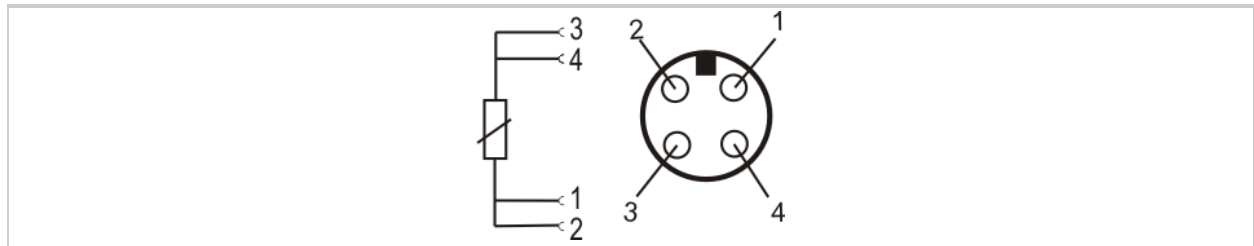


**technical data**

process connection	G1/2" hygienic
measuring range	-50°C...+200°C
response time	T05=4sec/ T09=10sec *1
material (process-intrusive)	316L *2
material casing	1.4301/1.4305
surface roughness	Ra ≤0,8 *2
sensor connection	M12 connector 4pin, Pin 1+2/3+4



protection category	IP69K *3
accross flats	AF22
torque	10Nm...20Nm

**ambient conditions**

application area	liquid and gaseous media/ hygienic applications
storage temperature	+5°C...+70°C
process pressure	0-16 Bar
installation instructions	For mounting in a suitable mounting application / series "hygienic connect"

**Miscellaneous**

labelling	by labelling on housing
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labelling

by engraving of housing, "batch-no"

**Type key configuration**

Pos.:	Physical characteristics	Key	Characteristic
1	installation length "EL"	A0	50mm
		A1	100mm
		A2	150mm
		A3	200mm
		A4	250mm
		A5	300mm
		A6	400mm
		A7	750mm
2	tapering	B0	none
		B1	6mm tapered to 3mm (length30mm) *4
		B2	6mm tapered to 4mm (length30mm) *5
3	sensorelement-type	C0	Pt100, tolerance class A according to DIN EN 60751
		C1	Pt100, tolerance class AA according to DIN EN 60751

**Existing configurations**

Type	Order number	Item number	Old order number
TSF-7	<a href="#">TSF-7-A0B0C0</a>	800-582	
TSF-7	<a href="#">TSF-7-A7B0C0</a>	800-343	

**Remarks**

\*1 measured in water 70°C, flowing water, immersion depth 10xD, or minimum to beginning of across flat

\*2 in contact with product PB

\*3 in combination with fitting mating connector

\*4 response time T05=2sec/T08=4sec

\*5 response time T05=3sec/ T09=6sec

**Revision**

Version	Effective from	Comment
<a href="#">1.2</a>	30.09.2013 08:15:31	Schlüssel erweitert, A7, JME30092013
<a href="#">1.1</a>	27.09.2013 16:59:41	technische Freigabe PSO27092013
<a href="#">1.0</a>	21.06.2013 12:12:06	Typenblatt angelegt