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TT1281

TT-150KFBD06- /US/

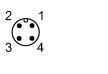
| TT-150KFBD06- /US/ | | | Temperature sensors | | | | |
|--|--|-----------------------|--|--|--|--|--|
| | | | | | | | |
| L = probe length (correspon | ds to instal | lation length EL) | | | | | |
| c(UL)us EC 1935/2004 | | | | | | | |
| LISTED | | | | | | | |
| Product characteristics | | | | | | | |
| Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V | | | | | | | |
| Quick disconnect | | | | | | | |
| Installation length EL: 150 mm | | | | | | | |
| gold-plated contacts | | | | | | | |
| Connection to control monitor TP / TR | | | | | | | |
| Measuring range: -40150 °C / -40302 °F Measuring element: 1 x Pt 100, to DIN EN 60751, class A | | | | | | | |
| Application | 100, 10 DIN | | | | | | |
| Application | | liquide and gases | | | | | |
| Pressure rating | [bar] | liquids and gases 160 | | | | | |
| Minimum installation depth | [bɑ.] | 160 | | | | | |
| Electrical data | [] | | 10 | | | | |
| Connection to control monit | or | TP / TR | | | | | |
| Protection class | | | III | | | | |
| | | | | | | | |
| Measuring / setting range | <u>,</u> | | | | | | |
| Measuring / setting range Measuring range | 2 | -40150 °C | -40302 °F | | | | |
| Measuring range | ; | -40150 °C | -40302 °F | | | | |
| | ; | | -40302 °F 5 K + 0.002 x t) | | | | |
| Measuring range Accuracy / deviations Accuracy | • | | | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times | 5 / T09 [s] | | | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times | | | 5 K + 0.002 x t) | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 | | | 5 K + 0.002 x t) | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment | 5 / T09 [s] | ± (0.1 | 5 K + 0.002 x t) 1 / 3 *) | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment Ambient temperature | 5 / T09 [s] | ± (0.1 | 5 K + 0.002 x t) 1 / 3 *) -2580 | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment Ambient temperature Protection | 5 / T09 [s] | ± (0.1 | 5 K + 0.002 x t) 1 / 3 *) -2580 | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment Ambient temperature Protection Tests / approvals | 5 / T09 [s] | ± (0.1 | 5 K + 0.002 x t) 1 / 3 *) -2580 2 68 / IP 69K 50 g (11 ms) | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistance | 5 / T09 [s] [°C] | ± (0.11) | 5 K + 0.002 x t) 1 / 3 *) -2580 2 68 / IP 69K | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF | 5 / T09 [s] | ± (0.1) | 5 K + 0.002 x t) 1 / 3 *) -2580 9 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance | 5 / T09 [s] [°C] | ± (0.1) | 5 K + 0.002 x t) 1 / 3 *) -2580 9 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical data | 5 / T09 [s] [°C] | ± (0.1) | 5 K + 0.002 x t) 1 / 3 *) -2580 - 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts) | 5 / T09 [s] [°C] [Years] | ± (0.1) | 5 K + 0.002 x t) 1 / 3 *) -2580 9 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)Probe diameter | 5 / T09 [s] [°C] [Years] | ± (0.1) | 5 K + 0.002 x t) 1 / 3 *) -2580 -2580 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 6 | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)Probe diameterProbe length L | 5 / T09 [s] [°C] [Years] [mm] [mm] | ± (0.14 | 5 K + 0.002 x t) 1 / 3 *) -2580 -2580 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 6 150 | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)Probe diameterProbe length LInstallation length EL | 5 / T09 [s] [°C] [Years] [mm] [mm] | ± (0.14 | 5 K + 0.002 x t) 1 / 3 *) -2580 -2580 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 6 150 150 150 | | | | |
| Measuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)Probe diameterProbe length LInstallation length ELHousing materials | 5 / T09 [s] [°C] [Years] [mm] [mm] [mm] | ± (0.14 | 5 K + 0.002 x t) 1 / 3 *) -2580 -2580 -68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 6 150 150 steel 316L / 1.4404 | | | | |
| Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe diameter Probe length L Installation length EL Housing materials Weight | 5 / T09 [s] [°C] [Years] [mm] [mm] [mm] | ± (0.14 | 5 K + 0.002 x t) 1 / 3 *) -2580 -2580 -68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 6 150 150 steel 316L / 1.4404 | | | | |

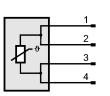
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TT1281

TT-150KFBD06- /US/

Temperature sensors





[piece]

| F | Re | ma | ar | ks |
|---|----|----|----|----|
| | | | | |

Remarks

Pack quantity

cULus - Class 2 source required *) according to DIN EN 60751 The values for accuracy apply to flowing water. 1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — TT1281 — 22.02.2011