



Technical data

measuring range	-30°C...+90°C
response time	T05=1,5sec/ T09=3,0sec *1
material (process-intrusive)	1.4401/1.4404/ 1.4571 (316/316L/316Ti)
outer diameter tube D	5 mm
protection category	IP63 according to DIN EN 60529
protection class	III
tensile strain (cable to sleeve)	max 20N
connection wire (cable-jacket/wire)	PVC/PVC 2x0,25mm ² *2
insulation resistance	500V
colour of cable	grey

ambient conditions

application area	liquid media/ non hygienic application
dew-point-resistance	no
storage temperature	-20°C...+70°C
process pressure	0-16 Bar (bei Einsatz von Klemmverschraubung)

Miscellaneous

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

Pos.:	Physical characteristics	Key	Characteristic
1	length of sleeve HL	A0	100mm
2	sensorelement-type	B0	Pt100, tolerance class B according to DIN EN 60751
		B1	Pt100, tolerance class A according to DIN EN 60751
		B2	Pt1000, tolerance class B according to DIN EN 60751
		B3	Pt1000, tolerance class A according to DIN EN 60751
		B4	NTC 10K@25°C B25/85=3977 B±1%/R±1% *3
		B5	NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% *4
3	cable length KL	C0	1000mm-50+100 *5
		C1	2000mm-50+100 *5
4	sensor connection	D0	wire end sleeves turquoise 0,34mm ²
		D1	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 wire isolation 90°C

*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 NTC glas encasulated, Tmax=250°C

*5 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>1.0</u>	09.11.2015 10:50:56	Typenblatt angelegt