0002



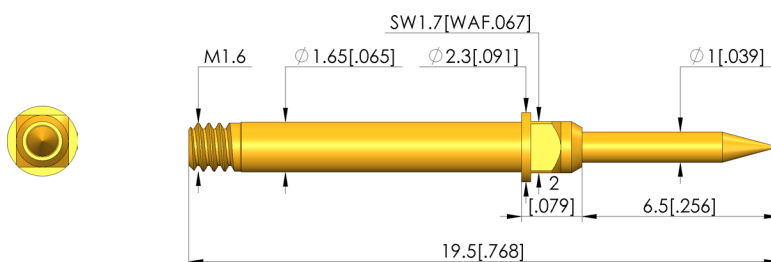
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- Short-stroke screw-in test probes for applications with possible vibrations or unwanted lateral and axial forces (migration of the test probes out of the receptacles is safely prevented)
- The screw-in test probe is securely installed in the KS using a torque screwdriver and bit tool. The required screw-in torque is applied via a square post on the receptacle.
- Stainless steel versions for temperatures from -100 °C up to +200 °C available



1:1



### General data

|                                 |                                |
|---------------------------------|--------------------------------|
| Product group:                  | Screw-in test probe            |
| Sub-product group:              | Screw-in test probe            |
| Series:                         | GKS-427 M screw-in             |
| Grid:                           | 2.54 mm [100 mil]              |
| Contacting from:                | Pad                            |
| Magnetic:                       | Yes                            |
| Installation type:              | Screw-in                       |
| Quick-exchange system:          | Yes                            |
| Adjustable installation height: | No                             |
| Non-rotating:                   | No                             |
| Screw-in torque:                | 3 - 5 cNm [.265 - .442 lbf·in] |
| Compatible receptacle(s):       | KS-427 M                       |
| Min. temperature:               | - 40 °C [- 104 °F]             |
| Max. temperature:               | + 80 °C [+ 176 °F]             |
| RoHS-compliant:                 | RoHS-3;6a;6c                   |

### Electrical data

|                                        |          |
|----------------------------------------|----------|
| Current load capacity / rated current: | 5 A      |
| Typical resistance (Ri):               | <20 mOhm |

### Mechanical data

|                                 |                   |
|---------------------------------|-------------------|
| Total length:                   | 19.5 mm [.767 in] |
| Barrel diameter:                | 1.65 mm [.064 in] |
| Maximum stroke:                 | 4.5 mm [.177 in]  |
| Spring pre-load:                | 0.25 N [.899 ozf] |
| Collar height:                  | 2                 |
| Spring force at working stroke: | 1.5 N [5.39 ozf]  |
| Recommended working stroke:     | 3.5 mm [.137 in]  |

### Tip style data

|                     |                                  |
|---------------------|----------------------------------|
| Tip style:          | 01 30° needle tip, self-cleaning |
| Tip diameter:       | 1 mm [.039 in]                   |
| Tip style surface:  | A gold                           |
| Tip style material: | 2 steel                          |

SCREW-IN TEST PROBE

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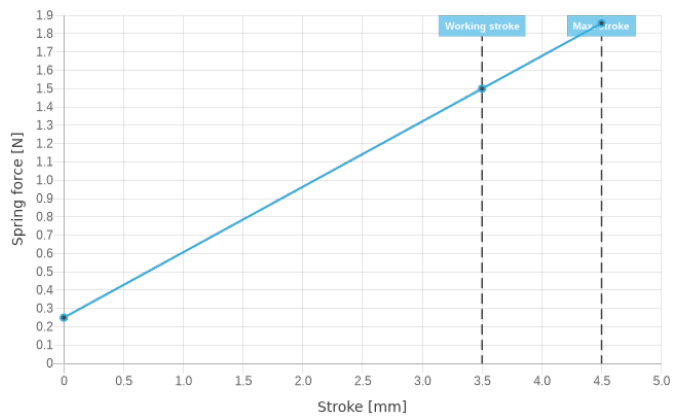
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