

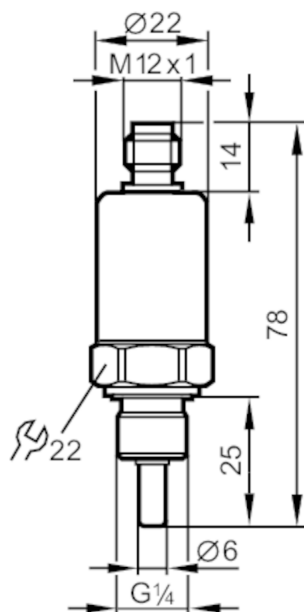
TY9307

Temperature transmitter

TY-025CFKR14-B-DKG



Status Archive



Application

Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)
Media	liquids and gases
Medium temperature [°C]	-20...125
Pressure rating [bar]	400
Minimum installation depth [mm]	15

Electrical data

Operating voltage [V]	14...32 DC; (to DIN EN 50178 SELV/PELV)
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	0.5

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1
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Outputs

Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue voltage output [V]	0...10
Min. load resistance [Ω]	2000
Short-circuit proof	yes
Overload protection	yes

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Measuring/setting range		
Probe length L	[mm]	25
Measuring range		0...80 °C32...176 °F
Resolution		
Resolution of analogue output	[K]	0.1
Accuracy / deviations		
Precision analogue output	[K]	± 0,5
Temperature coefficient [% of the span / 10 K]		< ± 0,15
Response times		
Dynamic response T05 / T09	[s]	1,5 / 5; (to DIN EN 60751)
Operating conditions		
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-40...100
Protection		IP 68; IP 69K
Tests / approvals		
EMC	DIN EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	DIN EN 61000-4-3 HF radiated	10 V/m
	DIN EN 61000-4-4 Burst	2 kV
	DIN EN 61000-4-5 Surge	1 kV
	DIN EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF	[years]	1068
Mechanical data		
Weight	[g]	97.8
Materials		stainless steel (1.4404 / 316L); PA
Materials (wetted parts)		stainless steel (1.4404 / 316L); Sealing: FKM
Tightening torque	[Nm]	< 25
Process connection		threaded connection G 1/4 external thread
Remarks		
Remarks	The values for accuracy apply to flowing water.	
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; Contacts: gold-plated



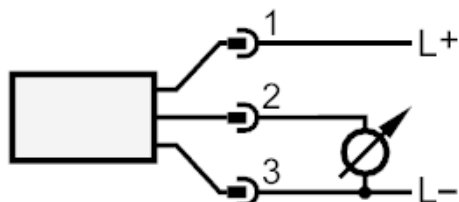
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Connection



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