



EAN code  
MI3-02M: 8595188132411

Technical parameters		MI3-02M
<b>Outputs</b>		
Number of connected units:	max. 64 (2x32)	
<b>Communication</b>		
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 500 m	
Length of BUS EBM wire:	max. 500 m	
<b>Power supply</b>		
Supply voltage / tolerance:	27 V DC, -20 / +10 %	
Dissipated power:	max. 1 W	
Rated current:	25 mA (at 27V DC)	
<b>Operating conditions</b>		
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 mm <sup>2</sup>	
<b>Dimensions and weight</b>		
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).
- Through the system BUS EBM, it is possible to connect to one central unit up to 8 external masters MI3-02M.
- 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 Connection server using ELKONET protocol, eventually the integration of more central units into BMS via ASCII protocol.
- MI3-02M 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).
- 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 in 1-MODULE version is designed for mounting into a switch-board, on DIN rail EN60715.

## Connection

