

CDI20 Module

CANBUS MODULE WITH 20 DIGITAL OPTOCOUPLED INPUTS

CDI20 is an open frame CanBus module with CanOpen protocol mountable on a standard DIN rail, which provides 20 digital optocoupled inputs.

Inputs can be buttons, limit switches, proximity sensors, photocells, etc.

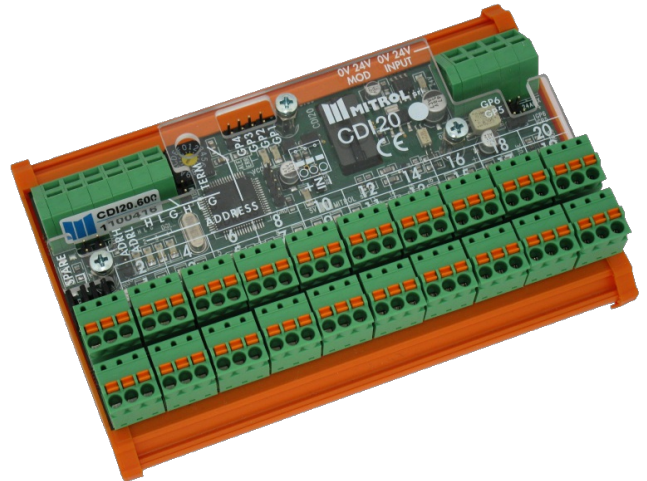
4 groups of spring-cage connectors are provided:

1. 2 connectors for module 24 V power supply.
2. 2 connectors for channels 24 V power supply (isolated from the module).
3. 60 connectors for inputs with 3 connections for each input:
 - left: 24 V
 - middle: input
 - right: 0 V
4. 6 connectors for CanBus line (CANH, CANL e GND_CAN input, CANH, CANL e GND_CAN output)

2-wires devices, like limit switches, can be directly connected between the middle and the left point, without any extra connector.

3-wires devices, like photoelectric cells and proximity sensors, can be connected directly to the 3 points respecting their own meaning, without any extra connector.

Channels power supply is protected by an electronic fuse against accidental shortcircuits.



Technical specifications

Dimensions (H x W x D)	88x151x65 mm
Mounting	Standard DIN rail
Power supply	24 V(18 – 36 V)
Module power consumption	50 mA
Channels	20
Optocoupling	Standard on channels
Channels power supply	24 V (18 – 36 V)
Channel input current	5 mA
ON level	V _{inp} > 13 V
OFF level	V _{inp} < 5 V
CanBus Baud Rate	125 kbps / 250 kbps / 500 kbps / 1 Mbps
Marking	CE
Operating temperature	0 – 55 °C
Storage temperature	-20 – 85 °C
Warehousing humidity	Max 85% non-condensing
CanOpen Standards	DS301 - DS401