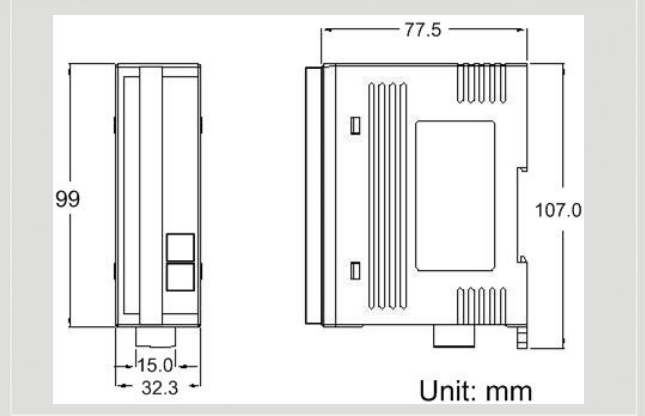




16-ch DI module of CCON Slave



CAN-2053



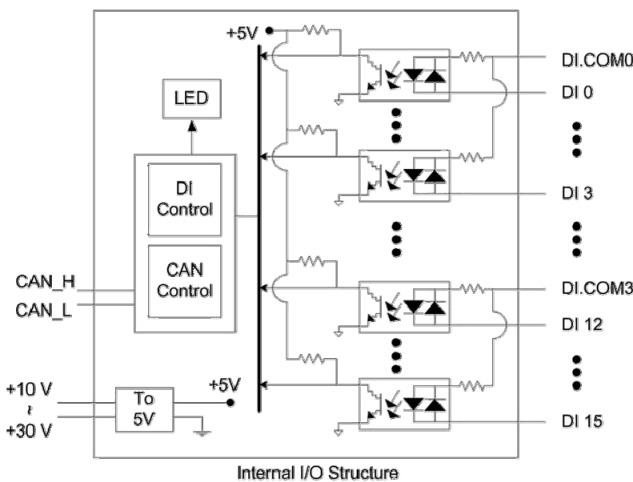
Dimensions

CAN-2053 module follows the CCON protocol that is developed by the ICP DAS Co., LTD, CAN-2053 has 16 isolated sink/source digital input channels. It can be used to various applications. By owing to the CCON masters of ICP DAS, you can quickly build a CCON network to approach your requirements.

Features

- Providing Pair-Connect function
- Support Application of DI : PNP, NPN, TTL and Relay Contact
- ESD Protection 4 KV Contact for each channel

Internal I/O Structure



I/O Pin & Wire Connection

Terminal No.	Pin Assignment	Input Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
01	DI.COM	Relay Contact	Relay On	
02	DI.0		Relay Off	
03	DI.1		Relay On	
04	DI.2		Relay Off	
05	DI.3		Relay On	
06	DI.COM		Relay Off	
07	DI.4	TTL/CMOS Logic	Voltage > 3.5 V	
08	DI.5		Voltage < 1 V	
09	DI.6		Logic Power	
10	DI.7		Logic Level Low	
11	DI.COM	NPN Output	Open Collector On	
12	DI.8		Open Collector Off	
13	DI.9		Open Collector On	
14	DI.10		Open Collector Off	
15	DI.11	PNP Output	Open Collector On	
16	DI.COM		Open Collector Off	
17	DI.12		Open Collector On	
18	DI.13		Open Collector Off	
19	DI.14			
20	DI.15			

CAN Pin & Baud Rate Rotary

CAN_V+ Pin 5

CAN_H Pin 4

CAN_SHLD Pin 3

CAN_L Pin 2

CAN_GND Pin 1

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

Hardware 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
Terminator Resistor	Switch for 120 Ω terminator resistor
Node ID	1~99 selected by rotary switch
Protocol	CCON ver2.00
Digital Input	
Channels	16 (Sink / Source)
On Voltage Level	+3.5 ~ +30 V _{DC}
Off Voltage Level	+1 V _{DC} Max.
Response Time	250 us
ESD Protection	4 kV Contact for each channel
LED	
Round LED	PWR LED, RUN LED, ERR LED
I/O LED	16 LEDs for DI individually, and 1 LED as terminal resistor 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 °C
Storage Temp.	-30 ~ +80 °C
Humidity	10 ~ 90% RH, non-condensing

Applications



Ordering Information

CAN-2053	CCON module of 16-channel Digital Input
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