CANit-xx I/O module family

CANit-10/20 CANopen units

The CANopen units CANit-10 and CANit-20 are general purpose CANopen remote I/O modules with 8/16 digital inputs and 8/16 digital outputs for 24 V_{DC}. They are especially designed for easily connecting almost all kinds of sensors and actuators to a CANopen-network. There is no necessity of making any program. The CANit-units have separated power supplies for the system/bus and the I/Os. All I/Os by Frenzel + Berg are positive switching and opto-isolated from bus and system supply. The outputs are short-circuit-protected and output overload monitoring is supported. Different bit-rates up to 1 Mbit are possible. The CAN-connectors are at the side and rail mounting allow to align the CAN units directly, without using a CAN-cable between each other. The CANit-10/20 I/O modules are available as an open frame PCB, in a front side opened plastics enclosure or in a closed aluminum enclosure. Both enclosures are suitable for mounting on carrier rail.

Canopen unit CANit-10

- 8 digital inputs, 8 digital outputs
- Measurements (Aluminium-Enclosure)
  (L x W x H) 116 x 76 x 80 mm

CANopen unit CANit-20

- 16 digital inputs, 16 digital outputs
- Measurements (Alumimium-Enclosure)
  (L x W x H) 161 x 76 x 80 mm

Contact

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Features

NMT	NMT slave
Error control	Node guarding Life guarding Heartbeat producer
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Hardware switch Software switch
CANopen bit-rates	10 kbit/s 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) Software switch
RPDOs	

	1
TPDOs	2
PDO modes	Event-triggered Triggered by event-timer Remotely-requested Synchronous (cyclic) Synchronous (acyclic) Synchronous (cyclic) coupled to sync counter start value
PDO linking	Yes
PDO mapping	Dynamic
SDO server	1
SDO client	No
Emergency producer	Yes
Emergency consumer	No
Sync producer	No
Sync counter	No
Time stamp	No
Additional functions	None
CANopen version	CiA 301 V 4.1
Frameworks	None
Device profiles	CiA 401: CANopen device profile for generic I/O modules
Certified	No
Availability	In stock