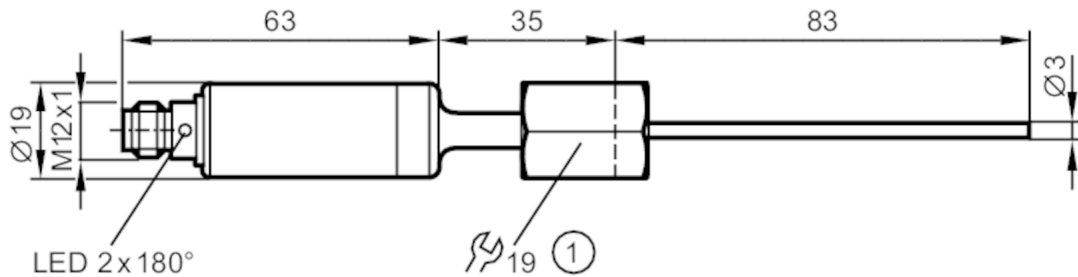


TA1327



Temperature transmitter

TA-083C7EM38- A-ZVG/US



1 G 3/8 internal thread



Application

Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)
Media	liquids and gases

Electrical data

Operating voltage [V]	18...32 DC; ("supply class 2" to cULus)
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	2

Outputs

Total number of outputs	1
Output signal	analogue signal; IO-Link; (configurable)
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	250; ((18...19 V); 19...32 V: 300 Ω)
Short-circuit protection	yes
Overload protection	yes

Measuring/setting range

Measuring range [°C]	-50...200
Factory setting	0...100°C

Resolution

Resolution of analogue output [K]	0.04
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Accuracy / deviations

Precision analogue output [K]	± 0,3 + (± 0,1 % MS)
Temperature coefficient [% of the span / 10 K]	0,1; (in case of deviation from the reference condition 25 ± 5 °C)

Response times

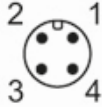
Dynamic response T05 / T09 [s]	< 0,25 / < 1
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Temperature transmitter

TA-083C7EM38- A-ZVG/US

Interfaces		
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
Operating conditions		
Ambient temperature [°C]	-25...80	
Note on ambient temperature	at medium temperature: < 160 °C	
	-25...60 °C	
	at medium temperature: < 200 °C	
Storage temperature [°C]	-40...100	
Protection	IP 67; IP 68; IP 69K	
Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	10 g (10...2000 Hz)
MTTF [years]	334	
UL approval	UL Approval no.	K002
Mechanical data		
Weight [g]	176	
Housing	suitable for thermowell mounting	
Materials	stainless steel (1.4404 / 316L); stainless steel (1.4122); PEI; FKM	
Tightening torque [Nm]	10	
Process connection	threaded connection G 3/8 internal thread \$Ueberwurfmutter_gefedert	
Probe diameter [mm]	3	
Installation length EL [mm]	83	
Remarks		
Remarks	MS = set measuring span The values for accuracy apply to flowing water.	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12		
		

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Connection

