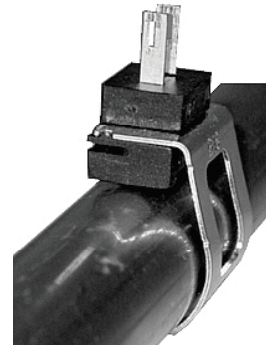


Clip-on
QAR36.130



Clip-on
QAR36.230/330/430/630

Surface-mounted Temperature Sensors

QAR..

- The surface-mounted temperature sensors are designed to acquire the temperature of the medium inside pipes
- Clip-on version for fitting onto pipes
- Flat-mounted version for screwing onto flat surfaces
- The QAR.. and this Data Sheet are intended for OEMs which use the temperature sensors in or on their products

Use

- Control or limitation of the flow temperature
- Limitation of the return temperature

Type summary

Type reference	Pipe dia.	Sensing element	Tolerance	Packing size Weight 5 g / piece
QAR36.130/109	8.8...9.2 mm	NTC 10 k Ω bei 25 °C B(25/85) 3977 K \pm 1 %	\pm 1 K at 60 °C (Excluding conducting error and self-heating effect)	500 pieces
QAR36.230/109	13.5...14.5 mm			
QAR36.330/109	14.5...16 mm			
QAR36.430/109	18...20 mm			400 pieces
QAR36.630/109	22...24 mm			

Ordering

When ordering, please give type reference according to "Type summary" (e.g. **QAR36.430/109**).

Mechanical design

The sensor consists of black plastic body PA6.6 with embedded sensing element and quick connectors for the cable connection.

The Clip-on version has a flexible clip for fitting the sensor directly onto piping. There are no tools required. The pipe's surface must be smooth and free from paint.

For the different pipe diameters, there are different clip sizes available (refer to "Type summary").

Other versions with other types of sensing elements or other quick connector sizes are available on request.

Disposal

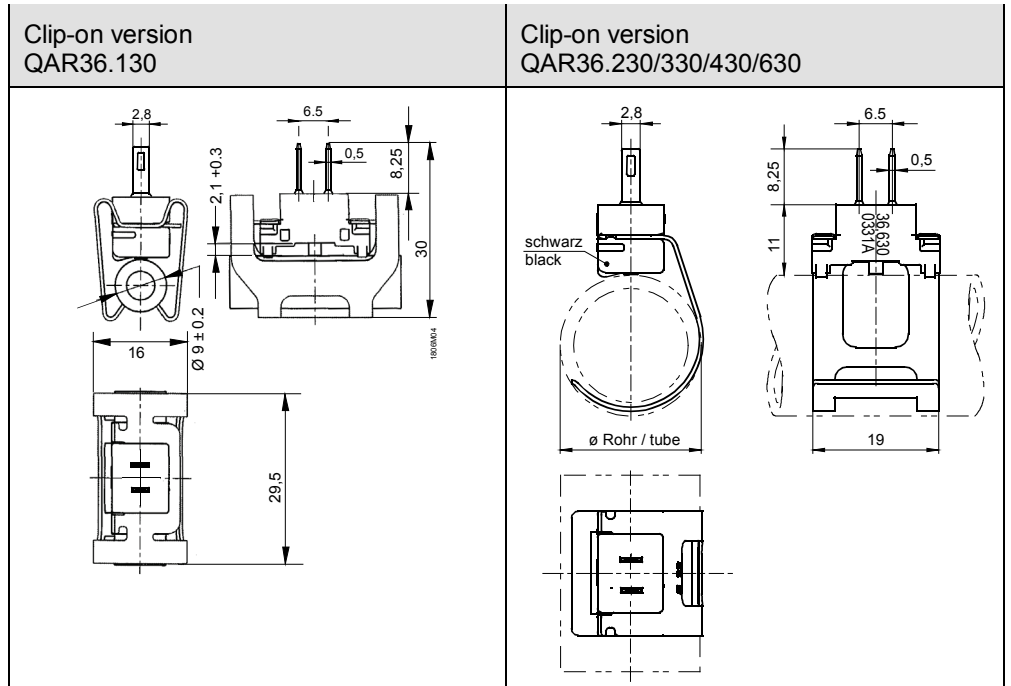
- Dispose of the device via the channels provided for this purpose
- Comply with all local and currently applicable laws and regulations.

Technical data

	Measuring range	5...125 °C
	Short-time	140 °C for approx. 20k operating hours
	Short-time	160 °C for approx. 5k operating hours
	Time constant	<1 s
Directives and Standards	Product standard	EN 60730-1
		Automatic electrical controls for household and similar use
	Climatic and mechanical conditions	According to EN 60721-3
	Rel. humidity	<95 % r.h.
Degree of protection	EU conformity (CE)	CE1T1806xx *)
	Protection degree of housing	IP 43 to EN 60529
	Protection class	III to EN 60730-1
	Insulation resistance	>10 MΩ
	Insulation voltage	>500 V
	Electrical connections	Interchangeable

*) The documents can be downloaded from <http://siemens.com/bt/download>.

Dimensions



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