Product datasheet

Specifications

Air quality sensor, SpaceLogic Sensors, SCD2 Series, CO2, analog output, humidity, 10K T3 thermistor

SCD2XA2HCX

Main

Range of product	SpaceLogic
Product or component type	Sensor
Type of measurement	Humidity Temperature CO2
Device application	HVAC Indoor air quality (IAQ)
location	Indoor
Calibration certificate	Humidity: replaceable RH element available in 1% & 2% with NIST Temperature: 1 pt
Sensor type	Thin film capacitive, replaceable humidity NDIR (non-dispersive infrared) CO2 Solid state temperature Transmitter temperature
CO2 measurement accuracy	+/- 30 ppm + 3 % of reading
CO2 measurement range	0...2000 ppm 0...5000 ppm
CO2 measurement repeatability	+/- 20 ppm +/- 1 % of measured value
Colour	Duct: black and green
Communication network type	Wired
Connections - terminals	Screwless terminals
Enclosure material	Polycarbonate strong housing
Humidity measurement accuracy	+/- 2 % 0...100 % RH
Relative humidity	0…95 % RH, non-condensing
Analogue output type	4...20 mA 0...5 V DC 0...10 V DC
Output type	Analog
Standards	EN 61000 EN 61000-6-2 EN 61000-6-3 EN 61326-1 UL 916 FCC part 15 class A REACH ICES-003 RoHS
Storage Relative Humidity	0…95 % RH, non-condensing
[Us] rated supply voltage	20...30 V DC 24 V AC

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Temperature measurement accuracy	+/- 0.2 °C
Measurement temperature	0…50 °C
Temperature resolution	0.1 °C
product name	Plant Room Air Quality Sensor
Product brand	Schneider Electric
Range	SCD2 Series
targeted region	Middle East and Africa. Europe North America.

Complementary

Market segment	Buildings

Environment

IP degree of protection	IP65

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	31.8 cm
Package 1 Width	15.2 cm
Package 1 Length	11.8 cm
Package 1 Weight	500 g
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2 kg

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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained 〉

How we assess product sustainability 〉

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**264**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

EU RoHS Directive	**Compliant with Exemptions**
China RoHS Regulation	**China RoHS declaration**

Use Again

Repack and remanufacture

Circularity Profile	**End of Life Information**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**
Take-back	**No**

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