



EAN code
CU3-07M: 8595188180108
Order Code: 8010

Technical parameters CU3-07M

Indication LED STATUS

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

Communication

iNELS BUS	
Indication (LED BUS):	green - unit status indication red - BUS fault indication
Maximum number of units:	max. 32 units to one BUS line
Maximum cable length:	max. 300 m (depends on power loss)
Ethernet	
Connector:	RJ45
Communication speed:	100 Mbps
Indication of the Ethernet (LED ETH):	green - Ethernet communication yellow - Ethernet speed 100 Mbps
The default IP address:	192.168.1.1

Button RESET

Restart:	short press
Reset (Factory Reset):	press the button to apply power, release the button 10 s after power is applied

Power supply

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

Operating conditions

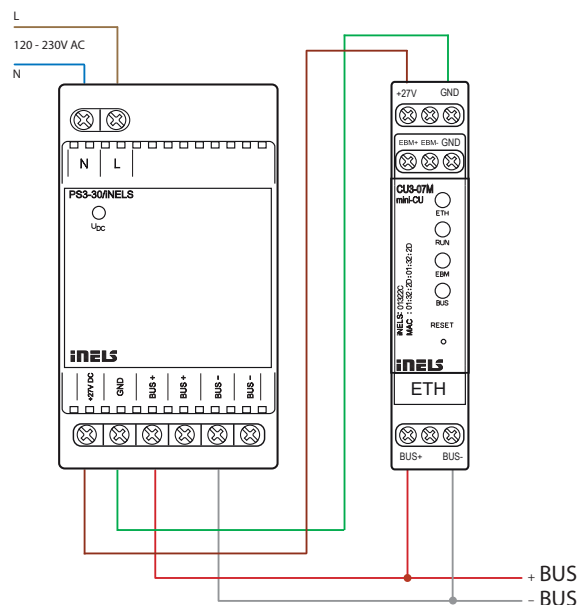
Operating temperature:	-20 to +55 °C
Storage temperature:	-25 to +70 °C
Humidity:	max. 80%
Protection degree:	IP20 device, IP40 with cover in the switchboard
Oversvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	to the switching board on the EN 60715 DIN rail
Design:	1-MODULE
Terminal:	max. 2.5 mm ²

Dimensions and weight

Dimensions:	94 x 17,6 x 64 mm
Weight:	72 g
Standards:	EN 63044-1, EN 62368-1

- CU3-07M 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 central software 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 incase of connected device with more than 1 A.
- 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 central unit is implemented with MQTT protocol for 3rd party communication.
- The unit is powered by 27 V DC from iNELS power supply.
- System units CU3-07M in 1-MODULE design are designed for mounting into a switchboard on DIN rail EN60715.

Connection



max. 32 units per BUS; max. 1A (PS3-30 / iNELS) per BUS