MI3-02M | External master BUS



EAN code
MI3-02M: 8595188132411
MI3-02M/iNELS2: 8595188150637

Technical parameters	MI3-02M
Outputs	
Number of connected units:	max. 64 (2x32)
Communication	
Installation BUS:	2x BUS for connection of peripheral units
Data BUS:	for communication with central unit
Unit status indication:	green LED
BUS fault indication:	red LED
Length of BUS wire:	max. 2x 550 m
Length of BUS EBM wire:	max. 500 m
Power supply	
Supply voltage / tolerance:	27 V DC, -20 / +10 %
Rated current:	25 mA (at 27V DC)
Operating conditions	
Operating temperature:	-20 .. +55 °C
Storage temperature:	-25 .. +70 °C
Humidity:	max. 80 %
Protection degree:	IP20 device, IP40 mounting in the switchboard
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	in a switchboard on DIN rail EN 60715
Design:	1-MODULE
Terminal:	max. 2.5 mm²
Dimensions and weight	
Dimensions:	90 x 17.6 x 64 mm
Weight:	58 g

- External master MI3-02M provides expansion of the amount of units iNELS3 connected to the central unit CU3-01M or CU3-02M of two other lines of BUS (i.e. about 2x32 peripheral units).
- If you require the use of a central unit CU3-01M (02M) in combination with the iNELS2 units, all the units must be connected to the BUS lines, which are based on an external master MI3-02M/iNELS2.
- Through the system BUS EBM, it is possible to connect to one central unit up to 8 external masters MI3-02M or MI3-02M/iNELS2.
- Combining central unit CU3-01M (02M) and 8 external masters MI3-02M we can reach maximum capacity of iNELS system up to 576 peripheral units.
- If you require an extended system then it is possible to use communication of up to 8 central units with iMM or Connection server using ELKONET protocol, eventually the integration of more central units into BMS via ASCII protocol.
- MI3-02M and MI3-02M/iNELS2 have marked on the front panel of the unique hardware address. This address belongs to the line BUS1. Hardware address of BUS2 line is always one value higher than for BUS1.
- MI3 units are supplied from PS3-100/iNELS.
- To power the lines BUS, it is necessary to use a BUS separator BPS3-02M or BPS3-01M (supply only one line). In case of using MI3-02M/iNELS2 is used BPS2-02M or BPS2-01M.
- Status signaling of each BUS (operation, fault) is indicated by two-color LEDs on the front panel of the module.
- The last MI2-02M connected to the EBM BUS must be closed with a 120 Ω termination resistor. This part adapted to be inserted between terminals is included into central units packages and it is necessary to insert between terminals EBM+ and EBM-.
- MI3-02M, MI3-02M/iNELS2 in 1-MODULE version is designed for mounting into a switchboard, on DIN rail EN60715.

Connection

