



LF2/E

Contacting Temperature Sensor with Clamping Band

Measuring size: temperature

Output: passive sensor

Highlights: contacting block aluminium, incl. clamping band, 2-wire connection



Description

The LF2/E contacting sensor measures the surface temperature from pipes in the range of -30 up to +110°C and is with all current sensors available. By the in scope of delivery stainless steel clamping band the aluminium block at the housing bottom side can be mounted fast and safe directly e.g. on cold and hot water pipes of heating installation. The robust housing allows the use in rough environment conditions.

Technical Specifications

Measurement range temp.	-30...+110°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	screw terminals max. 1,5 mm ²
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Housing	polyamide with snap closing screws, colour white like RAL 9010
Cable gland	PG11 high-strength cable gland with strain relief
Material	Contacting block: aluminium
Dimensions	Housing: L 64 x W 58 x H 34,5 mm
Protection type	IP65
Working temperature	-30...+90°C
Storage temperature	-20...+70°C
Installation	clamping band, band width 9 mm, chucking capacity 50-110 mm, galvanized steel (in scope of delivery)
Approvals	CE, EAC, RoHS



Variants

Article Number
Sensor
LF2/E-10
Pt100 (DIN EN 60751 Cl. B)
LF2/E-15
Pt500 (DIN EN 60751 Cl. B)
LF2/E-20
Pt1000 (DIN EN 60751 Cl. B)
LF2/E-30
Ni1000 (whirl-sintered)
LF2/E-37
Ni1000TK5000 (thin film)
LF2/E-40
Ni1000TK5000 (whirl-sintered)
LF2/E-50
NTC1,8k ($\pm 1\%$)
LF2/E-60
LM235Z ($\pm 1\%$)
LF2/E-70
NTC20k ($\pm 1\%$)
LF2/E-80
NTC10k ($\pm 1\%$)
LF2/E-81
KTY 81-110 ($\pm 1\%$)
LF2/E-82
KTY 81-121 ($\pm 1\%$)
LF2/E-83
KTY 81-210 (KTY 10-6) ($\pm 1\%$)



Accessories



DT/G

Digital display



SZ/E

Accessories



Dimensional Drawing

