

ICAN.2

Communication Module for SMT Systems for Integrating Signal-Based CAN Networks

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The ICAN.2 is a 2-channel interface module for acquiring and stimulating CAN signals. It is used both for recording bus communication and for residual bus simulations.



Interfaces

The two CAN nodes of the module are galvanically isolated from one another and from the system. Each node has an integrated bus termination that can also be connected if required. In addition, the CAN buses are each led through via two ports. This makes it easier, for example, to connect additional participants, such as classic monitoring tools.

Parameterization

The ICAN.2 is configured using the DBC file of the connected network. Once imported into the system software PEA, the signals to be acquired can be selected to be included in the current measuring sequence.

Data

The module supports up to 250 freely usable measurement and output channels. The total number of supported signals can be spread over the two CAN nodes as required.

Areas of Application

- Acquisition of ECU signals (measured values, status information, etc.)
- Output of measured values to CAN, incl. for sensor simulations or linking external dataloggers
- Residual bus simulation
- Control of SMT functions via CAN

Advantages

- Combined acquisition of ECU signals and physical measured values
- Simple installation with point-to-point connections



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Technical Data

General

Number of nodes	2
Number of signals	≤250 measurement and stimuli channels per module
Data rate	1 SPS ... 1 kSPS online, can be set per module
Tracing	Yes

Nodes

Physical layer	Highspeed CAN (Lowspeed CAN as an option on request)
Bit rate	100 kBit/s, 125 kBit/s, 250 kBit/s, 500 kBit/s, 1 MBit/s
Specification	CAN 2.0A / CAN 2.0B
Termination	120 Ω, can be connected
Galvanic isolation	Per node

Environmental Conditions

Storage	-30 °C ... +85 °C, 10 % ... 90 % rel. humidity, non-condensing
Operation	-30 °C ... +70 °C, 10 % ... 90 % rel. humidity, non-condensing

Order Numbers

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