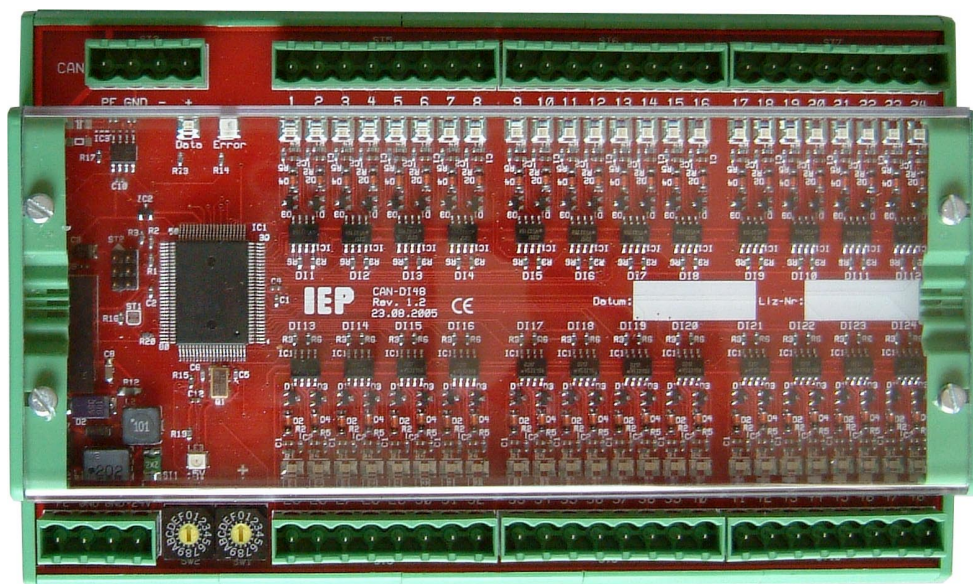


CAN-DI48

Digital Inputs for the CAN bus



The **CAN-DI48** is a low-cost module with digital inputs for control systems based on the CAN bus. With 48 inputs, it is especially well suited for systems acquiring an exceptionally high number of digital input signals.

CAN-DI48

Features of the **CAN-DI48** are:

- 1 CAN interface
- 48 optically isolated digital inputs with counter function, for 24 Volt signals, common ground
- Supply, 24 Volt, galvanically isolated
- Configuration via hexadecimal coding rotary switches
- Snap-on casing for DIN-rails

Features

Digital Inputs

All 48 digital inputs are galvanically isolated by optocouplers. They are designed to acquire high-active signals. The switching threshold lies at 14 V, the input current at 24 V_{DC} is about 3 mA. Differing input configurations are possible, please contact our sales department for details.

Aside from the direct input state capturing, the **CAN-DI48** samples the inputs all 20 ms and counts the level changes. When transmitting the input states, the **CAN-DI48** can also report the number of state transitions since the last data request.

CAN bus

The **CAN-DI48** supports baudrates from 50 kB upto 1 MB and uses 14 consecutive identifier on the CAN bus. Baudrate as well as the basic identifier are configured by 2 hexadecimal coding rotary switches. The connection to the CAN bus is available on a 4p pluggable screw-clamp terminal.

Size and Supply

The **CAN-DI48** comes in a casing for DIN-rail mounting, measuring 182x110 mm with a height of 45 mm. All signal connections are made by 8p pluggable screw-clamp terminals.

The **CAN-DI48** uses a supply of 18 - 36 V_{DC}. The supply is connecting by a 4p pluggable screw-clamp terminal. The modules are protected from power supply polarity reversal; an EMV protection circuit assures troublefree operation in an industrial environment.

Versions

The **CAN-DI48** is customisable even in small quantities. Customer specified changes are in particular available concerning

- configuration of the input circuitry
- specialised firmware
- supply voltage ranges

Please contact our application support department for further technical advice and support on specialised solutions.