

CAN-2057D

16-channel Isolated DO Module of DeviceNet Slave

Features

- DeviceNet general I/O slave devices
- Group 2 Only Server (non UCMM-capable)
- Support Predefined Master/Slave Connection Set
- Connection supported:
  - 1 connection for Explicit Messaging
  - 1 connection for Polled I/O
  - 1 connection for Bit-Strobe I/O connection
- Support DeviceNet heartbeat and shutdown messages
- Provide EDS file for DeviceNet master interface
- Support Application: Drive Relay, Resistance Load
- ESD Protection 4 kV Contact for each channel

Introduction

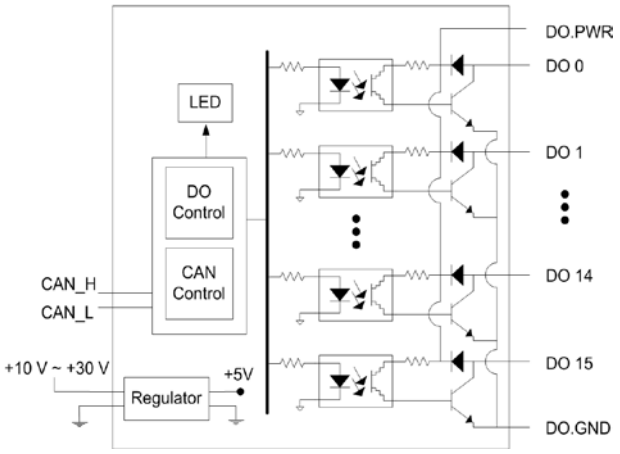
The CAN-2057D follows DeviceNet specification Volume I/II, Release 2.0. User can access the digital output status and set the configuration via DeviceNet EDS file. The CAN-2057D has 16 Digital output channels with Open Collector output type and can be used to develop powerful and cost effective digital control system. By the DeviceNet masters of ICP DAS, you can quickly build a DeviceNet network to approach your requirements.

Hardware Specifications

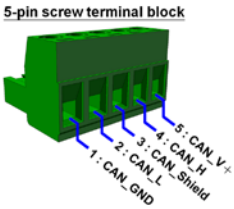
CAN Interface	
DeviceNet Specification	Volume I, Release 2.0 & Volume II, Release 2.0, Errata 5
DeviceNet subscribe	Group 2 Only Server
Connection supported	1 connection for Explicit Messaging、1 connection for Polled I/O、1 connection for Bit-Strobe I/O
Node ID	0 ~ 63 selected by rotary switch
Baud Rate (bps)	125 kbps, 250 kbps, 500 kbps
Heartbeat/Shutdown message	Yes
Terminal Resistor	Switch for 120 Ω terminal resistor
DO Interface	
Channels	16 (Sink)
Output Type	Open Collector
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, NET LED, MOD LED
I/O LED	16 LEDs as Digital Output, and 1 LED as terminal resister indicator
Power	
Input range	Unregulated +10 ~ +30 VDC
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

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Internal I/O Structure



CAN Pin & Baud Rate Rotary

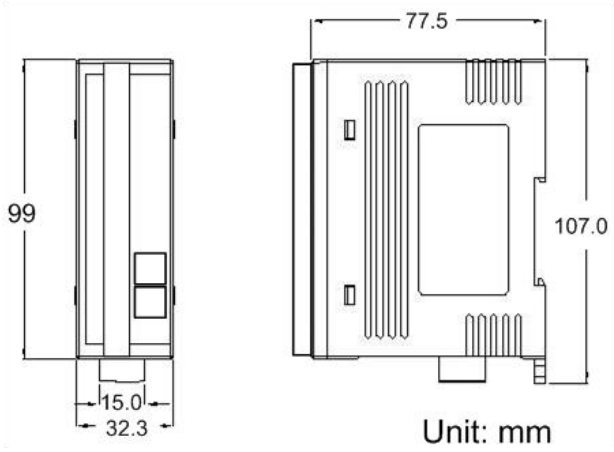




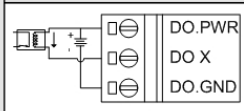
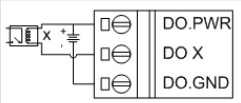
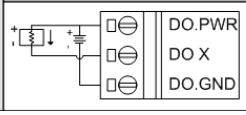
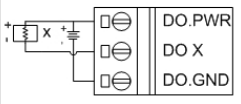
Baud rate rotary switch

Switch Value	Baud Rate
0	125 kbps
1	250 kbps
2	500 kbps

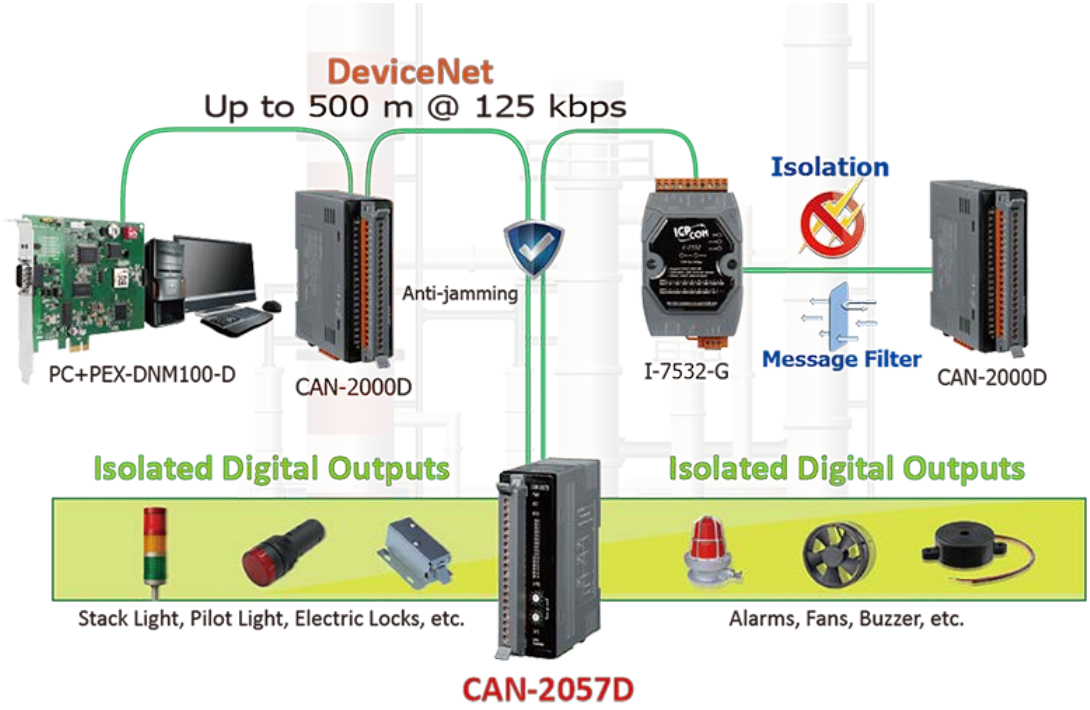
Dimensions (Units: mm)



I/O Pin & Wire Connection

Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Drive Relay	Relay On	Relay Off
		
Resistance Load		
		

Application



Ordering Information

CAN-2057D CR	DeviceNet module of 16-channel Isolated Open Collector Digital Output (RoHS)

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