



technical data

measuring range	-30°C...+90°C
response time	T05=330sec/ T09=810sec
circuit type	2-wire-technique
material casing	polycarbonate , fibre-glass reinforced
dimensions housing	length 50mm, width 52mm, depth 35mm
protection category	IP63 according to DIN EN 60529
sensor connection	cable gland, PA, M16x1,5, clamping range 4,5-10mm
insulation resistance	500V
protection class	III

ambient conditions

application area	-30°C...+90°C
dew-point-resistance	no
installation instructions	For mounting in a suitable mounting application

Miscellaneous

labelling	by labelling on housing
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SONTEC

CE

Artikel: 800-XXX
Type: TYPE-XXX

KW/JJ

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installation and handling instructions

The installation has to be made by authorised specialists. An inappropriate installation may endanger persons and material assets. Temperature sensors must be connected tightly and securely to the application to be measured, in accordance with the latest technical standards.

It is necessary that the sensor has sufficient heat exchange surface with the medium or object to be measured, and that faults due to heat dissipation on the protective pipe or the cable are minimized.

The sensor must be connected tightly and electrically safe to its follow-up circuits.

The cable must be mounted securely. When installing, disassembling or during the operation it is to make sure that there is no tensile or shear loading exceeding $F=10$ Newton from the cable to the sensor housing (or vice versa).

At the transition from cable to sensor housing the sensor must not be bended, sheared or damaged in another way.

Sensor housing and cable must be protected from mechanical stress and damages by suitable measures. The cable must be fixed with a laying radius of min. 3cm.

National and international rules and standards have to be respected.

Type key configuration

Pos.:	Physical characteristics	Key	Characteristic
1	sensorelement-type	A0	Pt100, tolerance class B according to DIN EN 60751
		A1	Pt100, tolerance class A according to DIN EN 60751
		A2	Pt100, tolerance class AA according to DIN EN 60751
		A3	Pt1000, tolerance class B according to DIN EN 60751
		A4	Pt1000, tolerance class A according to DIN EN 60751
		A5	Pt1000, tolerance class AA according to DIN EN 60751
		A6	KTY81-210
A7	NI1000 tolerance class B, TK6180		

Existing configurations

Type	Order number	Item number	Old order number
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Remarks

Revision

Version	Effective from	Comment
<u>1.0</u>	26.08.2014 08:06:49	Typenblatt angelegt