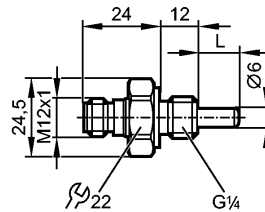


TM4101

TM-025KFBR14- /US/

Temperature sensors



Product characteristics

Temperature sensor for connection to a control monitor with a max. operating voltage of 32 V

Quick disconnect

Process connection: G ¼

Installation length EL: 25 mm

gold-plated contacts

Connection to control monitor TP / TR

Measuring range: -40...150 °C / -40...302 °F

Measuring element: 1 x Pt 100, to DIN EN 60751, class A

Application

Application liquids and gases

Pressure rating [bar] 400

Minimum installation depth [mm] 15

Electrical data

Connection to control monitor TP / TR

Protection class III

Measuring / setting range

Measuring range -40...150 °C -40...302 °F

Accuracy / deviations

Accuracy $\pm (0.15 K + 0.002 \times |t|)$

Reaction times

Dynamic response T05 / T09 [s] 1 / 3 *)

Environment

Ambient temperature [°C] -25...80

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

Process connection G ¼

Materials (wetted parts) stainless steel 316L / 1.4404; FPM (Viton)

Probe diameter [mm] 6

Probe length L [mm] 12

Installation length EL [mm] 25

Housing materials stainless steel 316L / 1.4404

Weight [kg] 0.06

TM4101

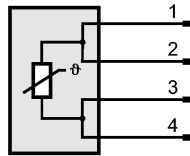
TM-025KFBR14- /US/

Temperature sensors

Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring



Remarks

Remarks	cULus - Class 2 source required *) according to DIN EN 60751 The values for accuracy apply to flowing water.
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Pack quantity	[piece]	1
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