CU3-08M | Central unit with 2x BUS

EAN code
CU3-08M: 8595188184403
Order Code: 9163

- CU3-08M is one of the basic system control 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 units is equipped with two BUS, to which it is possible to connect a total of up to 64 elements (2x32) 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 units is powered by 27 V DC from iNELS power supply. BUS1 can power the central unit.
- System units CU3-08M in 1-MODULE design are designed for mouting into a switchboard on DIN rail EN60715.

Technical parameters	CU3-08M
Indication LED STATUS	
Green - RUN:	The main program runs
Red- ERR:	The main program stalled
Communication	
System bus BUS1/BUS2	
Status indication (LED BUS):	green - indication of the operating status of the bus red - error indication on the bus
Maximum number of units:	2x32 Units
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 bring power on, button release 10 s after power is supplied
Power	
BUS1	
Supply voltage/tolerance:	27 V DC, -20/+10 %
Rated current:	50 mA (at 27 V DC)
BUS2	
Supply voltage/tolerance:	27 V DC, -20/+10 %
Rated current:	50 mA (at 27 V DC)
Operating conditions	
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 control cabinet
Surge category:	II.
Degree of pollution:	2
Working position:	any
Installation:	to the control cabinet for DIN rail EN 60715
Design:	1-MODULE
Terminal plate:	max. 2.5 mm²
Dimensions and weight	
Dimensions:	94 x 17.6 x 64 mm
Weight:	72 g
Standards:	EN 63044-1, EN 62368-1

Connection