



## I-9057P

16-channel Isolated Digital Output Module

### Features

- 16-channel Open Collector Output
- Sink-type Digital Output
- Channel Status LED Indicators
- Up to 60 VDC Overvoltage Protection
- Overload Protection
- Short-circuit Protection
- 4 kV ESD Protection
- Wide Operating Temperature Range: -25 to +75 °C



### Introduction

The I-9057P module offers 16 digital output channels, each of which features Photocouple isolation and supports sink-type output using an open collector. In addition, 16 LED indicators are included to monitor the status of digital output channels. The I-9057P integrates overcurrent, over-voltage and short-circuits protections for industrial use. 4 kV ESD protection and 3750 VDC intra-module isolation are also provided as standard.

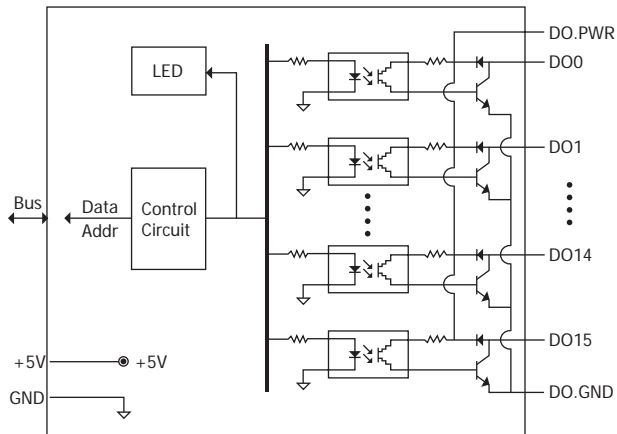
### System Specifications

LED Display	
System LED Indicator	1 LED as Power Indicator
I/O LED Indicator	16 LEDs as Digital Input Indicators
Isolation	
Intra-module Isolation, Field-to-Logic	3750 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal ±8 kV Air for Random Point
Power	
Power Consumption	1 W Max.
Mechanical	
Dimensions (W x L x H)	31 mm x 134 mm x 144 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90% RH, Non-condensing

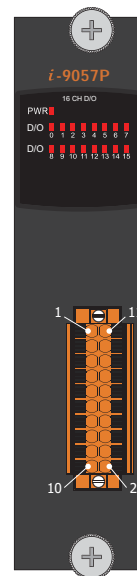
### I/O Specifications

Digital Input	
Channels	16
Sink/Source (NPN/PNP)	Sink
Output Type	Isolated Open Collector
Max. Load Current	100 mA/Channel
Load Voltage	+10 VDC ~ +50 VDC
Overvoltage Protection	60 VDC
Overload Protection	1.1 A
Short-circuit Protection	Yes

## Internal I/O Structure



## Pin Assignments

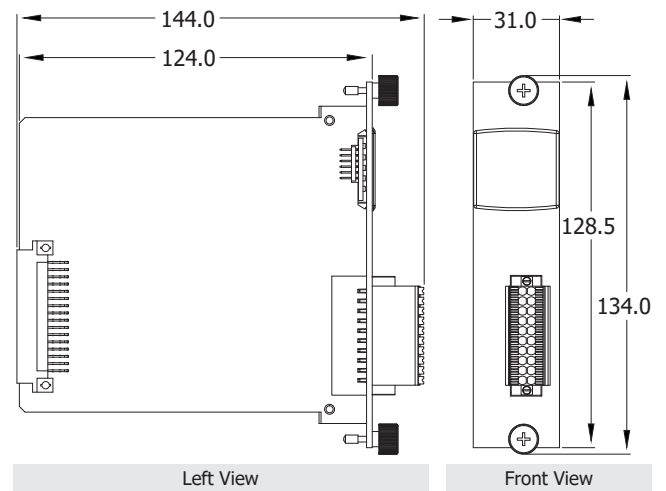


Pin Assignment	Terminal No.	Pin Assignment
DO0	01	DO8
DO1	02	DO9
DO2	03	DO10
DO3	04	DO11
DO4	05	DO12
DO5	06	DO13
DO6	07	DO14
DO7	08	DO15
DO.GND	09	DO.GND
DO.PWR	10	DO.PWR

## Wire Connections

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

## Dimensions (Units: mm)



## Ordering Information

<b>I-9057P CR</b>	16-channel Isolated Digital Output Module (RoHS)
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