

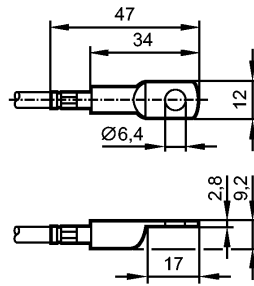


# TS2239

TS-200-KL /US



Temperature sensors



## Product characteristics

Temperature sensor for connection to evaluation units

Bolt-on sensor 12.5 x 8.7 x 47 mm

Cable

gold-plated contacts

Measuring range: -40...90 °C / -13...194 °F

Measuring element: 1 x Pt 100, to DIN EN 60751, class A

## Application

Application Contact sensor for solid bodies

## Electrical data

Protection class III

## Inputs

Insulation rating 500 V

## Measuring / setting range

Measuring range -40...90 °C -13...194 °F

## Accuracy / deviations

Accuracy  $\pm (0.15 \text{ K} + 0.002 \times |t|)$

## Reaction times

Dynamic response T05 / T09 [s] 12 / 39 \*)

## Environment

Protection IP 67

## Mechanical data

Housing materials stainless steel 305/1.4303; copper nickel-plated

Weight [kg] 0.083

## Electrical connection

Connection PUR cable / 2 m;  
4 x 0.34 mm<sup>2</sup> (42 x Ø 0.1 mm); Ø 4.9 mm; halogen-free, with wire end ferrules



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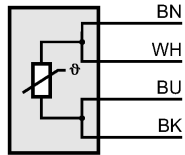


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## Wiring

Core colors

- BK black
- BN brown
- BU blue
- WH white



## Remarks

Remarks

\*) Values for a flat aluminium surface (anodised) using a conductive heat paste.  
Reference values for moving water (< 0.1 m/s): 10 (T05) / 24 (T09)

Pack quantity

[piece]

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