

TT2181



Temperature probe sensor

TT-200KBBD08- I/US/ IV

Article no longer available - archive entry

Alternative articles: TT2281 or TT2081

When selecting an alternative article and accessories please note that technical data may differ!



1 plug area
L = Probe length corresponds to installation length EL



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Installation length EL [mm]	260	

Application

System	gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating [bar]	160	
Minimum installation depth [mm]	15	

Electrical data

Protection class	III	
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Measuring/setting range

Probe length L [mm]	260	
Measuring range	-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy [K]	± (0,15 K + 0,002 x t)	
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Reaction times

Dynamic response T05 / T09 [s]	1 / 3; (according to DIN EN 60751)	
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Operating conditions

Ambient temperature [°C]	-25...80	
Note on ambient temperature	plug area	
Storage temperature [°C]	-40...100	
Protection	IP 68; IP 69K	

Tests / approvals

Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)

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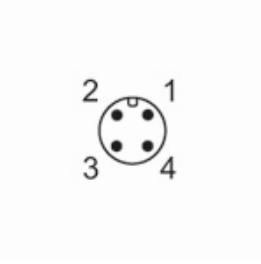
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Mechanical data		
Weight	[g]	0.066
Dimensions	[mm]	Ø 8
Material		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Probe diameter	[mm]	8
Installation length EL	[mm]	260

Remarks		
Remarks		cULus - Class 2 source required
		The values for accuracy apply to flowing water.
Pack quantity		1 pcs.

Electrical connection

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



Connection

