MI3-02M/ETH | External master BUS with Ethernet communication



EAN code MI3-02M/ETH: 8595188180856

Green LED RUN: Red LED ERR: Flashing - communication with BUS, ON - no communication Red LED ERR: Flashing - no project, ON - unit STOP Communication 2 x BUS Indication (LED BUS): Green - unit status indication red - BUS fault indication max. 32 units to one BUS line Maximum number of units: Maximum cable length: FBM Indication (LED EBM): Green - indication communication red - fault indication max. 30 m (depends on power loss) EBM Indication (LED EBM): Green - indication communication red - fault indication Maximum cable length: FEH Connector: FBJ45 Communication speed: Green - Ethernet communication green - Ethernet speed 100 Mbps Indication of the Ethernet (LED ETH): Holderfault P address: FREST: FREST	Technical parameters	MI3-02M/ETH	
Red LED ERR: Flashing - no project, ON - unit STOP Communication 2x BUS Indication (LED BUS): green - unit status indication red - BU5 fault indication Maximum number of units: max. 32 units to one BUS line Maximum cable length: max. 300 m (depends on power loss) EBM Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: max. 300 m Ethernet Connector: RJ45 Communication speed: 100 Mbps Indication of the Ethernet green - Ethernet communication (LED ETH): 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: -25 to +70 °C Humidity: max. 80% Protection degree: 1P20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions: 94 x 17.6 x 64 mm	Indication LED STATUS		
Communication 2x BUS Indication (LED BUS): green - unit status indication red - BUS fault indication max. 32 units to one BUS line Maximum cable length: max. 300 m (depends on power loss) EBM Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: max. 300 m Ethernet Connector: RJ45 Communication speed: 100 Mbps Indication of the Ethernet green - Ethernet communication yellow - Ethernet speed 100 Mbps Indication of the Ethernet green - Ethernet speed 100 Mbps Indication of the Ethernet green - Ethernet communication yellow - Ethernet speed 100 Mbps The default IP address: 192.168.1.1 Button RESET Restart: short press Rester (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: 1P20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Green LED RUN:	Flashing - communication with BUS, ON - no communication	
2x 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) EBM Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: max. 300 m Ethernet Connector: RJ45 Communication speed: Indication of the Ethernet (LED ETH): yellow - Ethernet communication Indication of the Ethernet green - Ethernet communication yellow - Ethernet speed 100 Mbps Indication of the Ethernet 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: -25 to +70 °C Humidity: max. 80% Protection degree: -25 to +70 °C Humidity: max. 80% Protection degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Red LED ERR:	Flashing - no project, ON - unit STOP	
Indication (LED BUS): green - unit status indication red - BUS fault indication Maximum number of units: Maximum cable length: EBM Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: Button RESET Reset (Factory Reset): Reset (Factory Reset): Supply voltage/tolerance: Rated current: Doperating conditions Operating temperature: Coperating degree: Potentian indication Rated current: Difference 100 Mbps 100 Mbps	Communication		
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) EBM Indication (LED EBM): green - indication communication	2x BUS		
BBM Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: Ethernet Connector: RJ45 Communication speed: Indication of the Ethernet (LED ETH): yellow - Ethernet speed 100 Mbps Indication RESET Restart: Reset (Factory Reset): press the button to apply power, release the button 10 s after power is applied Power supply Supply voltage/tolerance: Rated current: Derating conditions Operating conditions Operating temperature: -20 to +55 °C Storage temperature: -25 to +70 °C Humidity: Protection degree: -2 (P20 devices, IP40 with cover in the switchboard Overvoltage category: Il. Pollution degree: -2 (P20 devices, IP40 with cover in the switchboard Overvoltage category: Installation: -2 (P20 devices, IP40 with cover in the EN60715 DIN rail Design: -2 (P30 devices, IP40 max. 2.5 mm² Dimensions and weight Dimensions: -4 (P4 x 17.6 x 64 mm	Indication (LED BUS):		
EBM Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: max. 300 m Ethernet Connector: RJ45 Communication speed: Indication of the Ethernet (LED ETH): yellow - Ethernet speed 100 Mbps Indication not the Ethernet (LED ETH): yellow - Ethernet speed 100 Mbps Button RESET Restart: 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: 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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Maximum number of units:	max. 32 units to one BUS line	
Indication (LED EBM): green - indication communication red - fault indication Maximum cable length: Ethernet Connector: RJ45 Communication speed: Indication of the Ethernet (LED ETH): yellow - Ethernet speed 100 Mbps The default IP address: Button RESET Restart: Reset (Factory Reset): press the button to apply power, release the button 10 s after power is applied Power supply Supply voltage/tolerance: Rated current: Derating temperature: Storage temperature: Protection degree: IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: Operating position: Installation: to the switching board on the EN60715 DIN rail Design: I-MODULE Terminal: max. 2.5 mm² Dimensions: 94 x 17.6 x 64 mm	Maximum cable length:	max. 300 m (depends on power loss)	
red - fault indication Maximum cable length: max. 300 m Ethernet Connector: RJ45 Communication speed: 100 Mbps Indication of the Ethernet green - Ethernet communication (LED ETH): 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: -25 to +70 °C Humidity: max. 80% Protection degree: IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	EBM		
Ethernet Connector: RJ45 Communication speed: 100 Mbps Indication of the Ethernet green - Ethernet communication (LED ETH): 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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Indication (LED EBM):		
