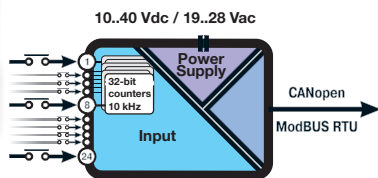




ZC-24DI

24 CH DIGITAL INPUT / CANOPEN - MODBUS MODULE



ZC-24DI is used to interface N.24 digital signals (PUSH BUTTON, LIMIT SWITCH, REMOTE, CONTROL SWITCH, RELAIS etc.) with all of control systems which are able to communicate by the protocols CANopen or ModBUS RTU (protocol selectable through dip-switch). It disposes of 32 bit counters (N.8), maximum frequency input is 10 KHz. A 3-way galvanic isolation among Power supply // input // RS485 circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

Power supply	10..40 Vdc / 19..28 Vac / 50-60 Hz
Power consumption	2,5 W
Isolation	1.500 Vac (3 way)
Power transducers	Yes
Status Indicators	Power Supply, Digital Inputs State, CANopen/MODBUS Communication, MODBUS-RTU Communication
Protection Degree	IP20
Operating Temperature	-10..+65 °C
Dimension (W x H x D)	35 x 100 x 112 mm
Mounting	35 mm DIN rail guide

Communication, Memory Process

Interface	CANopen / ModBUS RTU
Speed	Up to 1 Mbps (CANopen) Up to 115 Kbps (ModBUS)
Communication Time	~ 1 ms (CANopen)
Distance	Up to 2.500 m (CANopen) Up to 1.200 m (ModBUS)
Connectivity	Max 120 nodes (CANopen) Max 247 nodes (ModBUS)
Data Memory	EEPROM for the configuration parameters, retention time 10 years

Signals

Channel Numbers	24
Input	Twenty-four 16 V self-powered digital inputs with shared negative pole. Eight digital inputs settable as 32-bit counters with 10 kHz maximum frequency.

Programming

DIP switches	Baud rate, address, protocol type (CANopen, ModBUS), termination line
Software	EASY ZC-24DI (plug&play)

Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

ORDER CODES

Code	Description
ZC-24DI	24 CH digital input CANopen / ModBUS module, 10..40 Vdc / 19..28 Vac

ACCESSORIES & SOFTWARE

Z-PC-DIN Backplane for power & bus communication pg. 36	Z-SUPPLY Switching power supply pg. 36	Z-8R-10A 8-CH Relay interface, 10A pg. 36	EASY SETUP Plug&Play configuration software pg. 36

SIMILAR PRODUCTS

ZC-16DI-8DO 16 CH digital input - 8 CH digital output CANopen / ModBUS pg. 30	ZC-24DO 24 CH digital output CANopen / ModBUS pg. 29	Z-10-D-IN 10-CH Digital Input module / ModBUS pg. 12	Z-D-IN 5-CH Digital input module / ModBUS pg. 10