

technical data

process connection	G1/2" hygienic
measuring range	-50°C...+200°C
response time	T05=4sec/ T09=12sec *1
material (process-intrusive)	316L *2
material casing	1.4301/1.4305
surface roughness	Ra ≤0,8 *2
protection category	IP69K *3
protection class	III
accross flats	AF22
torque	10Nm...20Nm

ambient conditions

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

Miscellaneous

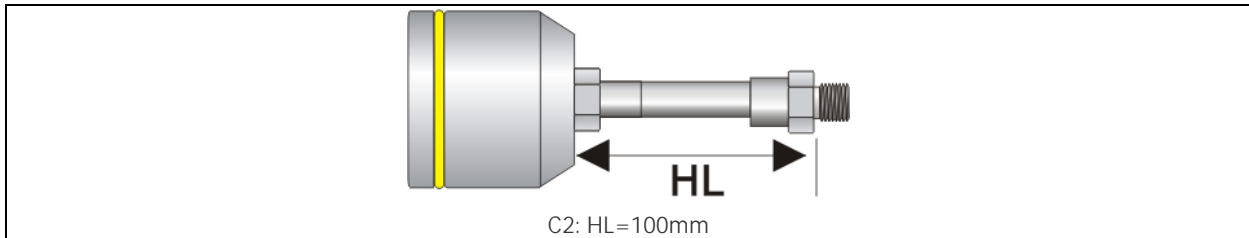
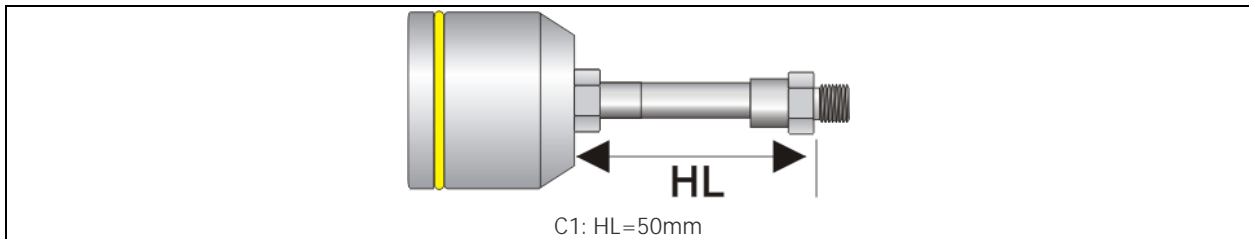
labelling	by labelling on housing
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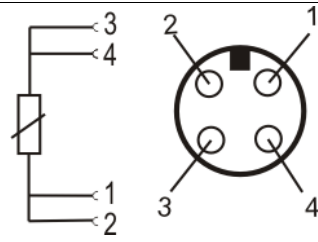


labelling	by engraving of housing, "batch-no"
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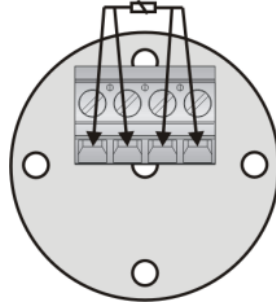
Type key configuration

Pos.:	Physical characteristics	Key	Characteristic
1	installation length "EL"	A0	50mm
		A1	100mm
		A2	150mm
		A3	200mm
		A4	250mm
		A5	300mm
		A6	400mm
		A7	500mm
2	tapering	B0	none
		B1	6mm tapered to 3mm (length30mm) *4
		B2	6mm tapered to 4mm (length30mm) *5
3	spacer	C0	no spacer
		C1	HL=50mm
		C2	HL=100mm
4	sensorelement-type	D0	Pt100, tolerance class A according to DIN EN 60751
		D1	Pt100, tolerance class AA according to DIN EN 60751
5	sensor connection	E0	cable gland, PA, M16x1,5, clamping range 4,5-10mm
		E1	M12 connector 4pin, Pin 1+2/3+4
6	transmitter	F0	none - passive sensor
		F1	transmitter Pt100 4-20mA type MU1000

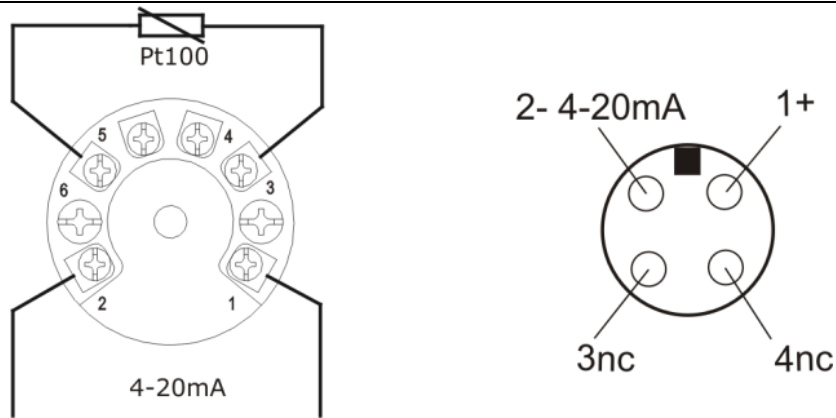




E1: M12 connector 4pin, Pin 1+2/3+4



F0: none - passive sensor



F1: transmitter Pt100 4-20mA type MU1000

Existing configurations

Type	Order number	Item number	Old order number
TSF-8	TSF-8-A1B0C0D0E0F0	800-049	
TSF-8	TSF-8-A0B1C0E0F0D0	800-335	
TSF-8	TSF-8-A6B0C0D0E0F1	800-544	
TSF-8	TSF-8-A1B0C0D0E0F1	800-552	

Remarks

- *1 measured in water 70°C, 0,04m/sec
- *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
<u>1.1</u>	14.10.2013 10:09:21	Freigabe PSO 14102013

Version	Effective from	Comment
<u>1.0</u>	10.10.2013 09:14:00	Typenblatt angelegt