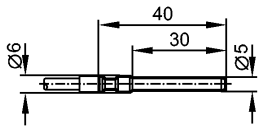
efector600

# TS325A

TS-300KEKD06...../3M/3D/3G

**Temperature sensors**




CE

| | | | |
|---|---|---|---|
| **Product characteristics** | | | |
| Temperature sensor for connection to evaluation units | | | |
| Ø 5 mm | | | |
| Cable | | | |
| ATEX approval | | | |
| Group II, category 3D/3G | | | |
| Measuring range: -20...80 °C / -4...176 °F, Measuring range for non-ATEX applications: -20...180 °C / -4...356 °F | | | |
| Measuring element: 1 x Pt 100, to DIN EN 60751, class B, operating current max. 10 mA | | | |
| **Application** | | | |
| Application | | liquids and gases | |
| Minimum installation depth | [mm] | 15 | |
| **Electrical data** | | | |
| Protection class | | III | |
| **Measuring / setting range** | | | |
| Measuring range | | -20...80 °C | -4...176 °F |
| Measuring range for non-ATEX applications | | -20...180 °C / -4...356 °F | |
| **Accuracy / deviations** | | | |
| Accuracy | | ± (0.30 K + 0.005 x \|t\|) | |
| **Reaction times** | | | |
| Dynamic response | T05 / T09 [s] | 4 / 10 *) | |
| **Environment** | | | |
| Ambient temperature | [°C] | -20...80 | |
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| Marking of the unit | | Ex II 3D Ex tc IIIC T100°C Dc X<br>Ex II 3G Ex nA IIC T5 Gc X | |
| MTTF | [Years] | 19348 | |
| **Mechanical data** | | | |
| Materials (wetted parts) | | stainless steel 316L / 1.4404 | |
| Probe diameter | [mm] | 5 / 6 | |
| Housing materials | | stainless steel 316L / 1.4404 | |
| Weight | [kg] | 0.088 | |
| **Electrical connection** | | | |
| Connection | | silicone cable / 3 m | |

**Wiring**

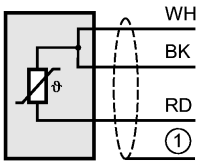
# TS325A

TS-300KEKD06...../3M/3D/3G

**Temperature sensors**

Core colors

| | |
|---|---|
| WH | white |
| BK | black |
| RD | red |




1 = screen (not connected to the housing)

## Remarks

| | |
|---|---|
| Remarks | *) according to DIN EN 60751<br>The values for accuracy apply to flowing water. |
| Pack quantity [piece] | 1 |