TUCH3 – humidity and temperature transducers

For industrial applications



The appearance of the product may differ from the illustration. Technical specifications are subject to change.

SERIA TUCH3

PURPOSE

Humidity and temperature measurements:

APPLICATIONS

Designed for industrial applications with air duct mounting or wall mounting.

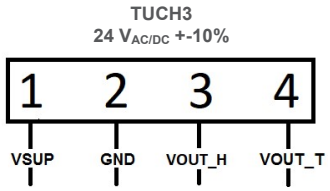
Type	Range [rH]	Output (humidity)	Temperature range	Protection class	Application
TUCH3	0...100%			IP54	air duct

Operating temperature for all humidity transmitters: -5...+50°C

TECHNICAL SPECIFICATION

Power supply:	24 V_{AC} ±10%, 15 – 24 V_{DC} +10%/-5%
Output:	see figure
Power consumption:	< 1 W
Electric connection:	screw terminals max. 0.75 mm^2
Measuring ranges	see table
Working temperature range:	-5...+50°C
Working conditions:	10...95 % rH
Storage:	-20...+70°C
Accuracy:	rH ±3% at 20°C temperature: ±3% (both ranges)
Housing:	cover: polycarbonate
Protection:	IP54
Dimensions:	50 x 48 x 36 mm
Weight:	180...300 g

ELECTRICAL WIRING



VSUP – power supply voltage
GND – ground (measurement and power supply)
VOUT_H – humidity measurement signal 0-5V/0-10V
VOUT_T – temperature measurement signal 0-5V/0-10V

OUTPUT SIGNAL / TEMPERATURE RANGE



1 ON – (0-10V)
1 OFF – (0-5V)

2 ON – (-40-50°C)
2 OFF – (0-50°C)

Due to continuous product improvement, specifications are subject to change without notice.

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