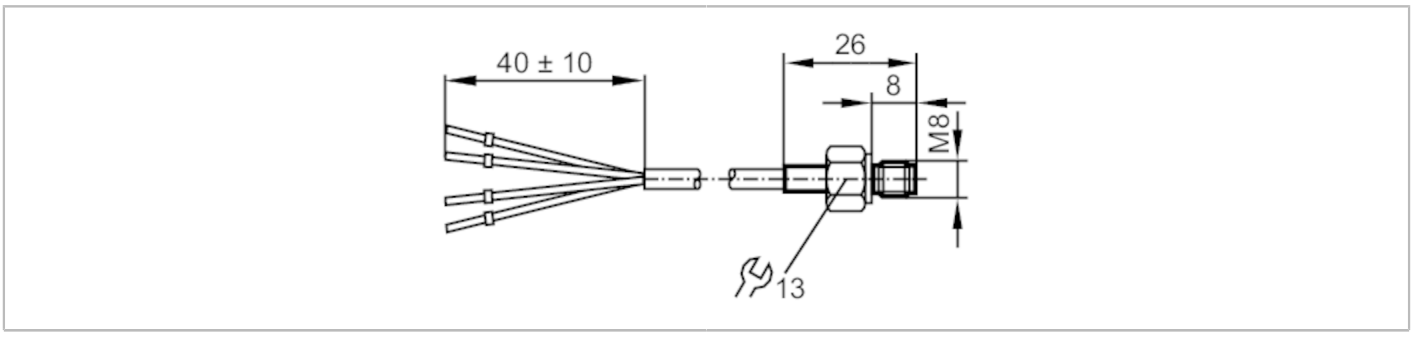
TS285A

Temperature cable sensor with screw-in sensor

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



Product characteristics			
Measuring range		-20...115 °C	-4...239 °F
Process connection		threaded connection M8 external thread	
Application			
Measuring element		1 x Pt 100; (to DIN EN 60751, class A; operating current max. 10 mA)	
Installation		Contact sensor for solid bodies	
Electrical data			
Operating voltage	[V]	< 6 DC	
Insulation rating	[V]	2500; (Insulation between sensor housing and internal)	
Protection class		III	
Measuring/setting range			
Measuring range		-20...115 °C	-4...239 °F
Note on measuring range		Measuring range for non-ATEX applications: -20...150 °C / -4...302 °F	
Accuracy / deviations			
Accuracy	[K]	± (0,15 K + 0,002 x|t|)	
Reaction times			
Dynamic response T05 / T09	[s]	8 / 20; (for water (70 °C; 0,04 m/s))	
Operating conditions			
Protection		IP 67	
Tests / approvals			
ATEX marking		II 3D Ex tc IIIC T135°C Dc X	
		II 3G Ex nA IIC T4 Gc X	
MTTF	[years]	14269.4	
Mechanical data			
Weight	[g]	111.05	
Housing		screw-in sensor	
Dimensions	[mm]	M8	
Thread designation		M8	
Material		stainless steel (1.4404 / 316L)	
Process connection		threaded connection M8 external thread	
Remarks			
Pack quantity		1 pcs.	

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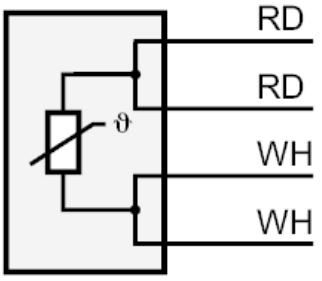
Electrical connection

Cable: 2 m, silicone; 4 x 0.34 mm²

Connection



	Core colors :
RD =	red
WH =	white