



technical data

process connection	G1/8"
material (process-intrusive)	316L ^{*1}
sealing	O-Ring EPDM 7,65x1,78 Shore 70° ^{*2}
sensor connection	Molex 3928-1023
sensor connection	sensor in two-wire-technique ^{*3}
response time	T05=4sec/ T09=10sec ^{*4}
protection category	IP20
accross flats	AF13
insulation resistance	500V
breakoff torque	20Nm

ambient conditions

application area	-40°C...125°C
dew-point-resistance	no
installation instructions	For mounting in a suitable mounting application

Miscellaneous

labelling	by engraving of housing, "batch-no"
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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	Pt500, tolerance class B according to DIN EN 60751
		A4	Pt1000, tolerance class B according to DIN EN 60751
		A5	Pt1000, tolerance class A according to DIN EN 60751
		A6	Pt1000, tolerance class AA according to DIN EN 60751
		A7	NTC 2,2K@25°C B25/85=3552 B±1%/R±1% *5
		A8	NTC 5K@25°C B25/85=3977 B±1%/R±1% *5
		A9	NTC 10K@25°C B25/85=3977 B±1%/R±1% *6
		A10	NTC 10K@25°C B25/85=3435 B±1%/R±1% *5
		A11	NTC 20K@25°C B25/85=3970 B±1%/R±1% *7
		A12	NTC 22K@25°C B25/85=3720 B±1%/R±1% *7
		A13	NTC 10K@25°C B25/85=3977 B±1%/R±1%, valid from 50°C, <50°C is B2%/R2% *7
		A14	NI100 tolerance class B, TK6180
A15	NI1000 tolerance class B, TK6180		

Existing configurations

Type	Order number	Item number	Old order number
TE4-G1/8	<u>TE4-G1/8-A4</u>	800-432	

Remarks

*1 in contact with product PB

*2 E7108, WRAS, KTW, W270

*3 A 2-wire offset due to the connection wire has to be noted

*4 measured in water 70°C, flowing water, immersion depth 10xD, or minimum to beginning of across flat

*5 !!! 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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*7 NTC glas encasulated, Tmax=250°C

We reserve the right to make technical modifications and correction at any time without prior notice!

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Revision

Version	Effective from	Comment

