

## CDI16V Module

### CANBUS MODULE WITH 16 DIGITAL OPTOCOUPLED INPUTS

CDI16V is a CanOpen protocol CanBus module with 16 digital optocoupled inputs mountable on a standard DIN rail, which provides 20 optocoupled inputs

The space required for installation is minimized by the vertical design of the module.

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

Only one wire is available, the one for the signal. Power supply, and common links are not available on the module, and must be directly connected to the devices.

For connection 6 spring cage connectors are provided:

1. One 4 points group for 24 V power supply, 2 for the module that are decoupled from the 2 for the channels;
2. One 8 points group for the CanBus line, connected in pairs with the following scheme:
  - left +24V\_CAN
  - middle left GND\_CAN
  - middle right CANH
  - right CANL
3. Four 4 points groups for channel connections, 1 for each channel.



### Technical specifications

Dimensions (H x W x D)	120 x 23 x 112 mm
Mounting	Standard DIN rail
Power supply	24 V (18 - 36 V)
Module power consumption	80 mA
Channel	16
Optocoupling	Standard on channels
Channel input current	5 mA
ON level	V <sub>inp</sub> > 13 V
OFF level	V <sub>inp</sub> < 5 V
Marking	CE
Operating temperature	0 - 55 °C
CanBus Baud Rate	125 kbps / 250 kbps / 500 kbps / 1 Mbps
Storage temperature	-20 - 85 °C
Warehousing humidity	Max 95% non-condensing
CanOpen standards	DS301 - DS401
Protection marking	IP20