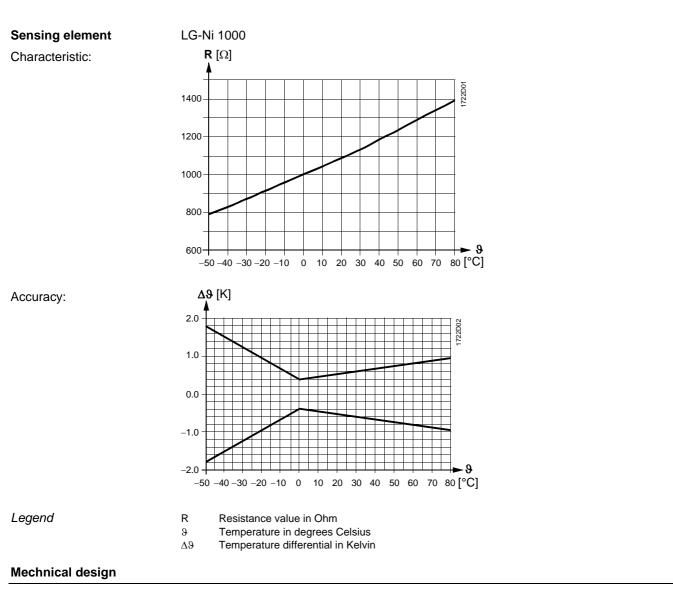
SIEMENS



Room Temperature Sensor QAA64

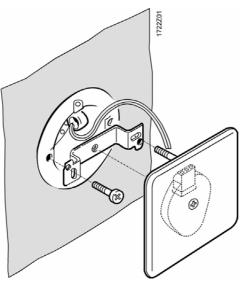
Vandalproof though concealed mounting

Use	
	Acquisition of room temperature in spaces where the detector needs to be protected against damage or destruction by people. Such spaces are public buildings like schools, administrative buildings, multi-purpose halls, etc.
Ordering	· · · · · · · · · · · · · · · · · · ·
	Indicate device name and type designation on order:
Equipment combinations	
	All systems and devices that are capable of acquiring and handling the sensor's analog passive LG-Ni 1000 output signal.
Function	·
	The sensor acquires the air temperature via its sensing element whose resistance - changes as a function of the temperature.
	The signal is delivered to a suitable controller for further handling.



The QAA64 has been designed specifically for installation on recessed conduit boxes having a fixing hole circle dia. of 60 or 69 mm.

The unit consists of a plastic cover and a fixing bracket made of metal. The rear of the cover carries the connecting terminal strip and a measuring element LG-Ni 1000. The fixing bracket is fitted inside the recessed conduit box. A captive screw is used to secure the cover to the bracket.



2/4

For the permissible lengths of lines and measured value errors, refer to "Basic System Data" of the respective control system. If, for some reason, the detector cannot be mounted in a location where it can correctly acquire the room temperature, a resistor can be mounted to correct or adjust the measurement. For this purpose, the detector has an auxiliary terminal (for details, con-

class 2K3

-25...+65 °C

Steel, nickel-plated

grey cardboard

approx. 0.06 kg

silicone-free

insulating plastic, RAL 9010 (pure white)

<95 % r. h.

class 2M2

Fitting and installation notes

Materials and colors

Weight

Location	On an inner wall of the space to be heated, if possible on the wall opposite the heating unit. Not in recesseds or shelves, not above or near heat sources. The end of the conduit at the detector must be sealed to prevent false measurements due to draughts through the conduit. The connecting wires are interchangeable. Installation instructions are supplied with the unit.		
Installation instructions			
Technical data			
Functional data	Measuring range	050 °C	
	Sensing element	LG-Ni 1000	
	Time constant	6.5 min (depending on air movement and	
		thermal coupling to the wall)	
	Measuring accuracy	refer to "Function"	
	Type of measurement and output	passive	
Protective data	Protection standard of casing	IP 40 to EN 60 529	
	Safety class	III to EN 60 730	
Electrical connections	Connecting terminals for	2 x 1.5 mm ² or 1 x 2.5 mm ²	
	Perm. cable lengths	refer to "Engineering notes"	
Environmental conditions	Operation	IEC 721-3-3	
	Climatic conditions	class 3K5	
	Temperature	050 °C	
	Humidity	095 % r. h. (noncondensing)	
	Mechanical conditions	class 3M2	
	Transport	IEC 721-3-2	

tact SBT service personnel).

Climatic conditions

Temperature

Mechanical conditions

Sensor (complete assembly)

Humidity

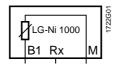
Fixing bracket

Incl. packaging

Packaging

Cover

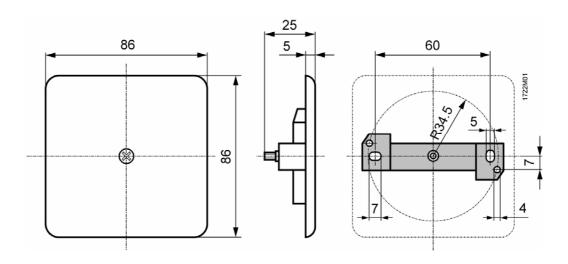
3/4



- Β1 Room temperature measuring signal
- Μ Measuring neutral
- Rx Auxiliary terminal

Dimensions

4/4



Dimensions in mm

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