

CAN-2057C

16-channel Isolated DO module of CANopen Slave

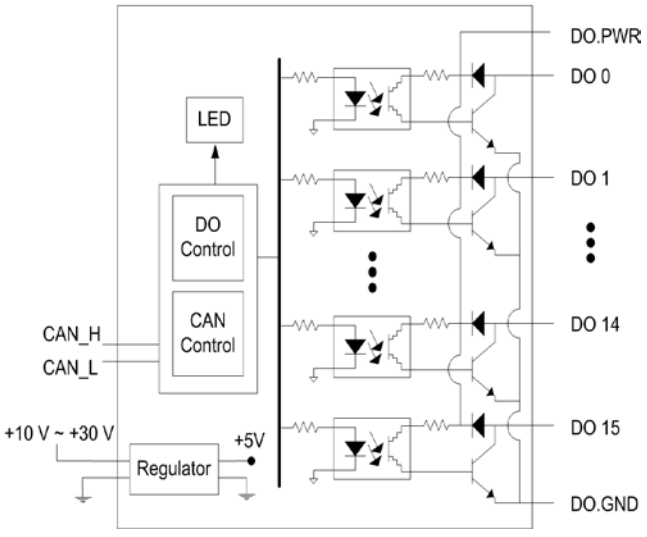
Features

- NMT Slave
- Providing I/O Pair-connection Function
- Provide default EDS file
- Passed the validation of CiA CANopen Conformance Test tool
- Support Polarity Output Setting and Save
- Support Error Value Output Setting and Save
- Support Dynamic PDO
- Support Application: Drive Relay, Resistance Load
- ESD Protection 4 kV Contact for each channel

Introduction

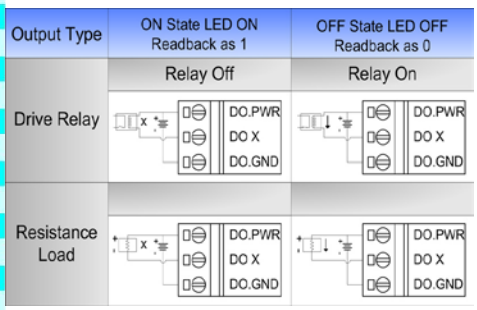
CAN-2057C module follows the DS-301 version 4.02 and DSP-401 version 2.1. CAN-2057C had passed the validation of the CiA CANopen Conformance Test tool. Therefore, users can use it with standard CANopen master easily by applying the EDS file. CAN-2057C has 16-channel isolated open collector output and it can be used to various applications, such as drive relay, resistance load and so forth. By owing to the CANopen masters of ICP DAS or other manufactory, users can quickly build a CANopen network to approach user's requirements.

Internal I/O Structure

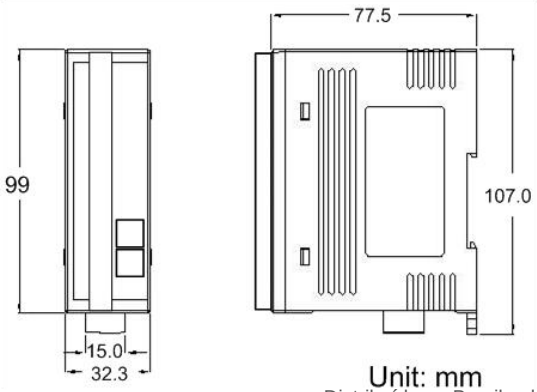


I/O Pin&Wire Connection

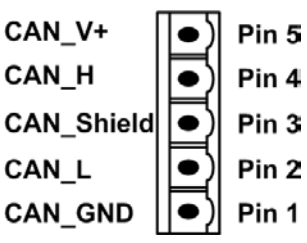
Terminal No.	Pin Assignment
01	DO.0
02	DO.1
03	DO.2
04	DO.3
05	DO.4
06	DO.5
07	DO.6
08	DO.7
09	DO.8
10	DO.9
11	DO.10
12	DO.11
13	DO.12
14	DO.13
15	DO.14
16	DO.15
17	DO.GND
18	DO.GND
19	DO.PWR
20	DO.PWR



