

Thermocouple

Melt temperature sensor

straight version

Series GF-7042/G

PRODUCT FEATURES

- ✓ Thermocouples
acc. to DIN EN 60584
- ✓ High precision thermo cable
- ✓ Single / double measuring system
- ✓ Electrical isolated or not isolated
- ✓ Durable
- ✓ Process and failsafe
- ✓ Temperature and long term stable
- ✓ FDA compliant version

TECHNICAL DETAILS

Thermo voltage

Fe-CuNi/J-L, NiCr-Ni/K

Sensor measures

Measuring tip Ø4f7
Length 5,2 mm/3,2 mm
Sealing pin 10 mm, conical

Form of the measuring tip

Cylindrical, spherical
Further versions on request

Material

Tool steel, oil hardened, Hastelloy
Further versions on request

Process connection

M12x1 as standard

Process temp. at the measuring tip

Up to +450 °C depending on version

Special features

Special coating
Further versions on request

High – quality cable types

Thermocouple cables
All available versions

Connectivity

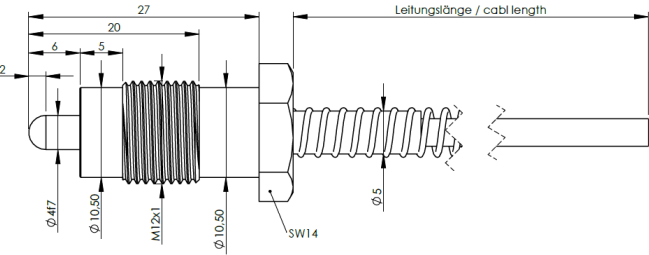
Free ends, plug

Special version

Customized, on request

Standard version													
	GF-7042	/G											
Number of measuring systems													
1 x			1										
2x			2										
Type of element													
Fe-CuNi Type J DIN EN 60751			FK-J										
Fe-CuNi Type L DIN 43710			FK-L										
NiCr-Ni Type K DIN EN 60751			NC										
Check element selection													
Electrical properties													
Grounded			e										
Isolated			i										
Diameter measuring tube													
Standard 4f7 over 4 mm length			4f7										
Further versions on request													
Length of the measuring tip													
2 mm			2										
Mention in mm													
Installation length													
Standard 27 mm			27										
Further versions on request													
Size of the thread													
Standard M12 x 1			41										
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			
Thermo plug "S" standard / "M" mini / "X" element										TSTXS			
Round plug "C" 3-pole bayonet lock										CST3PB			
Round plug "C" 3-pole screw lock										CST3PS			
On request, see datasheet connectors													
Temperature Measuring tip													
Mention in °C												400°C	
Order code (example) → GF-7042 /G .1. FK-J. e. 4f7. 2. 27. 41. 3000. A. 400°C													

DIMENSIONS





DIGITAL DATA
2D, 3D and CAD

to Download