

# TT1061



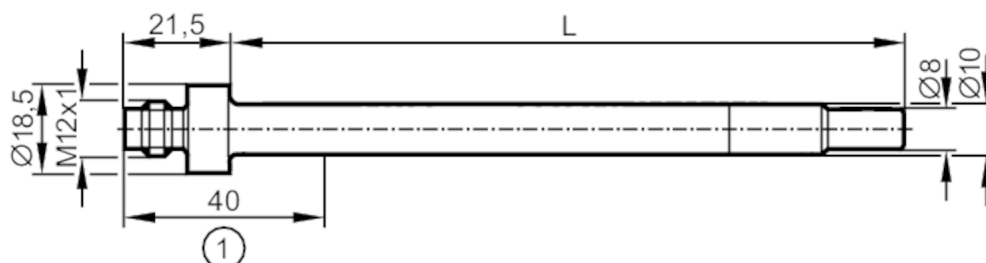
## Temperature probe sensor

TT-100KCED10- /US/ /V

Article no longer available - archive entry

Alternative articles: TT1291

When selecting an alternative article and accessories please note that technical data may differ!



1 plug area  
L = Probe length corresponds to installation length EL



### Product characteristics

|                             |              |              |
|-----------------------------|--------------|--------------|
| Measuring range             | -40...150 °C | -40...302 °F |
| Installation length EL [mm] | 160          |              |

### Application

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| System                          | gold-plated contacts                    |
| Measuring element               | 1 x Pt 1000; (to DIN EN 60751, class A) |
| Application                     | hygienic systems                        |
| 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] | 160          |              |
| 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      |
| Note on ambient temperature | plug area     |
| Storage temperature [°C]    | -40...100     |
| 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  | 10 g (10...2000 Hz) |

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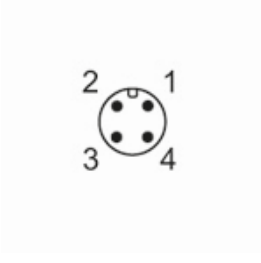
TT-100KCED10- /US/ /V

| Mechanical data                                   |      |                                 |
|---------------------------------------------------|------|---------------------------------|
| Weight                                            | [g]  | 52.8                            |
| Dimensions                                        | [mm] | Ø 10                            |
| Material                                          |      | stainless steel (1.4404 / 316L) |
| Materials (wetted parts)                          |      | stainless steel (1.4404 / 316L) |
| Surface characteristics Ra/Rz of the wetted parts |      | Ra: < 0.6                       |
| Probe diameter                                    | [mm] | 10                              |
| Installation length EL                            | [mm] | 160                             |

| Remarks       |                                                                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks       | The values for accuracy apply to flowing water.<br>The 3-A qualification is only valid if adapters with 3-A qualification are used for installation. |
| Pack quantity | 1 pcs.                                                                                                                                               |

Electrical connection

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



Connection

