TS325A

Temperature cable sensor with process connection

TS-300KEKD06...../3M/3D/3G
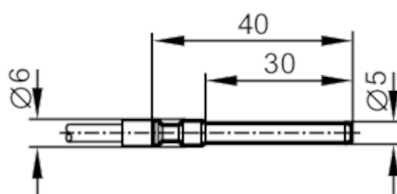
Product characteristics		
Measuring range	-20...80 °C	-4...176 °F
Process connection	Ø 5 mm	

Application		
System	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)	
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|)	

Reaction times		
Dynamic response T05 / T09 [s]	4 / 10; (according to DIN EN 60751)	

Operating conditions		
Ambient temperature [°C]	-20...80	
Protection	IP 67	

Tests / approvals		
ATEX marking	⟨Ex⟩ II 3D Ex tc IIIC T100°C Dc X	
	⟨Ex⟩ II 3G Ex nA IIC T5 Gc X	
MTTF [years]	19025.9	

Mechanical data		
Weight [g]	88.6	
Dimensions [mm]	Ø 5 / L = 40	
Material	stainless steel (1.4404 / 316L)	
Materials (wetted parts)	stainless steel (1.4404 / 316L)	
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, screened

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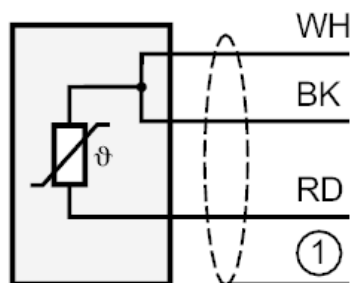
1 =	screen not connected to the housing
	Core colors :
WH =	white
BK =	black
RD =	red