



I-8057W | I-8057PW

16-channel Isolated Digital Output Module

Features

- 16-channel Open Collector Output
- Sink-type Digital Output
- 3750 Vrms Intra-module Isolation
- Each digital channel has its own status LED
- 4 kV ESD Protection
- Wide Operating Temperature Range: -25 ~ +75 °C

Introduction

The I-8057W/I-8057PW module offers 16 Digital Output channels, each of which features Photocouple isolation and supports sink-type output using an Open Collector. The I-8057W/I-8057PW includes 16 LED indicators that can be used to monitor the status of the Digital Output channels. 4 kV ESD protection and 3750 VDC intra-module isolation is provided as standard.

The I-8057PW integrates over-current, over-voltage and short-circuit functionality. ICP DAS recommends selecting either the "PW" version of the digital output module for industrial use.

System Specifications

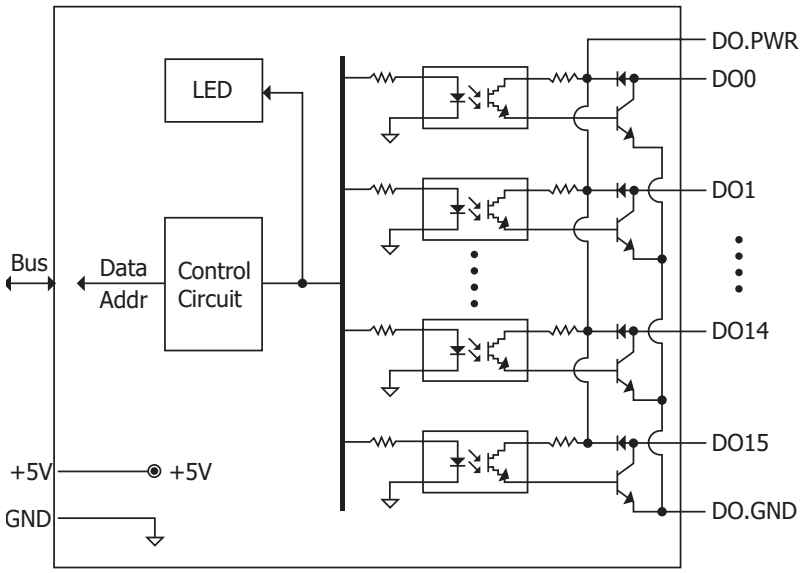
Model	I-8057W	I-8057PW
LED Indicators		
System LED Indicator	1 LED as Power Indicator	
I/O LED Indicator	16 LEDs as I/O Status Indicator	
Isolation		
Intra-module Isolation, Field-to-Logic	3750 Vrms	
EMS Protection		
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal	
Power		
Consumption	0.9 W Max	
Mechanical		
Dimensions (W x L x H)	30 mm x 102 mm x 115 mm	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-30 ~ +85 °C	
Humidity	5 ~ 95 % RH, Non-condensing	

I/O Specifications

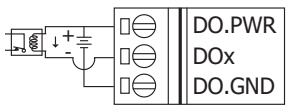
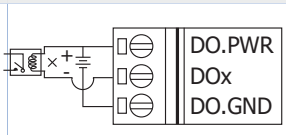
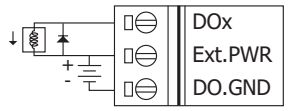
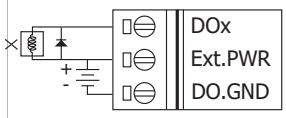
Model	I-8057W	I-8057PW
Digital Output		
Channels	16	
Type	Non-isolated Open Collector	
Sink/Source (NPN/PNP)	Sink	
Overvoltage Protection	-	60 VDC
Overload Protection	-	1.1 A
Short-circuit Protection	-	Yes
Load Voltage	+5 ~ +30 VDC	+10 ~ +50 VDC
Load Current	100 mA/Channel	

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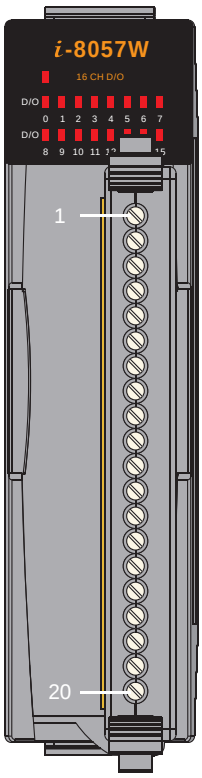
Internal I/O Structure



Wire Connections

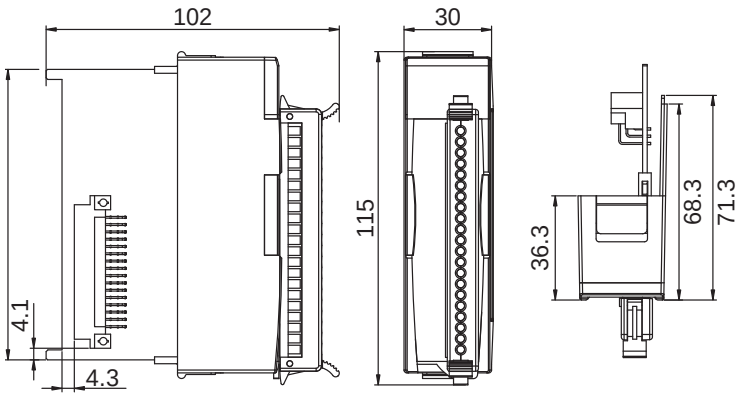
Output Type	ON State Readback as 1 Relay ON	OFF State Readback as 0 Relay OFF
Drive Relay		
Resistance Load		

Pin Assignments



Terminal No.	Pin Assignment
01	DO0
02	DO1
03	DO2
04	DO3
05	DO4
06	DO5
07	DO6
08	DO7
09	DO8
10	DO9
11	DO10
12	DO11
13	DO12
14	DO13
15	DO14
16	DO15
17	DO.GND
18	DO.GND
19	DO.PWR
20	DO.PWR

Dimensions (Units: mm)



Left View | Front View | Top View

Ordering Information

I-8057W-G CR	16-channel Isolated Digital Output Module (RoHS)
I-8057PW-G CR	16-channel Isolated Self Protected Digital Output Module (RoHS)

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