

Inter Control digsy[®] ICN-V “Valve node

□ The digsy[®] ICN-V valve-node serves as a local interface module which has been developed especially for the use with proportional valves. It offers a high number of inputs and outputs whose specification fits perfectly to the requirement of hydraulic components. As the basis of this CAN-node is a 16-bit microcontroller, optional data preprocessing is possible. This results in the fact that the valve-node is an incredible flexible I/O-device with an optimal price/performance ratio which can also be used as low-cost stand-alone controller (OEM version).

Technical features

Configurable inputs

- 4 digital inputs, separately configurable as 0 - 10 V, 0 - 32 V or 0 - 20 mA analog inputs

Configurable outputs

- 8 PWM outputs with current regulation, max. 4A, separately configurable as digital output or digital inputs
- 8 digital outputs, max. 4A, separately configurable as digital inputs. 4 of them are also configurable as counter inputs or as 2x AB-counter inputs
- 2 voltage outputs, supplying operating voltage, 0,1 A each

CANbus-interface

- Physical layer according to EN 11898 (high speed bus)
- CANopen-protocol
- Integrated CAN T-connector
- Bit-rates: 20 kbit/s to 1 Mbit/s

General

- Size: 186 x 160 x 70mm
- Protection according to IP66K

Common features of the digsy ICN product family

- Power supply 8 to 32 V (12 V and 24 V on board voltage)
- Protection against load dump and overvoltage
- Protection against reverse polarity
- Outputs are protected against short circuit and overload
- Outputs can be connected in parallel
- Suitable for mobile applications
- Ambient operating temperature: -40 °C to +85 °C
- Shock and vibration proof
- EMC proof

Contact

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For download of brochures please visit www.outdoor-controls.de

Features

NMT	NMT slave
Error control	Node guarding Life guarding Heartbeat producer Heartbeat consumer: 1
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Hardware switch (local interface) Proprietary
CANopen bit-rates	20 kbit/s

	50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	Hardware switch (local interface)
RPDOs	4
TPDOs	5
PDO modes	Event-triggered Triggered by event-timer Synchronous (cyclic) Synchronous (acyclic)
PDO linking	Yes
PDO mapping	Static
SDO server	1
SDO client	No
Emergency producer	Yes
Emergency consumer	1 message(s)
Sync producer	Yes
Sync counter	No
Time stamp	No
Additional functions	Self-starting device
CANopen version	CiA 301 V 4.0.2
Frameworks	CiA 302
Device profiles	-
Certified	No
Availability	In stock