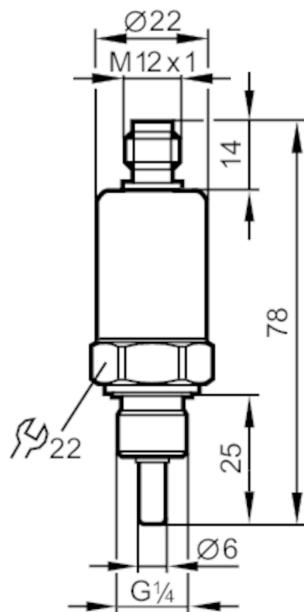




## Temperature transmitter

TY-025CFKR14-B-DKG

Article no longer available - archive entry



### Product characteristics

|                              |                                           |             |
|------------------------------|-------------------------------------------|-------------|
| Number of inputs and outputs | Number of analogue outputs: 1             |             |
| Measuring range              | 0...80 °C                                 | 32...176 °F |
| Process connection           | threaded connection G 1/4 external thread |             |

### Application

|                                 |                                         |  |
|---------------------------------|-----------------------------------------|--|
| Special feature                 | Gold-plated contacts                    |  |
| Measuring element               | 1 x Pt 1000; (to DIN EN 60751, class A) |  |
| Media                           | liquids and gases                       |  |
| Medium temperature [°C]         | -20...125                               |  |
| Pressure rating [bar]           | 400                                     |  |
| Minimum installation depth [mm] | 15                                      |  |

### Electrical data

|                             |                                         |  |
|-----------------------------|-----------------------------------------|--|
| Operating voltage [V]       | 14...32 DC; (to DIN EN 50178 SELV/PELV) |  |
| Protection class            | III                                     |  |
| Reverse polarity protection | yes                                     |  |
| Power-on delay time [s]     | 0.5                                     |  |

### 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               |  |

# TY9307



## Temperature transmitter

TY-025CFKR14-B-DKG

|                                |                               |                                                 |
|--------------------------------|-------------------------------|-------------------------------------------------|
| Analogue voltage output        | [V]                           | 0...10                                          |
| Min. load resistance           | [Ω]                           | 2000                                            |
| Short-circuit proof            |                               | yes                                             |
| Overload protection            |                               | yes                                             |
| <b>Measuring/setting range</b> |                               |                                                 |
| Probe length L                 | [mm]                          | 25                                              |
| Measuring range                | 0...80 °C                     | 32...176 °F                                     |
| <b>Resolution</b>              |                               |                                                 |
| Resolution of analogue output  | [K]                           | 0.1                                             |
| <b>Accuracy / deviations</b>   |                               |                                                 |
| Precision analogue output      | [K]                           | ± 0,5                                           |
| Temperature coefficient        | [X22]                         | < ± 0,15                                        |
| <b>Response times</b>          |                               |                                                 |
| Dynamic response T05 / T09     | [s]                           | 1,5 / 5; (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                               |
|                                | DIN 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                                            |
|                                | DIN 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              | 20 g (10...2000 Hz)                             |
| <b>Mechanical data</b>         |                               |                                                 |
| Weight                         | [g]                           | 97.8                                            |
| Materials                      |                               | stainless steel (1.4404 / 316L); PA             |
| Materials (wetted parts)       |                               | stainless steel (1.4404 / 316L); Sealing: FKM   |
| Tightening torque              | [Nm]                          | < 25                                            |
| Process connection             |                               | threaded connection G 1/4 external thread       |
| <b>Remarks</b>                 |                               |                                                 |
| Remarks                        |                               | The values for accuracy apply to flowing water. |
| Pack quantity                  |                               | 1 pcs.                                          |

# TY9307



## Temperature transmitter

TY-025CFKR14-B-DKG

### Electrical connection

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



### Connection

