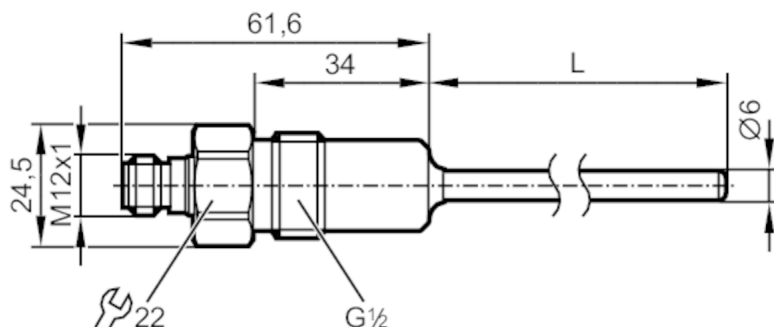




## Temperature sensor with process connection

TM-020KFER12-

/US/



L = probe length corresponds to installation length EL



### Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	threaded connection G 1/2 sealing cone	
Installation length EL [mm]	20	

### Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating	[bar]	160
Note on pressure rating	sensor	
When mounted in adapters the specifications of the adapter data sheet apply.		
Minimum installation depth	[mm]	15

### Electrical data

Protection class	III
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### Measuring/setting range

Probe length L	[mm]	20	
Measuring range		-40...150 °C	-40...302 °F

### Accuracy / deviations

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

Dynamic response T05 / T09 [s]	1 / 3; (to DIN EN 60751)
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### 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	10 g (10...2000 Hz)
MTTF [ANN]	22831.05	

### Mechanical data

Weight [g]	132.5
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# TM4591



## Temperature sensor with process connection

TM-020KFER12- /US/

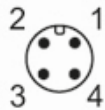
Materials	stainless steel (1.4404 / 316L)
Materials (wetted parts)	stainless steel (1.4404 / 316L) electropolished
Tightening torque [Nm]	30...50
Process connection	threaded connection G 1/2 sealing cone
Surface characteristics Ra/Rz of the wetted parts	Ra: < 0.8
Probe diameter [mm]	6
Installation length EL [mm]	20

### Remarks

Remarks	operating voltage "supply class 2" according to cULus The values for accuracy apply to flowing water.
Pack quantity	1 pcs.

### Electrical connection

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



### Connection

