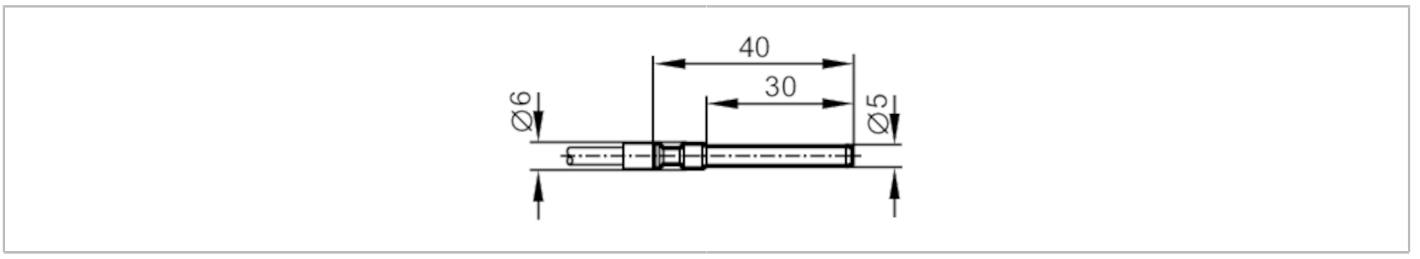
TS325A

Temperature cable sensor with process connection

TS-300KEKD06...../3M/3D/3G



Product characteristics			
Measuring range		-20...80 °C	-4...176 °F
Process connection		Ø 5 mm	
Application			
Special feature		Screened cable	
Measuring element		1 x Pt 100; (to DIN EN 60751, class B; operating current max. 10 mA)	
Media		liquids and gases	
Minimum installation depth	[mm]	15	
Electrical data			
Insulation rating	[V]	2500; (insulation between sensor housing and internal structure of the sensor)	
Protection class		III	
Measuring/setting range			
Measuring range		-20...80 °C	-4...176 °F
Note on measuring range		measuring range for non-ATEX applications: -20...180 °C / -4...356 °F	
Accuracy / deviations			
Accuracy	[K]	± (0,30 K + 0,005 x|t|)	
Response times			
Dynamic response T05 / T09	[s]	4 / 10; (to DIN EN 60751)	
Operating conditions			
Ambient temperature	[°C]	-20...80	
Protection		IP 67	
Tests / approvals			
ATEX marking		II 3D Ex tc IIIC T100°C Dc X	
		II 3G Ex nA IIC T5 Gc X	
MTTF	[years]	19025.9	
Mechanical data			
Weight	[g]	88.6	
Dimensions	[mm]	Ø 5 / L = 40	
Materials		stainless steel (316L/1.4404)	
Materials (wetted parts)		stainless steel (316L/1.4404)	
Process connection		Ø 5 mm	
Probe diameter	[mm]	5	
Remarks			
Remarks		The values for accuracy apply to flowing water.	

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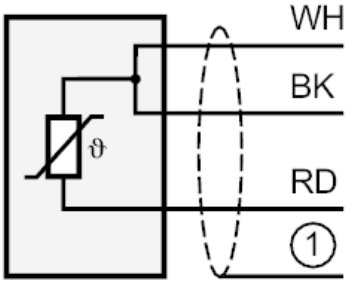
Pack quantity	1 pcs.

Electrical connection

Cable: 3 m, silicone, shielded

Connection



1 =	screen not connected to the housing
	Core colours :
WH =	white
BK =	black
RD =	red