CAMOZZI
Automation

MULTI-SERIAL MODULE
SERIES CX4

Highly flexible connectivity

The serial node CX4 is compatible with the most commonly used protocols: Profibus-DP, PROFINET, CANopen, EtherCAT, EtherNet/IP.

As well as different analog and digital I/O modules, advanced modules can be connected via the serial module to acquire data from thermocouples, RTD temperature sensors or sensors in a bridge configuration.

The mechanical and electrical connection system as well as the internal bus make the serial node extremely flexible. Users are free to add, move, remove and substitute different modules as well as replace its communication protocol. All this in restricted spaces.

BENEFITS

- **Compact size for restricted spaces**
- **Reduced installation and maintenance times**
- **Flexibility in connecting modules**
- **Modular design for maximum versatility**

General Data

Number of digital outputs	128
Number of analogic outputs	16
Number of digital inputs	128
Number of analogic inputs	16
Maximum input absorption	1,5 A
Maximum output absorption	2,5 A
Supply voltage	24 V DC +/-10% logic supply 24 V DC +/-10% power supply
Protection	overload and reverse polarity
Protection class	IP65 (IP20 in case of module I/O with terminal block)
Conform with standards	EN-61131-2
Operating temperature	0-50°C
Material	Polymer

Coding example

CX	4	01	W	-	2A2Q	-	R

CX	SERIES
4	VERSION 4 = CX4
01	PROTOCOL 01 = PROFIBUS 05 = EtherCAT 03 = CANopen 06 = PROFINET 04 = EtherNet/IP
W	INTERFACE 0 = No interface - W = WLAN
2A2Q	INPUT/OUTPUT MODULES 0 = no module A = 8 digital inputs M8 B = 16 digital inputs terminal block (Push-in) connection C = 2 analog inputs (config. 0-10V, ±10V, 0-20mA, 4-20mA, ±20mA) M12 D = 2 analog inputs (config. 0-10V, ±10V, 0-20mA, 4-20mA, ±20mA) terminal block (Push-in) connection E = 2 BRIDGE inputs M12 F = 2 BRIDGE inputs terminal block (Push-in) connection G = 2 RTD inputs M12 (PT100, PT200, PT500, PT1000) H = 2 RTD inputs terminal block (Push-in) connection (PT100, PT200, PT500, PT1000) L = 2 TCM12 inputs (THERMOCOUPLES) M = 2 TC inputs terminal block (Push-in) connection (THERMOCOUPLES) Q = 8 digital outputs M8 R = 16 digital outputs terminal block (Push-in) connection T = 2 Analog outputs (config. 0-10V,±10V,0-20mA, 4-20mA,±20mA), M12 U = 2 Analog outputs (config. 0-10V,±10V,0-20mA,4-20mA,±20mA), terminal block
R	FIXING TYPE = direct - R = DIN rail

Fieldbus protocols - Technical data

Protocol	Max nr of nodes defined by the protocol	Communication speed defined by the protocol
PROFIBUS	32/127	9,6 kBit/s per 1000 m - 12 Mbit/s per < 100 m
CANopen	127	125 kBit/s 500 m - 1 Mbit/s per 4 m
PROFINET	unlimited	100 Mbit/s per 100 m
EtherNet/IP	unlimited	100 Mbit/s per 100 m
EtherCAT	unlimited	100 Mbit/s per 100 m

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