digsy® ICN-H

4-quadrant H-bridge module for DC-motors up to 25A rated current

Control via CANbus or digital inputs.

Outputs for brake and error status.

2 operating modes per application.

***digsy*® ICN-H** is a mobile suitable CAN-node which has been developed to control DC motors and actuators regarding rotating direction and speed. Alternatively, it can be used as a high-current output device. Integrated software modules for guided stop and torque deactivation as well as the option to select two different operating modes, ease the adaptation to the particular application.

Technical data

***digsy*® ICN-H**

1 H-bridge: 25A rated current when mounted on metal plate
17A rated current without cooling
Shutdown at 80A

2 outputs, GND-switching: Brake, max. 4A
Error, max. 1A

CAN-Mode

1 CAN interface: CAN 2.0A/B
50 kBit/s…1 Mbit/s

2 inputs analog: 0-5V
Potentiometer

3 inputs digital

Stand-Alone-Mode

2 inputs analog: Motor speed
Max. motor speed

5 inputs digital: Rotating direction forwards
Rotating direction backwards
Operating mode selection
Torque deactivation
Guided stop

General:

- Operating voltage 12V: 10…16V
- Operating voltage 24V: 18…32V
- Operating temperature: -25°C…+80°C / -13°F…+176°F
- Plastic housing with metal baseplate
- EMC proof
- Environmental protection: IP20
- Dimension: appr. 90 x 50 x 30 mm

Order codes

***digsy*® ICN-H**	4586.03.001

Accessories

ICN-H IO Cable	4308.44.002
ICN-H CAN Cable 1m	4308.44.003
ICN-H Starter-Kit with Parametrization tool and Programming cable	4308.44.010

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