

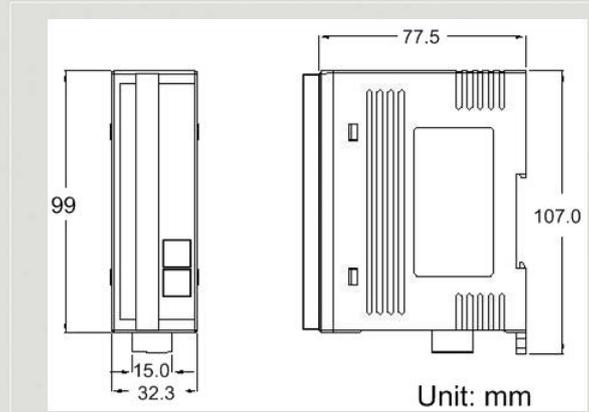


# DeviceNet Series Products

## 16-channel Isolated DO module of DeviceNet Slave



**CAN-2057D**



**Dimensions**

The CAN-2054D 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-2054D has 16 Digital output channels with Open Collector output type and can be used to develop powerful and cost effective digital control system. By owing to the DeviceNet masters of ICP DAS, you can quickly build a DeviceNet network to approach your requirements.

### Features

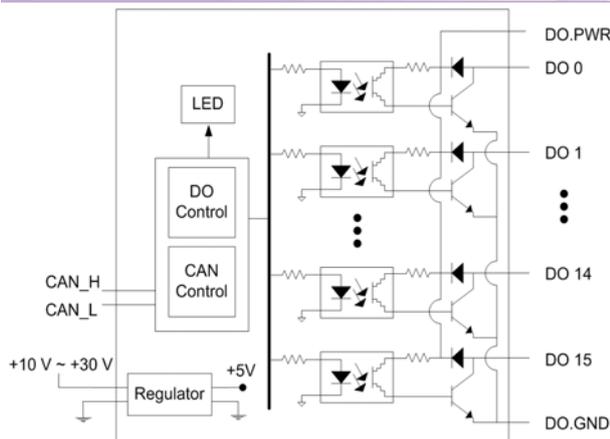
- DeviceNet general I/O slave devices.
- Group 2 Only Server (non UCMM-capable)
- Support Predefined Master/Slave Connection Set
- Connection supported:
  - 1 connection for Explicit Messaging
  - 1 connection for Polled I/O
  - 1 connection for Bit-Strobe I/O connection
- Support DeviceNet heartbeat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

### 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

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

### Internal I/O Structure



### CAN Pin & Baud Rate Rotary

CAN_V+	Pin 5		Switch Value	Baud Rate
CAN_L	Pin 4		0	125 kbps
CAN_Shield	Pin 3		1	250 kbps
CAN_L	Pin 2		2	500 kbps
CAN_GND	Pin 1			

## 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
Terminator Resistor	Switch for 120 Ω terminator resistor
DO Interface	
Channels	16 (Sink)
Output Type	Open Collector
Max Load Current	100 mA per channel
Load Voltage	+5 ~ +30 V <sub>DC</sub>
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 resistor indicator
Power	
Input range	Unregulated +10 ~ +30 V <sub>DC</sub>
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 °C
Storage Temp.	-30 ~ 80 °C
Humidity	10 ~ 90% RH, non-condensing

## Applications



## Ordering Information

**CAN-2057D**

DeviceNet module of 16-channel Isolated Open Collector Digital Output.