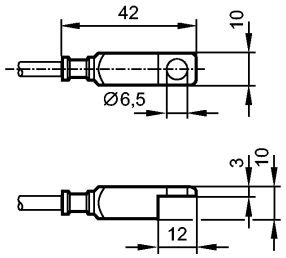
efector600

# TS522A

TS-500KEKD06...../5M/3D/3G

**Temperature sensors**




CE

| | | | |
|---|---|---|---|
| **Product characteristics** | | | |
| Temperature sensor for connection to evaluation units | | | |
| Bolt-on sensor 10 x 10 x 42 mm | | | |
| Cable | | | |
| ATEX approval | | | |
| Group II, category 3D/3G | | | |
| Measuring range: -20...115 °C / -4...239 °F, Measuring range for non-ATEX applications: -20...150 °C / -4...302 °F | | | |
| Measuring element: 1 x Pt 100, to DIN EN 60751, class A | | | |
| **Application** | | | |
| Application | | Contact sensor for solid bodies | |
| **Electrical data** | | | |
| Protection class | | III | |
| **Measuring / setting range** | | | |
| Measuring range | | -20...115 °C | -4...239 °F |
| Measuring range for non-ATEX applications | | -20...150 °C / -4...302 °F | |
| **Accuracy / deviations** | | | |
| Accuracy | | ± (0.15 K + 0.002 x \|t\|) | |
| **Reaction times** | | | |
| Dynamic response | T05 / T09 [s] | 13 / 39 | |
| **Environment** | | | |
| Protection | | IP 67 | |
| **Tests / approvals** | | | |
| Marking of the unit | | Ex II 3D Ex tc IIIC T135°C Dc X<br>Ex II 3G Ex nA IIC T4 Gc X | |
| MTTF | [Years] | 15221 | |
| **Mechanical data** | | | |
| Housing materials | | stainless steel 316L / 1.4404 | |
| Weight | [kg] | 0.226 | |
| **Electrical connection** | | | |
| Connection | | silicone cable / 5 m | |

**Wiring**

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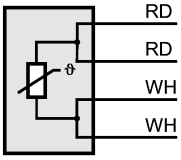
TS-500KEKD06...../5M/3D/3G

**Temperature sensors**

Core colors
RD red
WH white




## Remarks

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