



I-9037P

16-channel Isolated Open Emitter Output Module

Features

- 16 Isolated Open-Emitter Output Channel
- Support Source Type Digital Input
- Photocouple Isolation Protection
- Short Circuit Protection
- Overvoltage Protection
- 4 kV ESD Protection
- 3750 VDC Intra-module Isolation



Introduction

The I-9037P provides 16 channels of digital output with photo couple isolation. Source-type output with short circuit protection and up to 700 mA load current are supported for each channel. There are options for configuring power-on and safe digital output values. 4 kV ESD protection and 3750 VDC intra-module isolation are also included to enrich the noise protection ability for industrial environment.

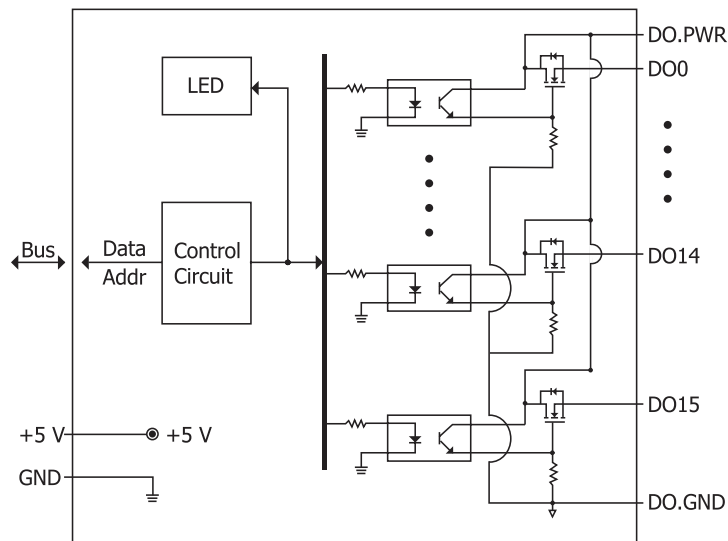
System Specifications

LED Indicators/Display	
System LED Indictors	1 LED as Power Indicator
I/O LED Indicators	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 Output	
Channels	16
Type	Isolated Open-Emitter
Sink/Source (NPN/PNP)	Source
Short-circuit Protection	Yes
Overvoltage Protection	60 VDC
Load Voltage	+5 ~ +30 VDC
Load Current	700 mA/Channel

Internal I/O Structure



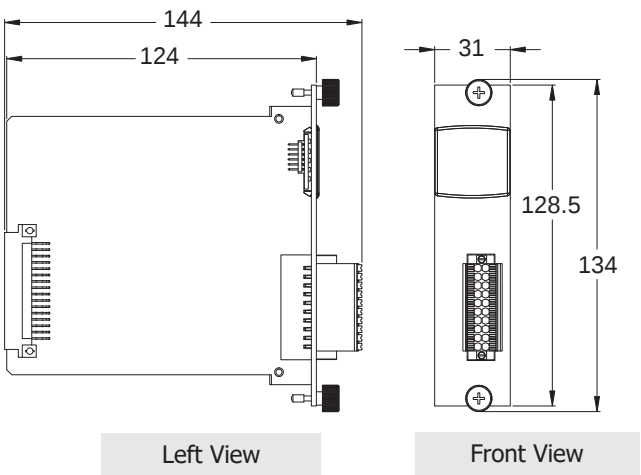
Wire Connections

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

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

Dimensions (Units: mm)



Ordering Information

I-9037P CR	16-channel Source Type Isolated Digital Output Module (RoHS)
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