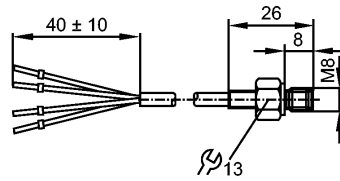


TS285A

TS-200KLKM08..../3D/3G

Temperature sensors



CE

Product characteristics

Temperature sensor for connection to evaluation units
Screw-in sensor M8
Cable
ATEX approval
Group II, category 3D/3G
Measuring range: -20...115 °C / -4...239 °F, Measuring range for non-ATEX applications: -20...150 °C / -4...302 °F
Measuring element: 1 x Pt 100, to DIN EN 60751, class A, operating current max. 10 mA

Application

Application	Contact sensor for solid bodies
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Electrical data

Operating voltage [V]	< 6 DC
Protection class	III

Measuring / setting range

Measuring range	-20...115 °C	-4...239 °F
Measuring range for non-ATEX applications	-20...150 °C / -4...302 °F	

Accuracy / deviations

Accuracy	± (0.15 K + 0.002 x t)
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Reaction times

Dynamic response T05 / T09 [s]	8 / 20 *)
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Environment

Protection	IP 67
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Tests / approvals

Marking of the unit	Ex II 3D Ex tc IIIC T135°C Dc X Ex II 3G Ex nA IIC T4 Gc X
MTTF [Years]	22831

Mechanical data

Housing materials	stainless steel 316L / 1.4404
Weight [kg]	0.107

TS285A

TS-200KLKM08..../3D/3G

Temperature sensors

Electrical connection

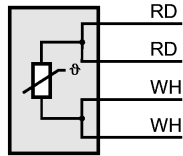
Connection	silicone cable / 2 m; 4 x 0.34 mm ²
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Wiring

Core colors

RD red

WH white



Remarks

Remarks	*) for water (70°C; 0.04 m/s)
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Pack quantity	[piece]	1
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