Connector: Communication speed: Indication of the Ethernet Indication of the Ethernet (LED ETH): Indication of the Ethernet Indication Indication of the Ethernet Indication Indication of the Ethernet Indication Indicati	Maximum cable length:	max. 300 m	
Communication speed: Indication of the Ethernet (LED ETH): yellow - Ethernet speed 100 Mbps The default IP address: Button RESET Restart: Reset (Factory Reset): press the button to apply power, release the button 10 s after power is applied Power supply Supply voltage/tolerance: Rated current: 50 mA (at 27 V DC) Operating conditions Operating temperature: Storage temperature: -20 to +55 °C Storage temperature: -25 to +70 °C Humidity: max. 80% Protection degree: Overvoltage category: Pollution degree: Operating position: Installation: to the switching board on the EN60715 DIN rail Design: Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Ethernet		
Indication of the Ethernet (LED ETH): (LE	Connector:	RJ45	
(LED ETH): 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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Communication speed:	100 Mbps	
The default IP address: 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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Indication of the Ethernet	green - Ethernet communication	
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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	(LED ETH):	yellow - Ethernet speed 100 Mbps	
Restart: Reset (Factory Reset): Power supply Supply voltage/tolerance: Rated current: Operating conditions Operating temperature: Humidity: Humidity: Protection degree: Operating category: Pollution degree: Operating position: Installation: Design: Terminal: Dimensions and weight Press the button to apply power, release the button 10 s after power is applied Press the button to apply power, release the button 10 s after power is applied Protect of the suppose to the service of the suppose to the switchboard of the switchboard of the switchboard of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN60715 DIN rail of the switching board on the EN6	The default IP address:	192.168.1.1	
Reset (Factory Reset): press the button to apply power, release the button 10 s after power is applied Power supply Supply voltage/tolerance: 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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Button RESET		
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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Restart:	short press	
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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Reset (Factory Reset):	press the button to apply power,	
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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm		release the button 10 s after power is applied	
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 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Power supply		
Operating conditions Operating temperature: -20 to +55 °C Storage temperature: -25 to +70 °C Humidity: max. 80% Protection degree: IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Supply voltage/tolerance:	27 V DC, -20/+10 %	
Operating temperature: Storage temperature: Humidity: Protection degree: Operating position: Installation: Design: Terminal: Dimensions and weight Dimensions: Storage temperature: -20 to +55 °C -25 to +70 °C max. 80% IP20 devices, IP40 with cover in the switchboard IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail 1-MODULE max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Rated current:	50 mA (at 27 V DC)	
Storage temperature: Humidity: Protection degree: Overvoltage category: Pollution degree: Operating position: Installation: Design: Terminal: Dimensions and weight Dimensions: 1-25 to +70 °C max. 80% IP20 devices, IP40 with cover in the switchboard IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Pax. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Operating conditions		
Humidity: max. 80% Protection degree: IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Operating temperature:	-20 to +55 °C	
Protection degree: IP20 devices, IP40 with cover in the switchboard Overvoltage category: II. Pollution degree: 2 Operating position: any Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Storage temperature:	-25 to +70 ℃	
Overvoltage category: Pollution degree: Operating position: Installation: Design: Terminal: Terminal: Dimensions and weight Dimensions: 1. 94 x 17.6 x 64 mm	Humidity:	max. 80%	
Pollution degree: Operating position: Installation: Design: Terminal: Terminal: Dimensions and weight Dimensions: 2 2 2 Any Any Any Any Any Any Any Any Any An	Protection degree:	IP20 devices, IP40 with cover in the switchboard	
Operating position: Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Overvoltage category:	II.	
Installation: to the switching board on the EN60715 DIN rail Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Pollution degree:	2	
Design: 1-MODULE Terminal: max. 2.5 mm² Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Operating position:	any	
Terminal: max. 2.5 mm² Dimensions and weight 94 x 17.6 x 64 mm	Installation:	to the switching board on the EN60715 DIN rail	
Dimensions and weight Dimensions: 94 x 17.6 x 64 mm	Design:	1-MODULE	
Dimensions: 94 x 17.6 x 64 mm	Terminal:	max. 2.5 mm²	
	Dimensions and weight		
Weight: 72 g	Dimensions:	94 x 17.6 x 64 mm	
	Weight:	72 g	

- The external master MI3-02M/ETH enables the expansion of the number of connected iNELS3 peripheral units to the central unit CU3 by another two lines of the installation BUS (by 2x 32 peripheral units).
- The unit can communicate with the CU3 central unit via the EBM system bus or via Ethernet.
- Up to 8 pcs of MI3-02M/ETH can be connected to one CU3 via the EBM bus.
- The unit MI3-02M/ETH is powered by a PS3-100/iNELS or PS3-30/iNELS power supply
- The status of each BUS line of the installation (run, error), EBM and ETH is signaled by the corresponding color LED on the front panel of the
- If this is the first or last unit on the EBM system bus, the line must be terminated with a resistor with a nominal resistance of 120 Ω .
- MI3-02M/ETH is a 1-MODULE version, designed for mounting in a switch-board on DIN rail EN60715.

Connection

