



### technical data

measuring range	-40°C...+180°C
response time	at present not determined
material casing	cable lug CuZn39Pb3, tinned, sleeve AISI 301/304
protection class	III
protection category	IP63 according to DIN EN 60529
tensile strain (cable to sleeve)	max 20N
connection wire (cable-jacket/wire)	silicone/silicone 180°C, 2x0,34mm <sup>2</sup> , CuSn *1
insulation resistance	500V
colour of cable	black/anthracite

### ambient conditions

application area	trockener Einsatz, Spritzwasser
dew-point-resistance	no
storage temperature	-40°C...+70°C
process pressure	at normal pressure

### 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	Pt1000, tolerance class B according to DIN EN 60751
		A3	Pt1000, tolerance class A according to DIN EN 60751
		A4	NTC 10K@25°C B25/85=3977 B±1%/R±1% *2
2	cable length KL	B0	2000mm-50+100 *3
		B1	5000mm -100+200 *3
		B2	15000mm -200 +400 *4
3	sensor connection	C0	wire end sleeves grey 0,75mm <sup>2</sup>

**Existing configurations**

Type	Order number	Item number	Old order number
TF5.5-1000	<a href="#">TF5.5-1000-A3B2C0</a>	800-671	

**Remarks**

\*1 halogenfrei

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

\*4 stripping length ADE 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>1.1</u>	26.02.2015 10:05:37	UPDATE Lagertemperatur
<u>1.0</u>	12.02.2015 10:29:09	Typenblatt angelegt