

technical data

measuring range	-5°C...+70°C
response time	T05=13sec/ T09=28sec *1
outer diameter tube D	5.5mm
material (process-intrusive)	sleeve V2A/ connection piece Cu tinned
connection wire (cable-jacket/wire)	PVC/PVC 70°C, 2x0,35mm ²
protection category	IP63 according to DIN EN 60529
protection class	III
tensile strain (cable to sleeve)	max 10N
insulation resistance	500V
colour of cable	grey

ambient conditions



application area	liquid and gaseous media
storage temperature	+5°C...+70°C
process pressure	at normal pressure
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	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
		A10	KTY81-210
		A11	KTY84-130
		A12	KTY81-121
		A13	KTY81-110
		A14	NI1000 tolerance class B, TK6180
		A15	NTC 20K@25°C B25/85=3970 B±1%/R±1% * ⁴
		A16	NTC 22K@25°C B25/85=3720 B±1%/R±1% * ⁴
		A17	NI100 tolerance class B, TK6180
A18	NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% * ⁴		
2	cable length KL	B0	1000mm-50+100 * ⁵
		B1	1500mm-50+100 * ⁵
		B2	2000mm-50+100 * ⁵
		B3	2500mm-50+100 * ⁵
		B4	4000mm -50+100 * ⁵
		B5	5000mm -100+200 * ⁵
3	sensor connection	C0	wire end sleeves orange 0,5mm ²
		C1	wire end sleeves grey 0,75mm ²
		C2	wire ends tinned
4	packaging	D0	bundled 10/100
		D1	single-pack in PE-bag due to Sontec-Standard

Production code Sontec	 Type Typekey QWPU Sontec * 57368 Lennestadt * Germany * www.Sontec.de	Artikel No.: Xxx-xxx  Made in Germany
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D1: single-pack in PE-bag due to Sontec-Standard

Existing configurations

Type	Order number	Item number	Old order number
TR5.5	<u>TR5.5-A10B5D0C1</u>	800-156	

Remarks

- *1 measured at block of aluminium, 60°C, with heat-conductive paste
- *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!!!
- *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>	06.11.2013 14:41:51	Typenblatt angelegt