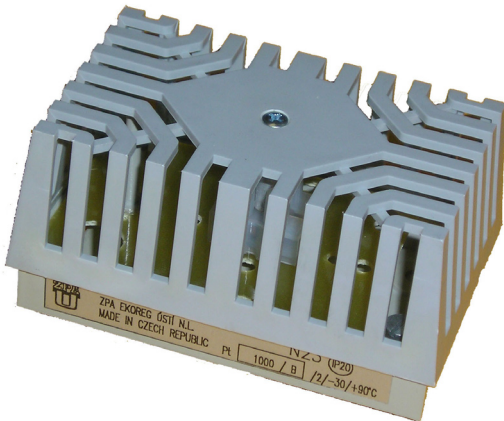


Type 11259

Room temperature sensors Pt, Ni, NR



- Pt, Ni (-30 to +90°C)
- with thermistor NR351 (-25 to +90°C)
- with current output (-25 to +80°C)

Characteristics

Sensor 1x or 2x Pt 100, Pt 500, Pt 1000

Sensor 1x or 2x Ni 1000/6180ppm/°K

Sensor 1x NR351

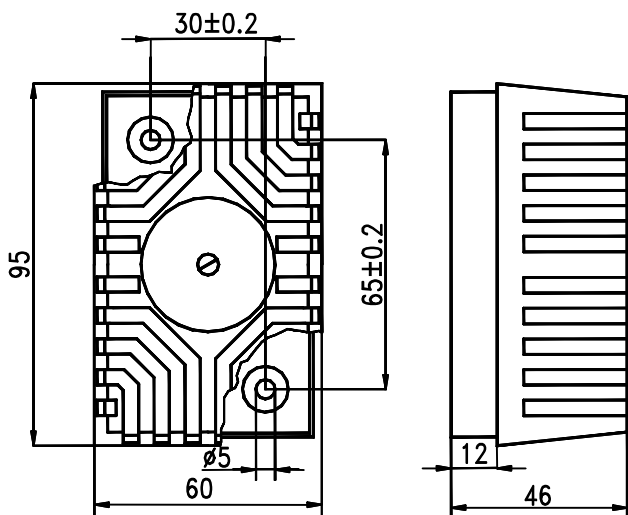
Connection 2-wire with the connection option of 4-wire expect for 2x Pt, Ni

Description - use

The sensors are designed for temperature sensing in facilities, e.g. rooms, etc. The sensor signal can be evaluated for temperature measuring registration or signalisation. The product is subject to ČSN EN 60751 and related standards. The connection is performed by means of cable into terminal block under the cover. The sensor cover is plastic.

Dimension drawing

- cable sensor



The sensor is supplied with screws 4x30 (2pcs) and distance washer (2pcs), used for sensor attachment.

Technical data

Measuring range: -30 to +90°C

-25 to +80°C - with transmitter

Measuring current: 1 mA

Tolerance class: A, B according to ČSN EN 60751 (Pt)
6180ppm/°K (Ni)

Protection class: IP 20

Temperature reaction time: 15 s

Sensors with transmitter: output signal 4-20 mA

power supply 10-36 V DC

polarity optional

accuracy ±1% of the range

Rated values of measuring resistance Pt for information purposes depending on temperature (ČSN EN 60751)

t [°C]	Pt100 [Ω]	t [°C]	Pt100 [Ω]	t [°C]	Pt100 [Ω]
-30	88,22	20	107,79	70	127,08
-20	92,16	30	111,67	80	130,90
-10	96,09	40	115,54	90	134,71
0	100,00	50	119,40	100	138,51
10	103,90	60	123,24	110	142,29

Permitted resistance deviations of Pt sensors from rated values for tolerance classes specified in °C

Tolerance class	Tolerance $\Delta T/K$ temperature t in °C	tolerance at t = 0 °C	
		$\Delta T/K$	Pt 100 [Ω]
A ČSN EN 60751	$\pm 0,15 + 0,002 t $	$\pm 0,15$	99,94 to 100,06
B ČSN EN 60751	$\pm 0,30 + 0,005 t $	$\pm 0,30$	99,88 to 100,12

Ordering devices

Code	Name												
405 112 596	Room temperature sensor												
	<table border="1"> <thead> <tr> <th>Code</th> <th>Type, tolerance class</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>with current output</td> </tr> <tr> <td>0</td> <td>with thermistor</td> </tr> <tr> <td>1</td> <td>A (ČSN EN 60751)</td> </tr> <tr> <td>2</td> <td>B (ČSN EN 60751)</td> </tr> <tr> <td>3</td> <td>Ni 1000</td> </tr> </tbody> </table>	Code	Type, tolerance class	0	with current output	0	with thermistor	1	A (ČSN EN 60751)	2	B (ČSN EN 60751)	3	Ni 1000
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405 112 596	2 0 1												
Ordered No.													

Order example: 1 room temperature sensor, type 11259, tolerance class B, 1xPt100

Warranty

24 months warranty is provided from the delivery date unless specified otherwise in the purchase contract.