



TECHNICAL DATA

process connection	G1/2"
measuring range	-30°C...180°C
response time	T05=6sec/ T09=18sec *1
material (process-intrusive)	1.4404/1.4571 (316L/316Ti)
connection wire (cable-jacket/wire)	silicone/silicone 180°C, 2x0,34mm ² , CuSn *2
protection category	IP67 according to DIN EN 60529
outer diameter tube D	6 mm
minimum immersion depth	20mm
across flats	AF27
insulation resistance	500V
colour of cable	black/anthracite

AMBIENT CONDITIONS

operating temperature	-30°C...180°C
dew-point-resistance	no
installation instructions	For mounting in a suitable mounting application

MISCELLANEOUS

labelling	by engraving of housing, "batch-no"
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TYPE KEY CONFIGURATION

Pos.:	Physical characteristics	Key	Characteristic
1	installation length "EL"	A0	20mm
		A1	35mm
		A2	75mm

Pos.:	Physical characteristics	Key	Characteristic
2	sensorelement-type	B0	Pt100, tolerance class B according to DIN EN 60751
		B1	Pt100, tolerance class A according to DIN EN 60751
		B2	Pt100, tolerance class AA according to DIN EN 60751
		B3	Pt1000, tolerance class B according to DIN EN 60751
		B4	Pt1000, tolerance class A according to DIN EN 60751
		B5	Pt1000, tolerance class AA according to DIN EN 60751
		B6	NTC 5K@25°C B25/85=3977 B±1%/R±1% *3
		B7	NTC 10K@25°C B25/85=3977 B±1%/R±1% *3
		B8	NTC 10K@25°C B25/85=3435 B±1%/R±1% *3
		B9	KTY81-210
		B10	KTY84-130
		B11	KTY81-121
B12	KTY81-110		
3	cable length KL	C0	1000mm-50+100 *4
		C1	1500mm-50+100 *4
		C2	2000mm-50+100 *4
		C3	2500mm-50+100 *4
		C4	5000mm -100+200 *4
4	sensor connection	D0	wire end sleeves orange 0,5mm ²
		D1	wire end sleeves grey 0,75mm ²
		D2	wire ends tinned

EXISTING CONFIGURATIONS

Type	Order number	Item number	Old order number
TE6-G1/2	<u>TE6-G1/2-A1B8C0D2</u>	800-857	

REMARKS

*1 measured in water 70°C, 0,04m/sec

*2 halogen-free

*3 !!! CAUTION: This sensor element can only be loaded up to 125°C (short-term 150°C). The maximum temperature of the sensor is affected by this restriction!!!

*4 stripping length AL=40mm +10-10

We reserve the right to make technical modifications and correction at any time without prior notice!

This version of the data / type sheet is a translation by a partner. We assume no liability for translation errors. If the translation contains errors or ambiguities, the German version of the data / type sheet is to be used.

REVISION

Version	Effective from	Comment
<u>1.2</u>	24.02.2017 09:39:19	Update drawing
<u>2.0</u>	08.01.2015 14:40:10	Änderung PSO/ 8.1.15: Zeichnung/neue Einbaulänge
<u>1.0</u>	19.08.2014 12:45:00	Typenblatt angelegt