A New Liquid Leakage Point Sensor Has Been Added to the K7L Series. Fluoroplastic Coating on the Bottom Electrode Ensures Chemical Resistance.

- Can be used in conjunction with Sensing Bands.
- Stud screw mounting requires no tools for installation.
- No tools means the Sensor can be wiped clean quickly and easily.
- The optional Mounting Bracket enables faster installation than three-screw mounting.
- Connect multiple Sensors to one K7L Amplifier for significant cost savings.

### Ordering Information

<table>
<thead>
<tr>
<th>Product name</th>
<th>Main material</th>
<th>Cable material</th>
<th>Electrode material</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid Leakage Point Sensor</td>
<td>Polyethylene</td>
<td>Outer sheath: PVC Inner sheath: Fluoroplastic</td>
<td>SUS304</td>
<td>F03-16PS</td>
</tr>
<tr>
<td>Mounting Brackets (See note 2.)</td>
<td>---</td>
<td>---</td>
<td>SUS304 and fluoroplastic coating</td>
<td>F03-16PS-F (See note 1.)</td>
</tr>
<tr>
<td>Terminal Block (See note 3.)</td>
<td>Nylon 6.6</td>
<td>---</td>
<td>---</td>
<td>F03-26PS</td>
</tr>
</tbody>
</table>

**Note:**
1. The electrode is fluoroplastic-coated.
2. Use a commercially available bonding agent for PVC. One bag contains 10 Brackets.
3. One bag contains 10 Blocks.

### Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>Sensor Amplifier</th>
<th>Conductor</th>
<th>Core</th>
<th>Ambient operating temperature range</th>
<th>Weight</th>
<th>Maximum number of Point Sensors per Amplifier</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Polyethylene</td>
<td>Outer sheath: PVC, Inner sheath: Fluorine resin</td>
<td>F03-16PS: SUS304, F03-16PS-F: SUS304 and fluorine coating</td>
<td>−10 to 80 °C</td>
<td>Approx. 30 g</td>
<td>Any number of Point Sensors can be connected as long as the following conditions are met. K7L-AT50 (K7L-AT50D cannot be used): 60 m max. K7L-U (operating resistance: 1 MΩ max.): 400 m max. However, the leakage area cannot be identified with the K7L-AT50.</td>
</tr>
</tbody>
</table>

### Wiring Diagram

Any number of Sensors can be connected in parallel up to an overall cable length of 400 m. Leakage areas cannot be specified with the K7L.

- K7L-AT50 (operating resistance: 50 MΩ max.): 60 m max.
- K7L-U (operating resistance: 1 MΩ max.): 400 m max.

However, the leakage area cannot be identified with the K7L-AT50.

### Mounting Methods

**Stud Screw Mounting**

- Securing the Sensor with a Nut
- Securing the Sensor with a Wing Nut

**Special Bracket Mounting**

- Note: Use a commercially available bonding agent for PVC.

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