

2 analog outputs module for F4N400Cat. N°:
F4N101

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2 analog outputs module for F4N400

Cat. N°:

F4N101

1. DESCRIPTION - USE

2 analog outputs module.

Allows the remote repetition, via analog signal 0÷20 mA et/or 4÷20 mA of two electrical quantities.

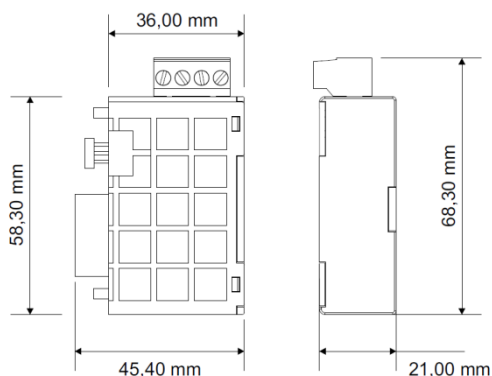
2. RANGE

- Cat. N° F4N101: 2 analog outputs module, 0/4 ÷ 20 mA; associable only to multifunction measuring device F4N400.
- It is possible to connect a maximum of two modules F4N101 obtaining four analog outputs.

Auxiliary supply:

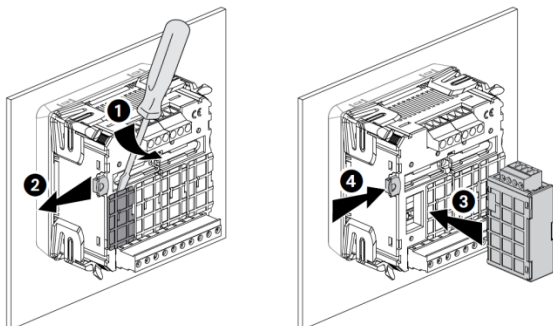
- Supplied by the multifunction measuring device F4N400

3. OVERALL DIMENSIONS



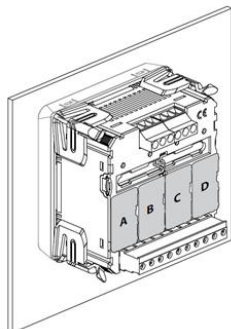
4. FIXING - CONNECTION

Fixing:



Note: modules must be connected with the device F4N400 not supplied.

Associability table:

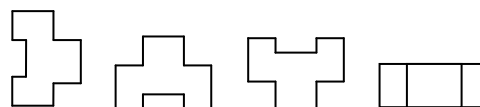


	A	B	C	D	
F4N101	x	x	✓	✓	max. 2
F4N102	x	x	✓	✓	max. 2
F4N103	✓	✓	✓	✓	max. 2
F4N104	✓	x	x	x	max. 1
F4N105	✓	x	x	x	max. 1
F4N106	x	x	x	✓	max. 1
F4N107	x	✓	x	x	max. 1

4. FIXING - CONNECTION (continued)

Operating position:

- Vertical
- Horizontal
- Upside down
- On the side



Screw terminals:

- Terminal depth: 8 mm.
- Stripping length: 8 mm

Screw head:

- Screw slotted.

Recommended tightening torque:

- 0,6 Nm.

Tools required:

- For terminals: flat screwdriver 3,5 mm
- For fixing the modules to the measuring device: flat screwdriver max. 5 mm.

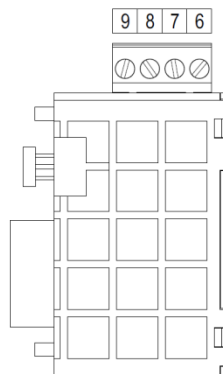
Connectable section:

- Copper cables.

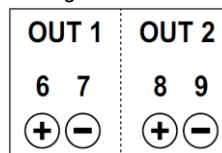
	Without ferrule	With ferrule
Rigid cable	0,05 to 4,5 mm ²	-
Flexible cable	0,05 to 2,5 mm ²	0,05 to 2,5 mm ²

Wiring diagrams:

- Terminals identifications



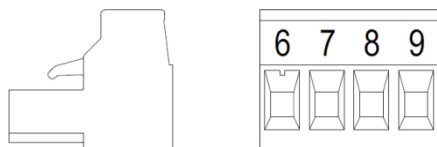
- Wirings



5. GENERAL CHARACTERISTICS

Terminals marking:

- . By permanent ink pad printing.



Variables associate to the analog output:

- . Phase voltages, V1N, V2N, V3N
- . Chained voltages, U12, U23, U31
- . Phase currents, I1, I2, I3
- . Current - average value
- . Frequency, f
- . Three-phase active power (positive or negative), P
- . Phase active powers (positive or negative), P1, P2, P3
- . Three-phase reactive power (positive or negative), Q
- . Phase reactive powers (positive or negative), Q1, Q2, Q3
- . Active power - average value
- . Reactive power - average value
- . Lagging (PFL) or capacitive (PFC) power factor
- . Temperature (T1, T2) from external probe (with module F4N106)

Analog output's characteristics:

- . Type: unidirectional at real or figurative zero for variable output load
- . Rated values: 0+20 mA or 4+20 mA
- . Response time: ≤ 600 ms
- . Output load: $\leq 750 \Omega$

Accuracy class:

- . cl: 0,5

Plastic material:

- . Self-extinguishing polycarbonate.

Ambient operating temperature:

- . Min. = - 5 °C Max. = + 55 °C.

Ambient storage temperature:

- . Min. = - 25 °C Max. = + 70 °C.

Impulse withstand voltage:

- . Supply / Out 1 - Out 2:
alternate current 50 Hz / 1 min.: 2 kV
- . Measuring inputs / Out 1 - Out 2:
alternate current 50 Hz / 1 min.: 2 kV

Note: values referred to combination measuring device + add-on module.

Average weight per device:

- . 0,040 kg.

Volume when packed:

- . 0,30 dm³

Consumption:

- . Module F4N101: ≤ 2 VA
- . Measuring device F4N400 + 1 Module F4N101: ≤ 6 VA
- . Measuring device F4N400 + 2 Modules F4N101: ≤ 8 VA

6. COMPLIANCE AND APPROVALS

Compliance to standards:

- . Compliance with Directive on electromagnetic compatibility (EMC) n° 2004/108/EC
- . Compliance with low voltage directive no. 73/23/CEE dated 19 February 1973, modified by directive no. 93/68/CEE dated 22 July 1993, modified by directive n° 2006/95/CE.