



Resistance thermometer Screw-in sensor straight with fixed thread Series GF-7138

PRODUCT FEATURES

- ✓ Resistance thermometer
acc. to DIN EN 60751
- ✓ High precision measuring system
- ✓ Single / double measuring system
- ✓ Vibration resistant design
- ✓ High temperature resistance
- ✓ Durable
- ✓ Process and fail safe
- ✓ Temperature and long-term stable
- ✓ ATEX version
- ✓ FDA / CE compliant version

TECHNICAL DETAILS

Core values

PT50/PT100/PT500/PT1000
KTY/NTC/PTC

Diameter

2,0 mm – 10,0 mm in standard

Form of the measuring tip

118° angled, plan, spherical

Installation length

Min. thread length up to max. 2000 mm

Material

Sensor made out of stainless steel

Kink protection spring

Stainless steel

Process temp. at the measuring tip

Up to +600 °C depending on version

Process connection

DIN 910 / DIN 933 fixed thread

High – quality cable types

Connection cables
All available versions

Connectivity

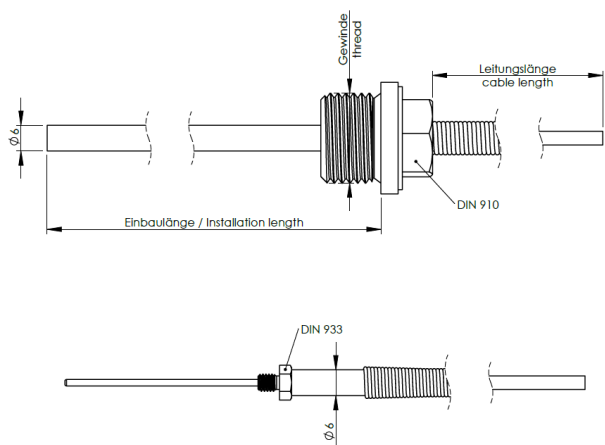
Free ends, Plugs

Special version

Customized, on request

Standard version													
	GF-7138												
Special version													
ATEX		/EX											
Number of measuring systems													
1x			1										
2x			2										
Core values measuring system													
PT100 Class B DIN EN 60751			n/a										
PT100 Class A DIN EN 60751			K1A										
PT100 Class AA DIN EN 60751			K1AA										
PT50/PT500/KTY/NTC/PTC + Type			KTY										
Further versions on request													
Types of electrical circuits													
2-wire-circuit			n/a										
3-wire-circuit			3-L										
4-wire-circuit			4-L										
Diameter measuring tip													
2,0 mm					2,0								
3,0 mm					3,0								
6,0 mm					6,0								
Mention in mm													
Measuring tube form													
Angled 118°							W						
Plan							P						
Spherical							B						
Special version													
Installation length													
50 mm							50						
Mention in mm													
Matching DIN 910 / DIN 933 thread													
G1/4							43						
G3/8							44						
G1/2							82						
M4							M4						
M6							M6						
M8							M8						
M10x1							40						
M14x1,5							42						
M18x1,5							M18x1,5						
Further versions on request													
Cable length in mm													
Mention in mm							XXXX						
Cable type													
Glass fiber - Glass fiber - stainless steel braid									without mention				
Glass fiber - Glass fiber - stainless steel braid - PTFE									GL-GL-PVA-TE				
R - Glass fiber - R - Glass fiber - stainless steel braid									RGL-RGL-PVA				
Check cable types													
Connection													
Free Ends, 60 mm											A		
Check ends											PRF		
LEMO plug + number of poles + size											LST2P1S		
Round plug screw lock + number of poles											DST3PS		
M 12 Round plug + number of poles											EST-M12-4P		
On request, see datasheet connectors													
Temperature measuring tip													
Mention in °C													400°C
Order code (example) → GF-7138 .1. K1A. 3-L. 6,0. P. 50. 82. 3000. -. A. 400°C													

DIMENSIONS



DIGITAL DATA
2D, 3D and CAD



to Download