



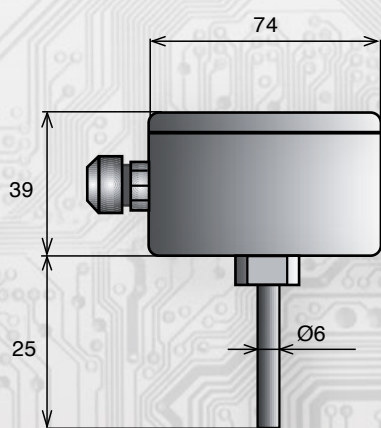
Description

The resistance temperature sensors are designed for general-purpose application in control and regulation systems for the measuring, registration, and signaling of outside temperature. The temperature sensing element is located in the stem. The sensor's head is made of a plastic material, cover is provided with quick-locking screws, the stem is made of class (DIN 1.4301) stainless steel. It is fitted with the plastic console for fastening on the wall. You can also order custom - made probe with two sensing elements (labeled 2P11x).

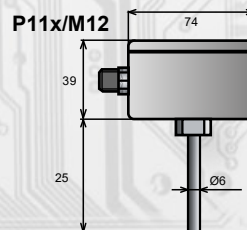
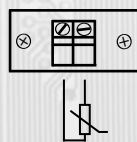
Technical parameters

Measuring range	-30 ÷ 80 °C
Sensor	see the table below
Connection	2 (on request 3 or 4) wiring
Accuracy	class B, IEC 751 (Pt100, Pt 500, Pt1000) class B, DIN 43760 (Ni1000, Ni10000, Ni891, Ni2226) ± 1 °C (NTC20kΩ)
Head	material polycarbonat, grey colour (blue on request)
Stem	stainless steel, DIN 1.4301, Ø = 6 mm, length 25 mm
Insulation resistance	> 100 MΩ at 25 °C (500 V DC)
Protection type	IP 65 (EN 60529)
Relative humidity	< 95 %
Terminal board	COB 5/2, wire cross section 0,35 ÷ 2,5 mm ²
Cable gland	PG9, wire diameter 4 ÷ 8 mm or connector ELST, M12
Version	P11x-(one sensing element) 2P11x-(two sensing elements) x = P, PA, PB, S, L, J, SA, H or N

Dimension



Wiring

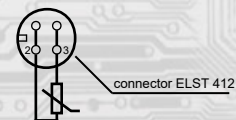


Side holder A – for P11x



2 holes Ø 4,5 mm

wiring



Summary

Sensor	P11P	P11PA	P11PB	P11S	P11L	P11J	P11SA	P11H	P11N
sensing element	Pt100	Pt1000	Pt500	Ni1000/6180	Ni1000/5000	Ni891	Ni10000/6180	NTC 20kΩ	Ni2226
Recommended measurement current	1 mA	0,1 mA	0,7 mA	0,1 mA	0,1 mA	0,1 mA	0,01 mA	*	0,1 mA
Max. measurement current	5 mA	1 mA	3 mA	1 mA	1 mA	1 mA	0,5 mA	*	0,7 mA

On the request sensors can be supplied with two measuring elements or transducers with other types of measuring elements such as NTC, PTC, KTY etc.