bürkert
FLUID CONTROL SYSTEMS

Resistance thermometer

- With transmitter
- Wide range of applications for neutral mediums and aggressive fluids

Product variants described in the data sheet may differ from the product presentation and description.

Type description

Temperature measuring with 1xPt100 temperature probe integrated in stainless steel tube. The measuring unit is welded according to DIN IEC 751 and cannot be replaced.

Visit product website ▶

Table of contents

1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 4.
Material	
Protection tube material	Stainless steel 1.4571
Circuit type	2-wire circuit
Connection	External thread G ½ A
Electrical data	
Output signal	4 up to 20 mA (corresponds to a range from 0...+ 150 °C)
Measuring current	Approx. 1 mA (film measuring resistor)
Performance data	
Measuring range	0...+ 150 °C
Accuracy	Class B (ΔT [degree]= ± 0.3 ± 0.005 T [°C])
Approvals and conformities	
Protection class	IP67 with connector
Process/Port connection & communication	
Electrical connections	Lumberg connector with/without cable
Environment and installation	
Ambient temperature	Max. + 85 °C

2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.
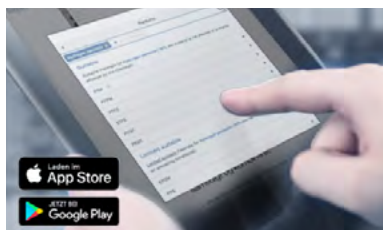
2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

3. Materials

3.1. Bürkert resistApp

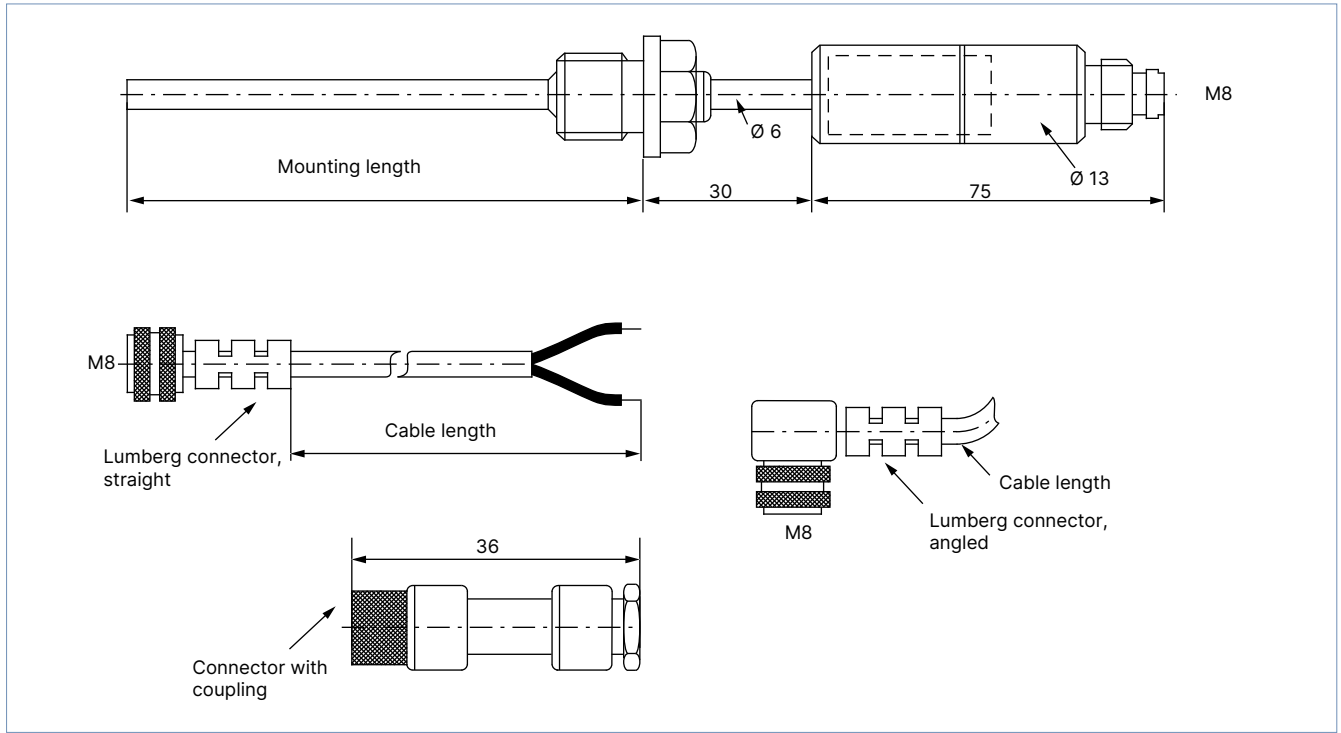**Bürkert resistApp – Chemical resistance chart**

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

Start chemical resistance check

4. Dimensions

Note:
Dimensions in mm

- Mounting length
- 30
- Ø 6
- 75
- Ø 13
- M8
- M8
- Lumberg connector, straight
- Cable length
- Lumberg connector, angled
- Cable length
- M8
- 36
- Connector with coupling

5. Ordering information
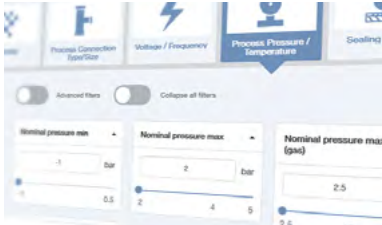
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5.3. Ordering chart

Mounting length [mm]	Thread	Article no.
40	G ½	784334 🛒
50	G ½	784335 🛒

5.4. Ordering chart accessories

Round connector, 4-pin, Lumberg	Cable length	Article no.
Straight	2 m	784337 🛒
Straight	5 m	784338 🛒
Angled	2 m	784339 🛒
Angled	5 m	784340 🛒
With coupling	–	784336 🛒