efectorsod

TT0281

TT-100KFBD06- /US/

TT-100KFBD06- /US/			Temperature sensors
L = probe length (corresponds	to insta	llation length EL)	
c(UL)us EC 1935/2004			
LISTED			
Product characteristics			
	ection to	a control monitor with a max. operating	g voltage of 32 V
Quick disconnect			
Installation length EL: 100 mm	1		
gold-plated contacts			
Connection to control monitor		002 °F	
Measuring range: -40150 °C Measuring element: 1 x Pt 100			
	סווע סוו,	EN 00751, Class A	
Application Application		liqui	ds and gases
Pressure rating	[bar]		160
Minimum installation depth	[mm]		15
Electrical data	[11111]		15
Connection to control monitor			TP / TR
Protection class			
Protection class			
Measuring / setting range		-40150 °C	
Measuring / setting range Measuring range		-40150 °C	-40302 °F
Measuring / setting range Measuring range Accuracy / deviations			-40302 °F
Measuring / setting range Measuring range Accuracy / deviations Accuracy			
Measuring / setting range Measuring range Accuracy / deviations Accuracy Reaction times	T09 [s]		-40302 °F
Measuring / setting range Measuring range Accuracy / deviations Accuracy Reaction times	T09 [s]		-40302 °F
Measuring / setting range Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 / T	T09 [s] [°C]		-40302 °F
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironment		± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *)
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperature		± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtection		± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvals		± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistance	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms)
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTF		± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz)
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistance	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz)
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTF[Mechanical data	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / 1EnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)Probe diameter	[°C] [Years]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 steel 316L / 1.4404 6
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMaterials (wetted parts)Probe diameterProbe length L	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 Steel 316L / 1.4404 6 100
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMechanical dataMaterials (wetted parts)Probe diameterProbe length LInstallation length EL	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 Steel 316L / 1.4404 6 100 100
Measuring / setting rangeMeasuring rangeAccuracy / deviationsAccuracyReaction timesDynamic responseT05 / TEnvironmentAmbient temperatureProtectionTests / approvalsShock resistanceVibration resistanceMTTFMaterials (wetted parts)Probe diameterProbe length LInstallation length ELHousing materials	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 Steel 316L / 1.4404 6 100 100 Steel 316L / 1.4404
Measuring / setting range Measuring range Accuracy / deviations Accuracy Reaction times Dynamic response T05 / T Environment Ambient temperature Protection Tests / approvals Shock resistance Vibration resistance MTTF Mechanical data Materials (wetted parts) Probe length L Installation length EL Housing materials Weight	[°C]	± (0.15	-40302 °F 5 K + 0.002 x t) 1 / 3 *) -2580 68 / IP 69K 50 g (11 ms) 10 g (102000 Hz) 22831 Steel 316L / 1.4404 6 100 100 Steel 316L / 1.4404



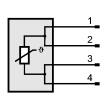
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TT-100KFBD06- /US/

Temperature sensors





Remarks

Remarks

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

 Pack quantity
 [piece]
 1

 ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — TT0281 — 09.05.2012