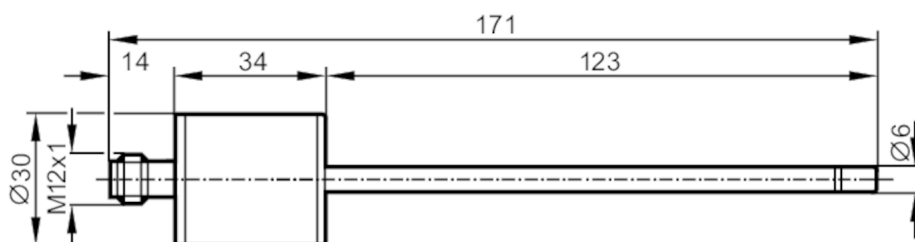




## Temperature transmitter

TA-123FLDD06-A-ZVG/US/

Article no longer available - archive entry



## Product characteristics

|                              |                               |            |
|------------------------------|-------------------------------|------------|
| Number of inputs and outputs | Number of analogue outputs: 1 |            |
| Measuring range              | -17.8...148.9 °C              | 0...300 °F |
| Process connection           | Ø 6 mm                        |            |
| Installation length EL [mm]  | 123                           |            |

## Application

|                                 |                                                                              |                      |
|---------------------------------|------------------------------------------------------------------------------|----------------------|
| Special feature                 | Gold-plated contacts                                                         |                      |
| Measuring element               | 1 x Pt 1000; (to DIN EN 60751, class A)                                      |                      |
| Media                           | liquids and gases                                                            |                      |
| Medium temperature              | < 150; (< 40 min) °C                                                         | < 302; (< 40 min) °F |
| Pressure rating [bar]           | 50                                                                           |                      |
| Note on pressure rating         | sensor                                                                       |                      |
|                                 | When mounted in adapters the specifications of the adapter data sheet apply. |                      |
| Minimum installation depth [mm] | 15                                                                           |                      |

## Electrical data

|                             |            |  |
|-----------------------------|------------|--|
| Operating voltage [V]       | 10...30 DC |  |
| Protection class            | III        |  |
| Reverse polarity protection | yes        |  |

## Inputs / outputs

|                              |                               |  |
|------------------------------|-------------------------------|--|
| Number of inputs and outputs | Number of analogue outputs: 1 |  |
|------------------------------|-------------------------------|--|

## Outputs

|                              |                 |  |
|------------------------------|-----------------|--|
| Total number of outputs      | 1               |  |
| Output signal                | analogue signal |  |
| Number of analogue outputs   | 1               |  |
| Analogue current output [mA] | 4...20          |  |
| Max. load [Ω]                | 500             |  |
| Overload protection          | yes             |  |

## Measuring/setting range

|                     |                  |            |
|---------------------|------------------|------------|
| Probe length L [mm] | 123              |            |
| Measuring range     | -17.8...148.9 °C | 0...300 °F |



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|                                                   |                           |                                                                                                     |
|---------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Resolution</b>                                 |                           |                                                                                                     |
| Resolution of analogue output                     | [K]                       | 0.02                                                                                                |
| <b>Accuracy / deviations</b>                      |                           |                                                                                                     |
| Precision analogue output                         | [K]                       | ± 0,4                                                                                               |
| Temperature coefficient<br>[% of the span / 10 K] |                           | < ± 0,1; (in case of deviation from the reference condition 25 ± 5 °C)                              |
| <b>Response times</b>                             |                           |                                                                                                     |
| Dynamic response T05 / T09                        | [s]                       | 1 / 3; (to DIN EN 60751)                                                                            |
| <b>Operating conditions</b>                       |                           |                                                                                                     |
| Ambient temperature                               | [°C]                      | -25...70                                                                                            |
| Storage temperature                               | [°C]                      | -40...100                                                                                           |
| Protection                                        |                           | IP 68; IP 69K                                                                                       |
| <b>Tests / approvals</b>                          |                           |                                                                                                     |
| EMC                                               | DIN EN 61000-4-2 ESD      | 4 kV CD / 8 kV AD                                                                                   |
|                                                   | EN 61000-4-3 HF radiated  | 10 V/m                                                                                              |
|                                                   | DIN EN 61000-4-4 Burst    | 2 kV                                                                                                |
|                                                   | DIN EN 61000-4-5 Surge    | 1 kV                                                                                                |
|                                                   | EN 61000-4-6 HF conducted | 10 V                                                                                                |
|                                                   |                           |                                                                                                     |
| Shock resistance                                  | DIN EN 60068-2-27         | 50 g (11 ms)                                                                                        |
| Vibration resistance                              | DIN EN 60068-2-6          | 10 g (10...2000 Hz)                                                                                 |
| <b>Mechanical data</b>                            |                           |                                                                                                     |
| Weight                                            | [g]                       | 166.5                                                                                               |
| Dimensions                                        | [mm]                      | Ø 30 / L = 171                                                                                      |
| Materials                                         |                           | stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); stainless steel (1.4305 / 303); PA |
| Materials (wetted parts)                          |                           | stainless steel (1.4404 / 316L)                                                                     |
| Process connection                                |                           | Ø 6 mm                                                                                              |
| Probe diameter                                    | [mm]                      | 6                                                                                                   |
| Installation length EL                            | [mm]                      | 123                                                                                                 |
| <b>Remarks</b>                                    |                           |                                                                                                     |
| Remarks                                           |                           | The values for accuracy apply to flowing water.                                                     |
| Pack quantity                                     |                           | 1 pcs.                                                                                              |
| <b>Electrical connection</b>                      |                           |                                                                                                     |

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



# TA3233

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### Connection

