

CLIMATE CONTROLS

Particulate matter sensor GS 70.00 knx



Overview

- Detection of particulate matter, VOC, rel. humidity and temperature
- Particulate matter sensor (Measuring range 0...50 µg/m³ - PM2.5)
- VOC sensor (Measuring range 0...5.000 µg/m³)
- Temperature sensor (Measuring range 0...+50 °C)
- Humidity sensor (Measuring range 0...100 % rel. humidity)
- Particulate matter comparator function
- Humidity comparator function
- Clearly structured ETS
- Easy installation and mounting
- Modern and planar design
- Wall mounting

Order numbers

■ müller	
GS 70.00 knx	Particulate matter sensor

Accessories



Back part for surface wiring
200.004

CLIMATE CONTROLS

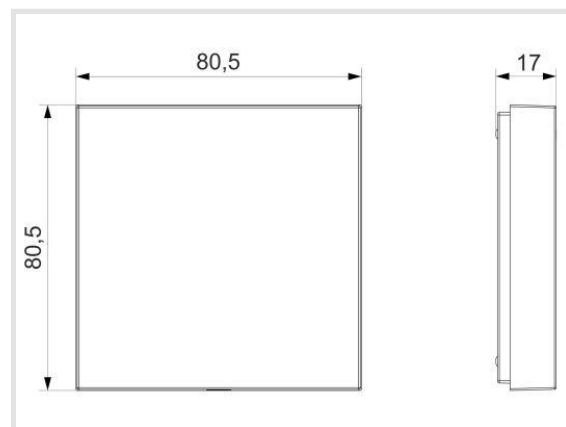
Particulate matter sensor GS 70.00 knx

Order information

	EAN	Art. No.
GS 70.00 knx	4022709240750	24075

Technical data

Supply voltage	via KNX bus voltage
Bus current w/o auxiliary voltage	max. 25 mA (min. 25 V)
Bus current with auxiliary voltage 9...12 V DC	< 5 mA (needed if supply voltage <25 V)
Bus system	KNX
Sensors	particulate matter VOC temperature relative humidity atmospheric pressure dew point VAV ventilation control
Measuring range particulate matter	0...50 µg/m³
Measuring range VOC	0...5.000 µg/m³
Measuring range temperature	0...+50 °C
Measuring range relative humidity	0...100 %
Measuring range atmospheric pressure	300...1.100 hPa
Application software	ETS5 or higher
Permitted ambient temperature	0...+50 °C
Housing	self-extinguishing thermoplastic
Dimensions	80,5 x 80,5 x 17 mm
Housing color	studio white (similar to RAL 9016) specific colors on request
Mounting	wall mounting (preferably combined with flush-mounting box)
Type of connection	push-in connector
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations



Functions and data provided to KNX bus:

Particulate matter	Value output Control (step and PI control) Comparator
VOC	Value output Control (step and PI control)
Relative humidity	Value output Control (step and PI control) Comparator
Temperature	Value output Control heating (2-point- and PI control) Control cooling (2-point- and PI control) Alarms
Dewpoint	Value output Alarms
Air pressure	Value output
VAV control	Value output (0...100%)
and much more...	

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