



Mineral insulated – Thermocouple Series GF-7050

PRODUCT FEATURES

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

TECHNICAL DETAILS

Thermo voltage

Fe-CuNi/J-L, NiCr-Ni/K, PtRh-Pt/S-R

Diameter

0,5 mm – 6,00 mm as standard

Form of the measuring tip

flat

Material

Mantle cable 1.4541

Mantle cable 2.4816

Kink protection-/ threaded spring

Optional

Process temp. at the measuring tip

Up to +1200 °C depending on version

Special feature

Mantle cable bendable

High – quality cable types

Thermocouple cables

All available versions

Connectivity

Free ends, plug

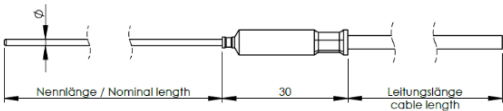
Special version

Customized, on request

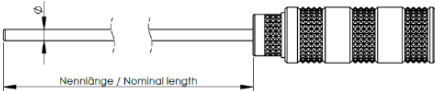
Standard version												
	GF-7050											
Special version												
Standard (without mention)												
Leitungsabgang 90 °		/W										
ATEX		/EX										
Number of measuring systems												
1x		1										
2x		2										
Type of element												
Fe-CuNi Type J DIN EN 60584			FK-J									
Fe-CuNi Type L DIN 43710			FK-L									
NiCr-Ni Type K DIN EN 60584			NC									
Pt10Rh-Pt Type S DIN EN 60584			Pt10Rh-Pt									
Pt13Rh-Pt Type R DIN EN 60584			Pt13Rh-Pt									
Electrical properties												
Grounded				e								
Isolated				i								
Diameter of the measuring tube												
0,5 mm				0,5								
1,0 mm				1,0								
1,5 mm				1,5								
3,0 mm				3,0								
4,5 mm				4,5								
6,0 mm				6,0								
Mention in mm												
Design of the measuring tip												
Flat				P								
Nominal length												
50 mm				50								
100 mm				100								
Mention in mm												
Type cable transition												
extension tube (E = diameter x length)				E=6x30								
thermo plug mounted directly				T								
LEMO plug mounted directly				L								
B-head terminal mounted directly				BK								
Further versions on request												
Process connection												
Without				-								
Compression fitting M8 x 1				37								
Compression fitting M10 x 1				40								
Compression fitting G1/4				43								
Compression fitting G1/2				82								
Further versions on request												
Cable length in mm (version E)												
Mention in mm				XXXX								
Cable type (version E)												
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 (version E)												
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-7050	.1.	FK-J.	e.	1,5.	P.	50.	E=6x30.	-.	3000.	A.	400°C

DIMENSIONS

Ausführung / Version "E"



Ausführung / Version "L"



Ausführung / Version "T"



DIGITAL DATA
2D, 3D and CAD

to Download