



**technical data**

measuring range	-30°C...180°C
response time	T05=6sec/ T09=18sec *1
outer diameter tube D	6mm
material (process-intrusive)	V2A/V4A
connection wire (cable-jacket/wire)	silicone/silicone 180°C, 2x0,34mm <sup>2</sup> , CuSn
protection category	IP67 according to DIN EN 60529
insulation resistance	500V
tensile strain (cable to sleeve)	max 20N
colour of cable	black/anthracite

**ambient conditions**

application area	liquid and gaseous media
storage temperature	-30°C...70°C
process pressure	max 20bar *2
dew-point-resistance	no

**Miscellaneous**

labelling	by engraving on sleeve, "batch-no+WW/YY"
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**Type key configuration**

Pos.:	Physical characteristics	Key	Characteristic
1	length of sleeve HL	A0	27mm
		A1	35mm
		A2	40mm
		A3	45mm
		A4	60mm
		A5	70mm
		A6	100mm

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 10K@25°C B25/85=3977 B±1%/R±1% *3
		B7	NTC 5K@25°C B25/85=3977 B±1%/R±1% *4
		B8	NTC 10K@25°C B25/85=3435 B±1%/R±1% *4
		B9	NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% *5
		B10	NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *4
		B11	NTC 20K@25°C B25/85=3970 B±1%/R±1% *5
		B12	KTY81-210
		B13	KTY84-130
		B14	KTY81-121
		B15	KTY81-110
		B16	NI100 tolerance class B, TK6180
B17	NI1000 tolerance class B, TK6180		
3	cable length KL	C0	310mm -5+25 *6
		C1	355mm -5+25 *6
		C2	500mm-10+40 *7
		C3	800mm -50+100 *7
		C4	1000mm-50+100 *7
		C5	1500mm-50+100 *7
		C6	2000mm-50+100 *7
		C7	2500mm-50+100 *7
		C8	3000mm -50+100 *7
		C9	4000mm -50+100 *7
		C10	5000mm -100+200 *7
		C11	6000mm -100+200 *7
		C12	8500mm -100+200 *7
C13	10000mm -200+400 *7		

Pos.:	Physical characteristics	Key	Characteristic
4	sensor connection	D0	wire end sleeves grey 0,75mm <sup>2</sup>
		D1	wire end sleeves orange 0,5mm <sup>2</sup>
		D2	wire end sleeves turquoise 0,34mm <sup>2</sup>
		D3	wire ends tinned
5	bend-protection spring	E0	no
		E1	bend-protection spring L=55mm, material 1.4310

### Existing configurations

Type	Order number	Item number	Old order number
TT6	<a href="#">TT6-A3B3C10D0E0</a>	800-347	
TT6	<a href="#">TT6-A3B15C10D0E0</a>	800-495	
TT6	<a href="#">TT6-A3B3C8D0E0</a>	800-373	
TT6	<a href="#">TT6-A3B0C5D0E0</a>	800-182	
TT6	<a href="#">TT6-A3B3C7D0E0</a>	800-144	
TT6	<a href="#">TT6-A3B3C6D0E0</a>	800-178	
TT6	<a href="#">TT6-A3B3C5D0E0</a>	800-143	
TT6	<a href="#">TT6-A3C5D0E0B7</a>	800-148	
TT6	<a href="#">TT6-A3B4C8D0E0</a>	800-531	
TT6	<a href="#">TT6-A3B6C6D1E0</a>	800-629	
TT6	<a href="#">TT6-A3B0C4D0E0</a>	800-181	

### Remarks

\*1 measured in water 70°C, 0,04m/sec

\*2 using a suitable compression gland. The user has to check the combination of union and sensor. A shearing off of the sleeve material may not occur. The figure is based on values determined in the laboratory at room temperature and static pressure. Extended specification on request.

\*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!!!

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\*5 NTC glas encapsulated, Tmax=250°C

\*6 stripping length AL=40mm -5+10

\*7 stripping length AL=40mm +10-10

### Revision

Version	Effective from	Comment
<u>1.2</u>	08.10.2013 07:40:32	Freigabe PSO 07102013
<u>1.1</u>	03.07.2013 12:46:01	Schlüssel erweitert /JME
<u>1.0</u>	05.06.2013 17:00:20	Typenblatt angelegt