

EAN code  
IOU3-108M: 8595188181884  
Order Code: 8188

## Technical parameters IOU3-108M

### Outputs

Output:	8x switching 8 A/AC1
Switched voltage:	250 V AC1, 150 W/DC
Switched output:	2500 VA/AC1, 150 W/DC
Peak current:	10 A
Output relays separated from all internal circuits:	reinforced insulation (Cat. II surges by EN 60664-1)
Isolation between relay outputs COM1, COM2 and COM3:	basic insulation (Cat. II surges by EN 60664-1)
Isolates. voltage open relay contact:	1 kV
Max. current of one common terminal:	16 A
Minimal switched current:	100 mA/10 V DC
Switching frequency without load:	300 min <sup>-1</sup>
Switching frequency with rated load:	15 min <sup>-1</sup>
Mechanical life:	10 000 000
Electrical life AC1:	100 000
Mains voltage detection:	yes - (relay switched to neutral)

### Inputs

Input:	8x NO or NC against GND (-)
Max. frequency pulse reading:	20 Hz
Temperature input for temperature measuring:	2x input for external thermo sensor TC, TZ (NTC 12k)
Temperature measurement range:	by type of sensor, prob from -40 °C to 125 °C
Converter resolution:	15 bit

### Communication

Installation BUS:	BUS
Status indication unit:	green LED RUN

### Power supply

Voltage of BUS/tolerance/nominal current:	27 V DC, -20/+10 %, 110 mA
Dissipated power:	3 W

### Connection

Terminal:	max. 2.5 mm <sup>2</sup> /1.5 mm <sup>2</sup> with sleeve
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### Operating conditions

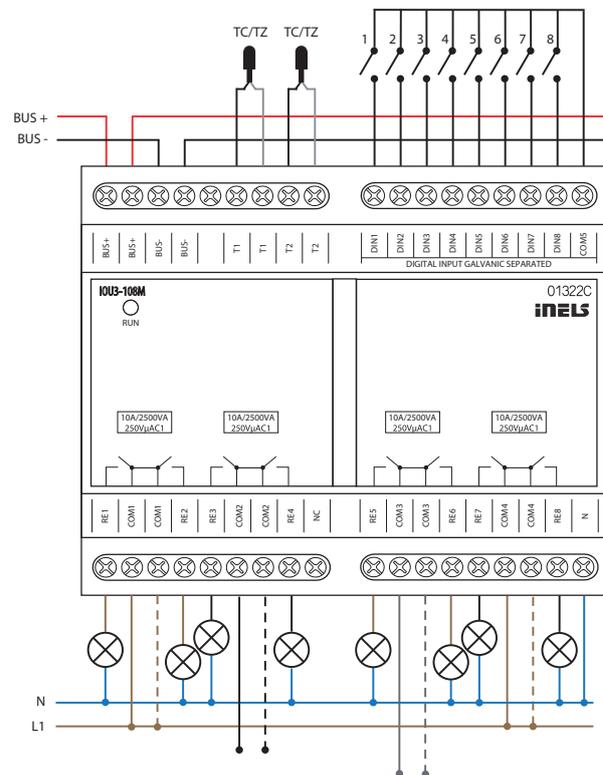
Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP20 device, IP40 mounting in the switchboard
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	switchboard on DIN rail EN 60715
Design:	6-MODULE

### Dimensions and weight

Dimensions:	90 x 105 x 65 mm
Weight:	310 g
Standards:	EN 63044-1

- IOU3-108M is combined actuator equipped with 8 binary inputs, 2 temperature inputs and 8 independent relays with switching potential-free contacts.
- Binary inputs IOU3-108M are used to connect up to 8 devices with a potential-free contact (such as switches, buttons, burglar alarm and fire detectors or others).
- The unit can be used to read pulses from energy meters with a pulse output.
- The temperature inputs support the connection of the following temperature sensors: TC / TZ - 2-wire connection.
- They are used in cases where it is necessary to measure the temperature, eg floor/space, indoor/outdoor temperature, technological equipment - boiler rooms, solar heating, etc.
- The maximum load capacity of the contacts is 10 A / 2500 VA / AC1.
- Each of the output is individually controllable and addressable.
- The relays are divided into four pairs, where each pair switches its common potential.
- The actuator is designed for switching up to eight different appliances and loads via a relay output (potential-free contact).
- IOU3-108M in 6-MODULE design is designed for mounting in a switchboard on DIN rail EN60715.

### Connection



### Diagram

