



**technical data**

measuring range	-25°C...+90°C /UL: max 80°C
response time	T05=6sec/ T09=18sec *1
outer diameter tube D	6mm
material (process-intrusive)	V2A/V4A
connection wire (cable-jacket/wire)	PUR(TPU) /PP 4x0,34mm <sup>2</sup> *2
protection category	IP67 according to DIN EN 60529
protection class	III
insulation resistance	500V
tensile strain (cable to sleeve)	max 10N
colour of cable	black/anthracite

**ambient conditions**

application area	liquid and gaseous media
storage temperature	-20°C...+85°C
process pressure	max 10bar
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	35mm
		A1	45mm
		A2	60mm
		A3	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	Pt500, tolerance class B according to DIN EN 60751
		B4	Pt500, tolerance class A according to DIN EN 60751
		B5	Pt500, tolerance class AA according to DIN EN 60751
		B6	Pt1000, tolerance class B according to DIN EN 60751
		B7	Pt1000, tolerance class A according to DIN EN 60751
		B8	Pt1000, tolerance class AA according to DIN EN 60751
		B9	NTC 10K@25°C B25/85=3977 B±1%/R±1% *3
		B10	NTC 5K@25°C B25/85=3977 B±1%/R±1% *4
		B11	NTC 10K@25°C B25/85=3435 B±1%/R±1% *4
		B12	NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *4
		B13	KTY81-210
		B14	KTY84-130
		B15	KTY81-121
		B16	KTY81-110
		B17	NI1000 tolerance class B, TK6180
		B18	NTC 20K@25°C B25/85=3970 B±1%/R±1% *5
		B19	NI100 tolerance class B, TK6180
B20	NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% *5		
3	cable length KL	C0	1000mm-50+100 *6
		C1	1500mm-50+100 *6
		C2	2000mm-50+100 *6
		C3	2500mm-50+100 *6
		C4	5000mm -100+200 *6
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 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
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**Remarks**

\*1 measured in water 70°C, 0,04m/sec

\*2 S-PUR MOTION E47676 cULus AWM STYLE 20549 AWM I/II A/B 80C 300V FT2

\*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 !!! 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!!!

\*5 NTC glas encasulated, Tmax=250°C

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

**Revision**

Version	Effective from	Comment
<u>1.0</u>	11.07.2014 06:24:19	Typenblatt angelegt