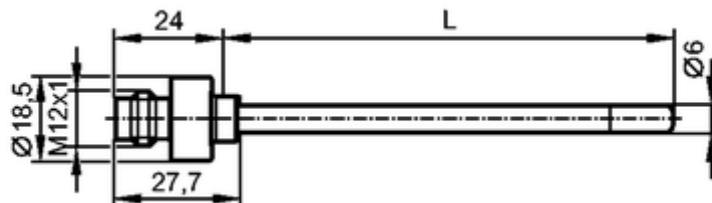


**efector600****TT0291**

TT-100KFED06- /US/

Temperature sensors



L = probe length (corresponds to installation length EL)

**Product characteristics**

Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V

Quick disconnect

Installation length EL: 100 mm

gold-plated contacts

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 (especially for application in hygienic systems)

Pressure rating [bar] 160

Minimum installation depth [mm] 15

**Electrical data**

Connection to control monitor TP / TR

Protection class III

**Measuring / setting range**

Measuring range -40...150 °C -40...302 °F

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

Dynamic response T05 / T09 [s] 1 / 3 \*

**Environment**

Ambient temperature [°C] -25...80

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)

MTTF [Years] 22831

**Mechanical data**

Materials (wetted parts) stainless steel 316L / 1.4404; surface characteristics: Ra &lt; 0.8 / electropolished

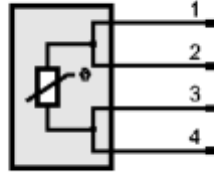
Probe diameter [mm] 6

|                             |                               |
|-----------------------------|-------------------------------|
| Probe length L [mm]         | 100                           |
| Installation length EL [mm] | 100                           |
| Housing materials           | stainless steel 316L / 1.4404 |
| Weight [kg]                 | 0.032                         |

### Electrical connection

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

### Wiring



### Remarks

|         |  |
|---------|--|
| Remarks | cULus - Class 2 source required<br>*) according to DIN EN 60751<br>The values for accuracy apply to flowing water. |
|---------|--|

|                       |   |
|-----------------------|---|
| Pack quantity [piece] | 1 |
|-----------------------|---|

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