



technical data

measuring range	-40°C...+180°C
response time	T05=9sec/ T09=23sec *1
outer diameter tube D	5.5mm
material (process-intrusive)	1.4571 /AISI 316Ti
connection wire (cable-jacket/wire)	silicone/silicone 180°C, 2x0,34mm ² , CuSn
protection category	IP67 according to DIN EN 60529
insulation resistance	500V
protection class	III
colour of cable	black/anthracite

ambient conditions

application area	liquid and gaseous media
storage temperature	+5°C...+70°C
dew-point-resistance	no

Miscellaneous

labelling	by labelling on cable "order-no +WW/YY"
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Type key configuration

Pos.:	Physical characteristics	Key	Characteristic
1	sensorelement-type	A0	Pt100, tolerance class B according to DIN EN 60751
		A1	Pt100, tolerance class A according to DIN EN 60751
		A2	Pt100, tolerance class AA according to DIN EN 60751
		A3	Pt1000, tolerance class B according to DIN EN 60751
		A4	Pt1000, tolerance class A according to DIN EN 60751
		A5	Pt1000, tolerance class AA according to DIN EN 60751
		A6	NTC 10K@25°C B25/85=3977 B±1%/R±1% *2
		A7	NTC 5K@25°C B25/85=3977 B±1%/R±1% *3
		A8	NTC 10K@25°C B25/85=3435 B±1%/R±1% *3
		A9	NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *3
2	cable length KL	B0	1000mm-50+100 *4
		B1	1500mm-50+100 *4
		B2	2000mm-50+100 *4
		B3	2500mm-50+100 *4
		B4	5000mm -100+200 *4
3	sensor connection	C0	wire end sleeves grey 0,75mm ²
		C1	wire end sleeves orange 0,5mm ²
		C2	wire ends tinned

Existing configurations

Type	Order number	Item number	Old order number
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Remarks

*1 measured in water 70°C, 0,04m/sec

*2 !!! 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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*4 stripping length AL=40mm +10-10

Revision

Version	Effective from	Comment
1.0	10.09.2014 12:24:45	Typenblatt angelegt