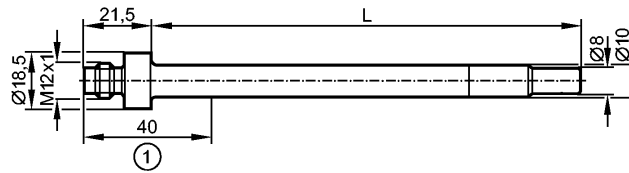


**TT2081**

TT-200KCED10-...../US/ /V

Temperature sensors



1: plug area

Made in Germany



**Product characteristics**

|   |
|---|
| Temperature sensor for connection to evaluation units   |
| Connector   |
| Installation length: 260 mm                             |
| Connection to control monitor TP / TR                   |
| Measuring range: -40...150 °C / -40...302 °F            |
| Measuring element: 1 x Pt 100, to DIN EN 60751, class A |

**Application**

|                                 |                   |
|---------------------------------|-------------------|
| Application                     | liquids and gases |
| Minimum installation depth [mm] | 15                |

**Electrical data**

|                               |         |
|-------------------------------|---------|
| Connection to control monitor | TP / TR |
| Protection class              | III     |

**Measuring / setting range**

|                         |                       |
|-------------------------|-----------------------|
| Measuring range [°C/°F] | -40...150 / -40...302 |
|-------------------------|-----------------------|

**Accuracy / deviations**

|          |                          |
|----------|--------------------------|
| Accuracy | ± (0.15 K + 0.002 x  t ) |
|----------|--------------------------|

**Reaction times**

|                                |          |
|--------------------------------|----------|
| Dynamic response T05 / T09 [s] | 1 / 3 *) |
|--------------------------------|----------|

**Environment**

|                          |                             |
|--------------------------|-----------------------------|
| Pressure rating [bar]    | 160                         |
| Ambient temperature [°C] | -25...80, for the plug area |
| Protection               | IP 68 / IP 69K              |

**Tests / approvals**

|                      |                    |                    |
|----------------------|--------------------|--------------------|
| Shock resistance     | DIN EN 60068-2-27: | 50 g (11 ms)       |
| Vibration resistance | DIN EN 60068-2-6:  | 5 g (10...2000 Hz) |
| MTTF [Years]         |                    | 22831              |

**Mechanical data**

|                          |                               |
|--------------------------|-------------------------------|
| Materials (wetted parts) | stainless steel 316L / 1.4404 |
| Probe diameter [mm]      | 10                            |
| Probe length L [mm]      | 260                           |
| Installation length [mm] | 260                           |
| Housing materials        | stainless steel 316L / 1.4404 |
| Weight [kg]              | 0.077                         |

**Electrical connection**

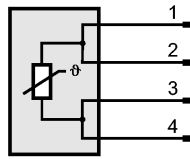
|            |                                     |
|------------|-------------------------------------|
| Connection | M12 connector; Gold-plated contacts |
|------------|-------------------------------------|

**Wiring**

## TT2081

TT-200KCED10-...../US/ /V

Temperature sensors



### Remarks

Remarks

\*) according to DIN EN 60751  
The values for accuracy apply to flowing water.  
cULus - Class 2 source required

Pack quantity

[piece]

1