

Surface contact temperature sensor for pipe applications. Spring loaded brass contact pin to ensure fast response and accurate reading. NEMA 4X / IP65 rated enclosure.



## Technical Data

<b>Electrical data</b>	Kabelingång	Cable gland PG11 Ø6...10 mm, with strain relief Ø6...8 mm
<b>Functional data</b>	Output signal passive temperature	PT100 PT1000 Ni1000 Ni1000TK5000 NTC10k (10k2)
	Flow media short	Vatten
<b>Measuring data</b>	Measuring values	Temperature
	Noggrannhet temperatur passiv	Passive Sensors depending on used type PT.. : Class B, ±0.3 °C @ 0 °C [±0.5 °F @ 32 °F] Ni.. : ±0.4 °C @ 0 °C [±0.7 °F @ 32 °F] NTC.. : ±0.2 °C @ 25 °C [±0.3 °F @ 77 °F]
<b>Materials</b>	Förskruvning	PA6, black
	Sensor housing	Cover: Lexan, Belimo orange NCS S0580-Y6OR Bottom: Lexan, Belimo orange NCS S0580-Y6OR Seal: 0467 NBR70, black
<b>Safety data</b>	Omgivningsfuktighet	85% r.H., non-condensing
	Omgivningstemperatur	-35...50 °C [-30...120 °F]
	Temperatur på medium	-35...90 °C [-30...195 °F]
	Housing surface temperature (Tsurf)	max. 90 °C [195 °F]
	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV)
	Protection class UL	UL Class 2 Supply
	Certifiering IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-9
	Certifiering UL	cULus acc. to UL60730-1A/-2-9, CAN/CSA E60730-1:02/-2-9, CE acc. to 2004/108/EC and 2006/95/EC, NEMA 4X, IP65
	Degree of protection IEC/EN	IP65
	Degree of protection UL	NEMA 4X
	Quality Standard	ISO 9001
	Weight	0.095 kg

**Safety notes**


The installation and assembly of electrical equipment should only be performed by authorized personnel.

This device has been designed for use in stationary heating, ventilation and air conditioning systems and must not be used outside the specified field of application. Unauthorised modifications are prohibited. The product must not be used in relation with any equipment that in case of a failure may threaten human, animals or assets.

Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

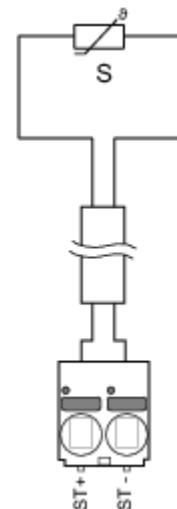
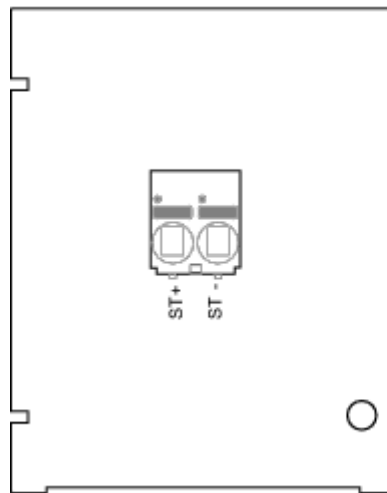
**Remarks**
**General remarks concerning sensors**

Due to self-heating with 2 wire passive sensors, the supply wire current affects the measurement accuracy, so it should not exceed 1 mA.

When using lengthy connection wires (depending on the cross section used) the measuring result might be falsified due to a voltage drop at the common GND-wire (caused by the voltage current and the line resistance). In this case, 2 GND-wires must be wired to the sensor - one for supply voltage and one for the measuring current.

**Accessories**

Scope of delivery	Description	Type
Tightening strap for pipes up to Ø110 mm (A-22P-A47)		
Optional Accessories	Tightening strap with thermal contact fluid	A-22P-A41
	Spännband with thermal contact fluid	A-22P-A43
	Syringe thermal contact fluid	A-22P-A44

**Wiring diagram**


Dimensions

