



EAN code
CU3-10M: 8595188185219

Technical parameters

CU3-10M

Indication LED STATUS

| | |
|--------------|--|
| Green - RUN: | Flashing-communication with BUS, On-no communication |
| Red- ERR: | Flashing - no project, ON - unit STOP |

Communication

| | |
|---------------------------------------|--|
| System bus BUS1 | |
| Status indication (LED BUS): | green - unit status indication red - BUS fault indication |
| Maximum number of units: | max. 32 units to one BUS line |
| Maximum line length: | max. 300 m (depends on power loss) |
| Ethernet | |
| Connector: | RJ45 |
| Communication speed: | 100 Mbps |
| Ethernet status indication (LED ETH): | green - Ethernet communication yellow - Ethernet speed 100 Mbps |
| Default IP address: | 192.168.1.1 |

RESET button

| | |
|---------------------------------|--|
| Restart: | short press |
| Reset (factory reset settings): | press the button to apply power, release the button 10 s after power is applied |

Power

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|---------------------------|--------------------|
| BUS | |
| Supply voltage/tolerance: | 27 V DC, -20/+10 % |
| Rated current: | 50 mA (at 27 V DC) |

Operating conditions

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|-----------------------|---|
| Working temperature: | -20 to +55 °C |
| Storage temperature: | -25 to +70 °C |
| Air humidity: | max. 80% |
| Degree of protection: | IP20 device, IP40 with cover in the switchboard |
| Surge category: | II. |
| Degree of pollution: | 2 |
| Working position: | any |
| Installation: | to the switching board on the EN 60715 DIN rail |
| Design: | 1-MODULE |
| Terminal plate: | max. 2.5 mm ² |

Dimensions and weight

| | |
|-------------|-------------------|
| Dimensions: | 94 x 17.6 x 64 mm |
| Weight: | 72 g |

- CU3-10M is one of the basic system control units of iNELS BUS installations.
- The unit can work independently, as an autonomous project, or it can be controlled by the IP-MASTER as part of a larger project.
- The unit is equipped with one BUS to which it is possible to connect up to 32 elements from the iNELS BUS portfolio.
- The current load of one line is max. 1 A. BPS3-01M with 3 A can be used in case of connected device with more than 1 A.
- The CU3-10M system unit is equipped with one Modbus system bus. The Modbus system bus allows control of modbus thermostat and Air condition units (RS-485).
- The RJ45 100 Mbps Ethernet connector is used for direct communication with the cloud for mobile app control or for communication with the superior unit within the iNELS IP topology.
- Configuration takes place in the iNELS3 Designer & Manager software (iDM3). Through iDM3 it is possible to update the firmware of central units and bus connected peripheral units.
- The unit is powered by 27 V DC from inels power supply.
- System units CU3-10M in 1-MODULE design are designed for mounting into a switchboard on DIN rail EN60715.

Connection

