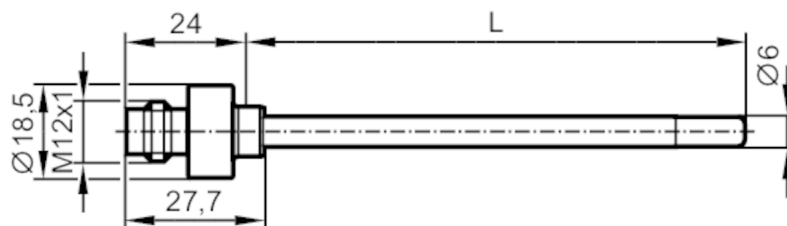


# TT4281



## Temperature probe sensor

TT-200KFBD06- /US/



L = Probe length corresponds to installation length EL



### Product characteristics

|                             |              |              |
|-----------------------------|--------------|--------------|
| Measuring range             | -40...150 °C | -40...302 °F |
| Process connection          | Ø 6 mm       |              |
| Installation length EL [mm] | 200          |              |

### Application

|                                 |                                        |  |
|---------------------------------|----------------------------------------|--|
| System                          | gold-plated contacts                   |  |
| Measuring element               | 1 x Pt 100; (to DIN EN 60751, class A) |  |
| Media                           | liquids and gases                      |  |
| Pressure rating [bar]           | 160                                    |  |
| Minimum installation depth [mm] | 15                                     |  |

### Electrical data

|                  |     |
|------------------|-----|
| Protection class | III |
|------------------|-----|

### Measuring/setting range

|                     |                           |
|---------------------|---------------------------|
| Probe length L [mm] | 200                       |
| Measuring range     | -40...150 °C -40...302 °F |

### Accuracy / deviations

|              |                             |
|--------------|-----------------------------|
| Accuracy [K] | $\pm (0,15 K + 0,002 x t )$ |
|--------------|-----------------------------|

### Reaction times

|                                |                                    |
|--------------------------------|------------------------------------|
| Dynamic response T05 / T09 [s] | 1 / 3; (according to DIN EN 60751) |
|--------------------------------|------------------------------------|

### Operating conditions

|                          |               |
|--------------------------|---------------|
| Ambient temperature [°C] | -25...80      |
| Storage temperature [°C] | -40...100     |
| Protection               | IP 68; IP 69K |

### Tests / approvals

|                      |                     |                     |
|----------------------|---------------------|---------------------|
| Shock resistance     | DIN EN 60068-2-2-27 | 50 g (11 ms)        |
| Vibration resistance | DIN EN 60068-2-6    | 10 g (10...2000 Hz) |
| MTTF [years]         | 22831               |                     |
| UL approval          | UL approval number  | K004                |

### Mechanical data

|            |      |                                 |
|------------|------|---------------------------------|
| Weight     | [g]  | 46.1                            |
| Dimensions | [mm] | Ø 6                             |
| Material   |      | stainless steel (1.4404 / 316L) |

TT4281



Temperature probe sensor

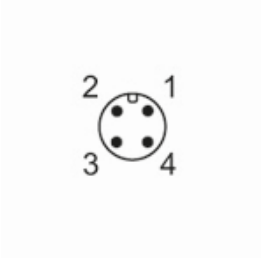
TT-200KFBD06- /US/

|                             |                                 |
|-----------------------------|---------------------------------|
| Materials (wetted parts)    | stainless steel (1.4404 / 316L) |
| Process connection          | Ø 6 mm                          |
| Probe diameter [mm]         | 6                               |
| Installation length EL [mm] | 200                             |

|               |                                                                                    |
|---------------|------------------------------------------------------------------------------------|
| Remarks       |                                                                                    |
| Remarks       | cULus - Class 2 source required<br>The values for accuracy apply to flowing water. |
| Pack quantity | 1 pcs.                                                                             |

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

