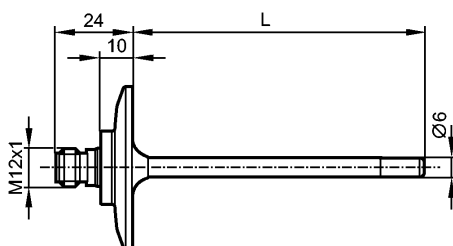


TM4801

TM-030KFEC01- /US/

Temperature sensors



Made in Germany

Product characteristics

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

Connector

 Process connection: Clamp 1-1.5"
 ISO 2852

Installation length: 30 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 (especially for application in hygienic systems)

Minimum installation depth [mm] 15

Electrical data

Connection to control monitor TP / TR

Protection class III

Measuring / setting range

Measuring range [°C/°F] -40...150 / -40...302

Accuracy / deviations

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

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

Environment

Pressure rating [bar] 25

Ambient temperature [°C] -25...80

Protection IP 68 / IP 69K

Tests / approvals

Shock resistance DIN EN 60068-2-2-27: 50 g (11 ms)

Vibration resistance DIN EN 60068-2-6: 10 g (10...2000 Hz)

MTTF [Years] 22831

Mechanical data

 Process connection Clamp 1-1.5"
 ISO 2852

Materials (wetted parts) stainless steel 316L / 1.4404; surface characteristics: Ra < 0.8 / electropolished

Probe diameter [mm] 6

Probe length L [mm] 30

Installation length [mm] 30

TM4801

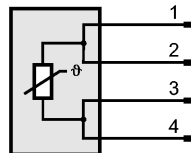
TM-030KFEC01- /US/

Temperature sensors

Housing materials	stainless steel 316L / 1.4404
Weight [kg]	0.18

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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