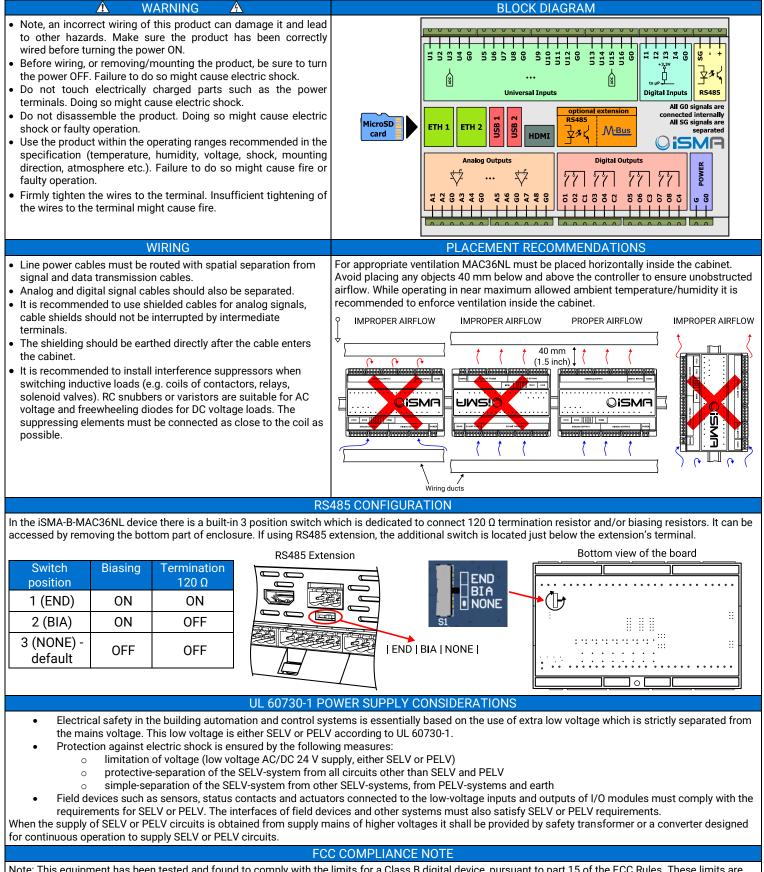


iSMA-B-MAC36NL iSMA-B-MAC36NL-RS iSMA-B-MAC36NL-M

	FC	CE	Ro	HS	X
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SPECIFICATION							
Power Supply	DC: 24 V ± 20%, 14 W; AC: 24 V ± 20%, 24 VA						
Universal Inputs	16x voltage, current, resistance, temperature measurement, dry contact inputs						
Digital Inputs	4x dry contact inputs, high-speed pulse counter up to 100 Hz						
Digital outputs	8x relay output		Maximum ratings	UL compliant ratings			
	Resistive load max.		3 A @ 230 V AC	3 A @ 24 V AC			
			3 A @ 30 V DC	3 A @ 30 V DC			
	Inductive load max.		75 VA @ 230 V AC	8 VA @ 24 V AC			
			30 W @ 30 V DC	30 W @ 30 V DC			
Analog Outputs	8x 0-10 V DC outputs, maximum load up to 20 mA						
Processor	Multicore Cortex-A Series ARM Processor						
Interfaces	Standard	2x 10/100	0/100 Ethernet, 1x RS485 (half duplex, optoisolated),				
		2x USB (1x Host, 1x OTG), HDMI					
	Extensions	Additional RS485 (half duplex, optoisolated), or					
		M-Bus (optoisolated, built-in power supply for 20 devices max.)					
Ingress Protection	IP20 - for indoor installation						
Temperature	Operating: 0°C to 50°C (32°F to 122°F)						
	*See "Placement Recommendations" for more information;						
	Storage -40°C to 85°C (-40°F to 185°F)						
Relative Humidity	5 to 95% RH (without condensation)						
Connectors	Removable screw terminals, separable 0.5 2.5 mm ² (18 12 AWG)						
Dimensions	160 x 111 x 62 mm (6,3" x 4,4" x 2,45")						
Mounting	DIN rail mounting (DIN EN 50022 norm)						
Housing material	Plastic, self-extinguishing PC/ABS						

TOP PANEL Digital inputs RS485 Universal inputs status status status \bigcirc System status LED Alarm LED ETH1 LED ETH2 LED EXT LED 8888888 iSMA-B-MAC36NL (Analog outputs status Digital outputs status Power status **UNIVERSAL INPUTS DIGITAL INPUTS** Voltage measurement **Current measurement Temperature measurement** Dry contact input Dry contact input U1 U2 U3 U4 G0 I1 I2 I3 I4 GO $\emptyset \emptyset \emptyset \emptyset \emptyset \emptyset$ $\emptyset \emptyset \emptyset \emptyset \emptyset \emptyset$ $\emptyset \emptyset \emptyset \emptyset$ $\emptyset \emptyset \emptyset \emptyset$ \oslash Shielded Input impedance 100 kΩ + 4 200 Ω Twisted Cable Shielded Shielded Shielded Twisted Cable wisted Cable Twisted Cable 0-10 V DC Sensor 0-20 mA Sensor power supply from PELV/SELV source Sensor power supply from PELV/SELV source 10k Thermistor Output current ~1 mA Output current ~1 mA **DIGITAL OUTPUTS** COMMUNICATION POWER SUPPLY **Connection of electrovalve** Connection of resistive load **Connection of inductive load** G GO SG 01 02 C1 03 04 C2 RS485 01 02 C1 03 04 C2 01 02 C1 03 04 C2 $\emptyset \emptyset \emptyset$ ØØ Modbus $\emptyset \emptyset \emptyset \emptyset \emptyset$ ØØØØØØØ \oslash Ø $\emptyset \emptyset \emptyset \emptyset \emptyset \emptyset$ or BACnet GND 24 v 24 V 24 V 24 V Max 8 VA Max 3A ¥ Μ Max 3A AC/DC DC AC AC + Shielded Twisted Cable Power supply from PELV/SELV source Every CX terminal can be supplied by different PELV/SELV source Every CX terminal can be supplied by different PELV/SELV source Every CX terminal can be supplied by different PELV/SELV source ANALOG OUTPUTS **M-BUS EXTENSION** 0-10 V output Connection of relay **Connection of actuator** Connection of M-Bus meters A1 A2 G0 A1 A2 G0 A1 A2 G0 M- M-ØØØ $\emptyset \emptyset \emptyset$ $\oslash \oslash$ ØØ \oslash Ø ver Actuator 0-10V Consumptior Ø 24 V Ø meter 1 24 V Ø Y AC/DC Ø Ø GO Relay L 12 V DC max. 20 mA Consumption meter 20 Actuator power supply from PELV/SELV source Receiver power supply from PELV/SELV source COMPLEMENTARY NOTES Purpose of control: Operating control Pollution degree: 2 ٠ Construction of control: Independently mounted Impulse voltage: 500 V Type of action: 1.C



Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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This product contains code covered by the GNU General Public License (GPL).