

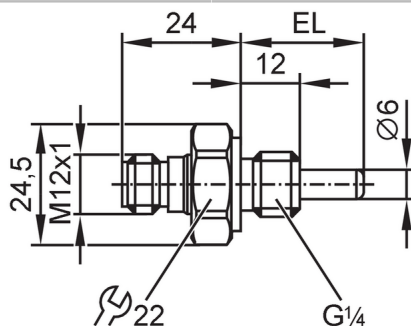
# TM4101



## Temperature sensor with process connection

TM-025KFBR14-

/US/



Product characteristics		
Measuring range	-40...150 °C	-40...302 °F
Process connection	threaded connection G 1/4 external thread	
Installation length EL	[mm]	25
Application		
Special feature	gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating	400 bar	40 MPa
Electrical data		
Protection class	III	
Measuring/setting range		
Probe length L	[mm]	12
Measuring range	-40...150 °C	-40...302 °F
Accuracy / deviations		
Accuracy	[K]	± (0,15 K + 0,002 x t )
Reaction times		
Dynamic response T05 / T09	[s]	1 / 3; (according to DIN EN 60751)
Operating conditions		
Ambient temperature	[°C]	-25...80
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	20 g (10...2000 Hz)
MTTF	[years]	22831.05
Mechanical data		
Weight	[g]	61
Housing	tubular	
Dimensions	[mm]	Ø 24.5 / L = 48
Material	stainless steel (1.4404 / 316L)	
Materials (wetted parts)	stainless steel (1.4404 / 316L); FKM	

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Tightening torque	[Nm]	35
Process connection		threaded connection G 1/4 external thread
Probe diameter	[mm]	6
Installation length EL	[mm]	25

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: 4, gold-plated



### Connection