Dimensions



CAN Pin&Baud Rate Rotary





Baud rate rotary switch

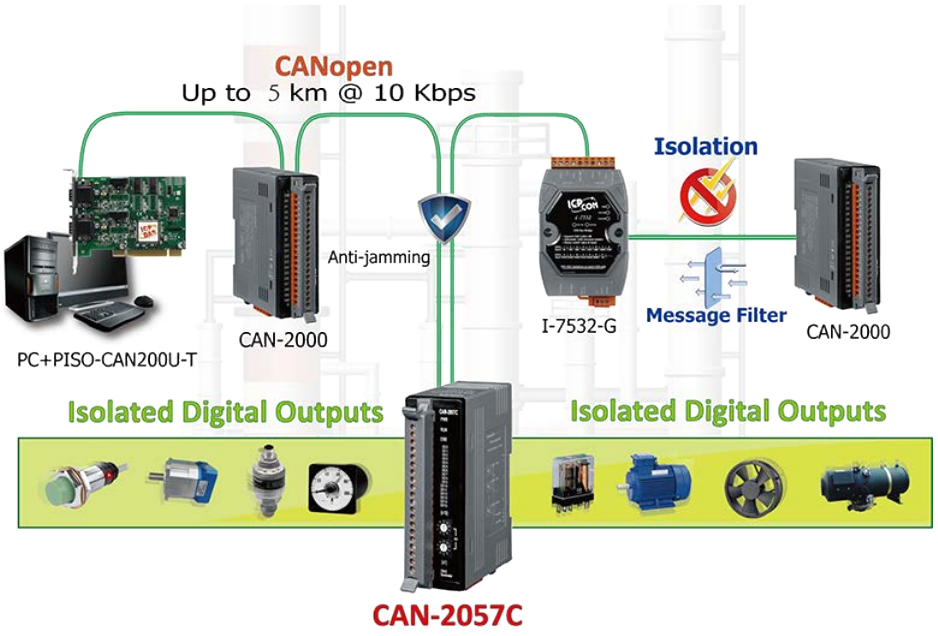
Switch Value	Pair-connection	Baud Rate
0	8	10 kbps
1	9	20 kbps
2	A	50 kbps
3	B	125 kbps
4	C	250 kbps
5	D	500 kbps
6	E	800 kbps
7	F	1000 kbps

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Specifications

CAN Interface	
Connector	5-pin screwed terminal block (CAN_GND, CAN_L, CAN_SHLD, CAN_H, CAN_V+)
Baud Rate (bps)	10 k, 20 k, 50 k, 125 k, 250 k, 500 k, 800 k, 1 M
Terminal Resistor	Switch for 120 Ω terminal resistor
Node ID	1~99 selected by rotary switch
Protocol	CANopen DS-301 ver4.02, DS-401 ver2.1
No. of PDOs	10 Rx, 10 Tx (support dynamic PDO)
PDO Mode	Event Triggered, Remotely requested, Cyclic and acyclic SYNC
Error Control	Node Guarding protocol and Heartbeat Producer protocol
Emergency Message	Yes
Digital Output	
Channels	16 (Sink)
Output Type	Open-collector
Reaction Time	150 us
Max Load Current	100 mA per channel
Load Voltage	+5 ~ +30 V_{DC}
Intra-module Isolation	3750 Vrms
ESD Protection	4 kV Contact for each channel
LED	
Round LED	PWR LED, RUN LED, ERR LED
I/O LED	16 LEDs as Digital Output, and 1 LED as terminal resister indicator
Power	
Input range	Unregulated +10 ~ +30 V_{DC}
Power Consumption	1.5 W
Mechanism	
Installation	DIN-Rail
Dimensions	32.3 mm x 99 mm x 77.5 mm (W x L x H)
Environment	
Operating Temp.	-25 ~ +75 ℃
Storage Temp.	-30 ~ +80 ℃
Humidity	10 ~ 90% RH, non-condensing

Application



Ordering Information

CAN-2057C	CANopen module of 16-channel Isolated Open-collector Digital Output

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