



EAN code

CU3-05M: 85951881181

CU3-06M: 8595188176118

Technical parameters	CU3-05M, CU3-06M
<b>LED Indication</b>	
Green LED RUN:	indication of the operating status of the unit
Red LED ERR:	unit error indication
<b>Communication - 2x BUS</b>	
Maximum number of units:	2x max. 32 units
Maximum cable length:	max. 300 m (depends on power loss)
<b>System BUS EBM</b>	
Maximum cable length:	max. 500 m
Number of connected ext. masters:	up to 8 (regards to increasing the cycle turns)
<b>Ethernet</b>	
Connectors:	RJ45 on the front panel
Communication speed:	100 Mbps
Indication of the Ethernet:	green - Ethernet communication yellow - Ethernet speed 100 Mbps
The default IP address:	192.168.1.1
Possibility to connect ext. Ethernet masters:	yes
Number of connected ext. ETH masters:	až 8
<b>Power supply</b>	
Supply voltage/tolerance:	27 V DC, -20/+10 %
Dissipated power:	110 mA (při 27 V DC)
<b>Operating conditions</b>	
Working temperature:	-20 to +55 °C
Storage temperature:	-25 to +70 °C
Humidity:	max. 80%
Degree of protection:	IP20 devices, IP40 with cover in the switchboard
Overvoltage category:	II.
Degree of pollution:	2
Operating position:	any
Installation:	to the switching board on the EN60715 DIN rail
Design:	2x 6-MODULE
Terminal:	max. 2.5 mm <sup>2</sup>
<b>Dimensions and weight</b>	
Dimensions:	90 x 210 x 65 mm
Weights:	457 g

### iNELS RF Control interface for CU3-06M

Communication protocol:	RF Touch Compatible
Transmitting frequency:	866 MHz/868 MHz/916 MHz
Signal transmission methods:	bidirectionally addressed message
Output for RF antenna:	SMA connector*
RF antenna:	1 dB (part of package)
Free space range:	up to 100 m

\* Max Tightening Torque for antenna connector is 0.56 Nm.

- CU3-05M and CU3-06M are the new central units of the iNELS system and are an intermediary between the user programming environment and controllers, units and actuators connected to the bus.
- Up to two BUS lines can be connected directly to the CU3-05M and CU3-06M, and up to 32 iNELS3 units can be connected to each BUS.
- With the new processors you can manage your complex tasks literally instantly.
- Additional units can be connected to the system via MI3-02M expansion modules, which are connected to the CU3-05M (06M) via the EBM system bus.
- Additional units can be connected to the system via MI3-02M/ETH expansion modules, which are connected to the CU3-05M (06M) via Ethernet.
- The CU3-06M central unit differs from the CU3-05M in that it is additionally equipped with an RF module enabling communication with selected units from the iNELS RF Control system.
- The user project and retentive data are stored on non-volatile internal memories and the data is therefore backed up even without the presence of supply voltage. Real time backup (RTC) for 10 days.
- Possibility to set time synchronization via NTP server.
- The RJ45 Ethernet port connector is located on the bottom of the unit; the transfer rate is 100 Mbps.
- CU3-05M, CU3-06M in 6-MODULE version are designed for mounting in a switchboard on DIN rail EN60715.

