

Condensation Detector

ConSensy

1. TECHNICAL DATA

1.1. Technical data of Interface Module

Power supply				
Model	0504230.00	1204230.00	1504230.00	2404230.00
Rated voltage	5 Vdc	12 Vdc	15 Vdc	24 Vdc
Voltage range	4.5÷5.5 Vdc	10.8÷13,2 Vdc	13.5÷16.5 Vdc	21.6÷26.4 Vdc
Maximum current	220 mA	92 mA	74 mA	46 mA
Power absorbed	1.0 W max			
Protections	Polarity inversion – Input fuse			
Sensors inputs				
Nr. of condensation sensors	1 ÷ 4			
Sensor type	Proprietary			
strength to the SELV insulation fault	300 Vac			
Output				
Type	Relay with dry exchange contacts			
Rated voltage	250 Vac			
Maximum voltage	300 Vac / 300 Vdc			
Maximum current	8 A @ 300 Vac / 1 A @ 24 Vdc / 0.15 A @ 300 Vdc			
General data				
Operating temperature	0 ÷ +55 °C			
Storage temperature	-20 ÷ +70°C			
Altitude	4000 m			
Relative humidity	4 ÷ 95 % non-condensing			
Protection level	IP20			
Installation type	Indoor			
Pollution degree	2			
Over Voltage Category	II			
Weight	100 g			
Weight of condensation sensor	< 10 g			
Portable equipment	Yes			
Dew Point temperature accuracy	Typ: < 0.5°C Max: < 1.0°C			
Mechanical data				
Module	DIN43880 Guide Housing			
Dimensions	Width: 53.6 mm / Deph: 102 mm / Height: 63 mm			
Standards				
CEI EN 61010-1:2013+A1:2021 IEC 61010-1:2010+A1:2016 EN 61010-1:2010+A1:2019	Safety requirements for electrical equipment for measurement, control, and laboratory use Part 1: General requirements.			
EN IEC 61000-6-3:2021	Electromagnetic compatibility (EMC) Part 6-3: Generic standards - Emission standard for equipment in residential environments.			
EN IEC 61000-6-2:2019	Electromagnetic compatibility (EMC) Part 6-2: Generic standards - Immunity standard for industrial environments.			

1.2. Technical data of Condensation Sensor

Condensation sensor	
Model	20000+C
Max voltage	5 Vdc
Operating temperature	-20 °C ÷ 125°C
Storage temperature	-20 °C ÷ 70°C
Dimensions	37.5 mm x 43 mm
Minimum radius of curvature	10 mm

1.3. Technical data of “AC POWER SUPPLY” option

This option is suitable for powering the Interface Module with 5 Vdc power input, code 0504230.00

AC power supply	
Model	2301005.00
Rated input voltage	120/230 Vac 50/60 Hz
Rated input voltage range	100÷240 Vac 50/60 Hz
Power	10 W ⁽¹⁾
Output voltage	5.0 Vdc (SELV)
Operating temperature	0 °C ÷ 40°C
Storage temperature	0 °C ÷ 40°C
Protection	Output short circuit
Isolation	Reinforced

(1): Power may vary based on availability, but it will always be suitable for powering Interface Module code 0504230.00.

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