

Technical data sheet

Accessories

Temperature sensor for control unit



Identification

Type	PT100 Element, 2M UL PVC Leitung 2x0,34
Part No.	773900.0001

Product version

Datasheet version	01
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Description

Description	2-wire PT100 temperature sensor with PVC cable. In combination with the LCOS-AB-I control unit, item no. 777100.0011, 3 of these temperature sensors are used to record the temperatures in a control cabinet. The LCOS AB-I control unit with the 3 PT100 sensors is designed for monitoring the temperatures in a single control cabinet. The sensors can each be installed up to a maximum distance of 2 m. One packaging unit contains 3 PT100 sensors.
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Temperature inputs

Temperature range	-25 °C ... +80 °C
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Technical data

Measurement input	PT100 (DIN EN 60751 Kl. B), passive
Connection technology	2-conductor
Measuring current	approx. 1 mA

Connecting lead

Description	ELETRONIC LiYY
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Accessories

Number of conductors/cross-section	2 × 0,34 mm ² , Ø = 4,7 mm / 0,19 inch
Jacket color	grey similar to RAL 7001
Insulation resistance	≥20 MΩ×km @ +20 C°
Connection ends	50 mm free ends with wire end sleeves
Minimum bending radius moving	12×D
Minimum bending radius fixed	5×D

Construction

Jacket characteristics	Flame-retardant Oil resistant Acid-resistant Alkali-resistant Silicone free
Jacket material	Special PVC

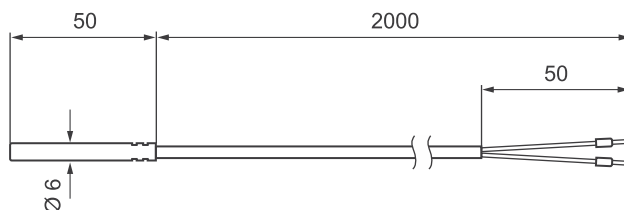
General

Installation length	Protective sleeve: Ø 6 × 50 mm
Dimensions	2050 × Ø 6 mm (see. dimensions)
Mounting	Sealing frommet, assembly flange, clamp fitting (order separately) Temperature (cable) according to UL: +80 °C
Protective sleeve material	Stainless steel VA 1.4571
Operation temperature range	-25 °C ... +80 °C
Storage temperature range	-25 °C ... +80 °C
Degree of protection	IP67 (EN 60529) The stainless steel sleeve is connected to the PVC connection cable in a moisture-proof manner (double rolled) and protects the measuring unit from moisture and mechanical influences.
Weight/unit	0.065 kg
PU (units)	3

Certifications/Standards

Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2 UL 1581 part VW-1 Flame Test UL FT1
Certifications	cURus

Dimensions



PIN assignment

Prinzip: 2-Leiter Schaltung
Principle: 2-conductor circuit
Principe : circuit à 2 conducteurs
Principio: Circuito de 2 conductores

