**Customer Information Sheet**

**Probes Head Variants**

<table>
<thead>
<tr>
<th>Head Type</th>
<th>Orientation</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spear Head</td>
<td>45°</td>
<td>∅1.80</td>
</tr>
<tr>
<td>Convex Head</td>
<td>90°</td>
<td>∅1.80</td>
</tr>
<tr>
<td>Spherical Radius Head</td>
<td>90°</td>
<td>∅1.80</td>
</tr>
<tr>
<td>Serrated Head</td>
<td>90°</td>
<td>∅1.80</td>
</tr>
<tr>
<td>Concave Head</td>
<td>90°</td>
<td>∅1.80</td>
</tr>
<tr>
<td>Star Head</td>
<td>90°</td>
<td>∅1.80</td>
</tr>
</tbody>
</table>

**Specifications:**

- **Material:**
  - Plunger: Beryllium Copper
  - Barrel: Brass
  - Spring: Stainless Steel
  - Finish: Plunger and Barrel: Gold

- **Electrical:**
  - Current Rating: 3A
  - Contact Resistance: 50mΩ max at 2/3 travel

- **Mechanical:**
  - Durability: 100,000 cycles min
  - FULL TRAVEL = 4.20mm
  - Spring Forces:
    - At full travel: 1.47N ± 0.29N (115g ± 20%)
    - At 2/3 travel: 1.13N ± 0.23N (95g ± 20%)

- **Environmental:**
  - Temperature Range: -40°C to +180°C

**Notes:**

1. To be used with sleeve S25-XX2.
2. Suitable for a minimum distance between centres of 2.54mm.

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**Customer Information Sheet**

**Drawing No.:** P25-XX23
**Sheet 2 of 2**
**Dimensions in mm**

**Order Code:**
- P25-XX23
- Probe Head:
- Variant (see below)

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**Harwin**

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**Title:** 2.54mm MIN. CENTRE TWO-PIECE SPRING PROBE

**Material:**
- See above

**Finish:**
- See above

**Drawing Number:** P25-XX23
**SHT 2** of 2