

» **MCM260** Expansion module for PLC 16 I/O

» **Ordering code**

Remote I/O
Home automation
Automation for textile industry
Temperature control for food industry
Moulders/extruders for plastics industry



» **Description**

Expansion modules MCM260 are conceived for acquisition and management of remote I/O and for expansion of basic networks including PLCs, PCs and/or HMI. Communication protocol is selectable between Modbus slave on serial line RS485 and CANopen slave on CANbus, and it is possible to connect up to 120 modules in Modbus (max baudrate 57600baud) and 120 in CANopen (max speed 1Mbps, access time 0.5msec). The range includes 5 models:

1. 16 digital inputs PNP (MCM260-2AD)
2. 16 static outputs (MCM260-1AD)
3. 8 digital inputs PNP + 8 static outputs (MCM260-3AD)
4. 8 digital inputs PNP + 8 relay (MCM260-4AD)
5. 4 universal analog inputs + 2 analog outputs mA/V (MCM260-5AD)

Two digital inputs (MCM260-2AD, MCM260-3AD, MCM260-4AD) are selectable via software as counters 32bit-2KHz or as inputs for incremental encoders 10KHz. 4 analog inputs of MCM260-5AD version are 16 bit ADC conversion and sample time 66msec. Analog outputs 0/4...20mA / 0...10V are 12 bit DAC conversion. Two digital inputs (MCM260-2AD, MCM260-3AD, MCM260-4AD) are also analog for linear signals 0...10V, 10bit resolution and sampling time 2msec (input impedance 5K Ω). To simplify start-up an automatic Dir mode is driven by the software of PLC PL260 or Touch screen TD320.

» **Technical data**

DIMENSIONS : 90x71x53mm(H)

DIN RAIL EN 50022

SUPPLY : 12...24Vdc \pm 15% (MCM260-1, MCM260-3), 12...24Vac/dc \pm 15%, 50/60Hz (MCM260-2AD, MCM260-4AD, MCM260-5AD)

POWER CONSUMPTION: 2W

OPERATING CONDITIONS: 0...45°C, 35...95rH%

INPUTS:

16 digital inputs PNP (MCM260-2AD)

8 digital inputs PNP (MCM260-3AD, MCM260-4AD)

2 inputs for 2 counters 2KHz, 1 for incremental encoder 10KHz, overlapped to 2 digital inputs (MCM260-2AD, MCM260-3AD, MCM260-4AD)

4 Analog inputs selectable as TC K , R , J , S, PT100 , NI100 , PT500, PT1000 , PTC , NTC, 0/4...20mA, 0...10V, Potentiometer \leq 6K Ω , \leq 150K Ω (MCM260-5AD)

2 analog inputs 0...10V 10bit 500Hz, overlapped to 2 digital inputs (MCM260-2AD, MCM260-3AD, MCM260-4AD)

OUTPUTS:

16 static outputs 700mA, max 4.5A each 8 outputs block (MCM260-1AD) – totally 9A

8 static outputs 700mA, max 4.5A per module (MCM260-3AD)

8 Outputs relay 5A resistive load (MCM260-4AD)

2 Analog outputs 0/4...20mA / 0...10V (MCM260-5AD)

ACCURACY: 0.2% \pm 1digit TC/RTD, 0.1% \pm 1digit linear signals

SEALING: IP20 Box

HARDWARE AND SOFTWARE DATA:

Setting and addressing by rotary-switch

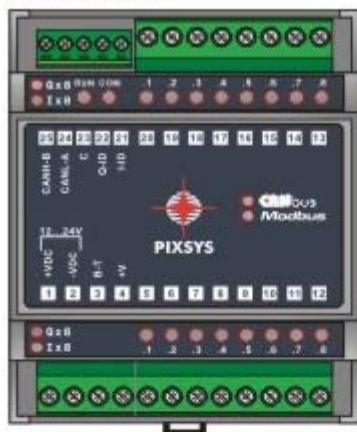
Communication protocol selectable by internal dip-switch:

CANopen slave on CANbus, max speed 1Mbps / Modbus on RS485, max speed 57600baud

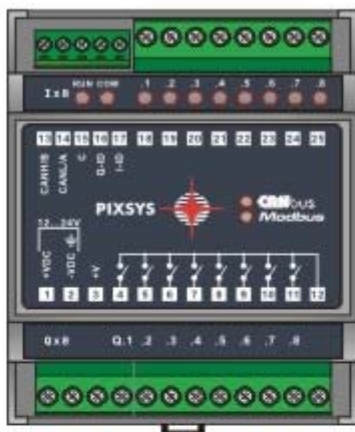
» **Ordering Code**

» **Installation**

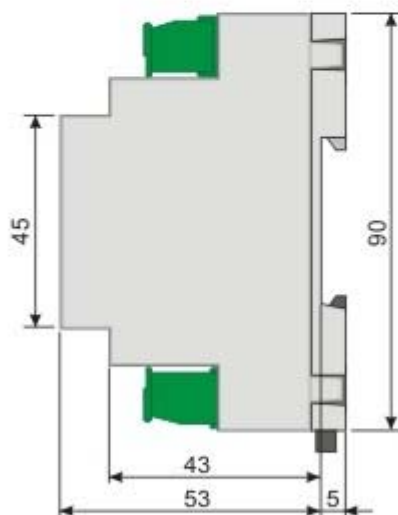
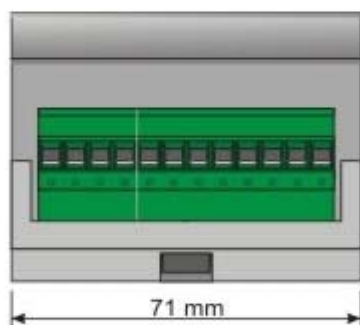
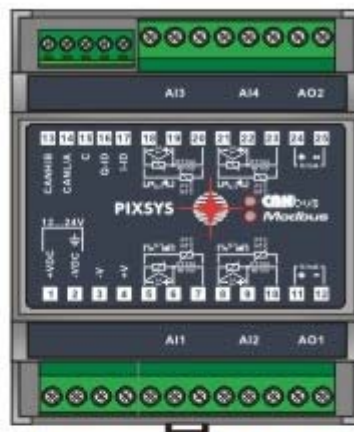
Model :
MCM260-1AD
MCM260-2AD
MCM260-3AD



Model :
MCM260-4AD



Model :
MCM260-5AD



Attacco a guida DIN EN50022
Din rail mounting guide EN50022

| MODEL | INPUTS | OUTPUTS | POWER SUPPLY |
|------------|------------------------------|------------------------|-----------------------------|
| MCM260-1AD | --- | 16 OUT 24Vdc | 12..24 Vac/dc+/-10% 50/60Hz |
| MCM260-2AD | 16 DI PNP | --- | |
| MCM260-3AD | 8 DI PNP | 8 OUT 24Vdc | |
| MCM260-4AD | 8 DI PNP | 8 Relays | |
| MCM260-5AD | 4 Configurabile / Selectable | 2 x 4...20mA / 0...10V | |

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