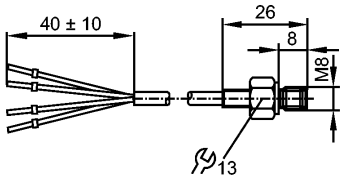
efector600

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	
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|)	
Reaction times			
Dynamic response	T05 / T09 [s]	8 / 20 *)	
Environment			
Protection		IP 67	
Tests / approvals			
Marking of the unit		II 3D Ex tc IIIC T135°C Dc X 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

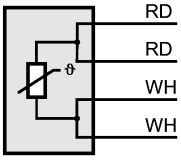
Connection	silicone cable / 2 m; 4 x 0.34 mm²

Wiring

Core colors

RD red

WH white



Remarks

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