

I-9037P

16-channel Source-type Isolated Digital Output Module

Features

- 16-channel Source-type Digital Output
- Channel Status LED Indicators
- Photo Couple Isolation
- Short Circuit Protection
- Power-on Value and Safe Value Options
- 4 kV ESD Protection
- 3750 Vrms Intra-Module Isolation
- Wide Operating Temperature Range: -25 to +75°C



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 Vrms intra-module isolation are also included to enrich the noise protection ability for industrial environment.

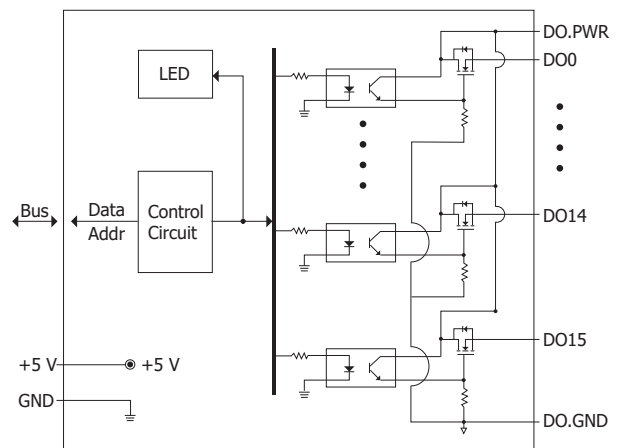
System Specifications

Model	I-9037P
LED Display	
System LED Indicator	1 LED as Power Indicator
I/O LED Indicator	16 LEDs as Digital Output Indicators
Isolation	
Intra-module Isolation, Field to logic	3750 Vrms
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal
	±8 kV Air for Random Point
Power	
Consumption	1 W Max., 10 A @ 30 VDC/per each one DO.GND point
Mechanical	
Dimensions (W × L × H)	31 mm × 144 mm × 134 mm
Environment	
Operating Temperature	-25 to +75 °C
Storage Temperature	-30 to +80 °C
Humidity	10 to 95 % RH, Non-condensing

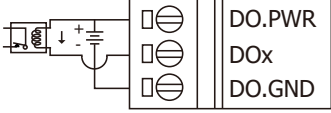
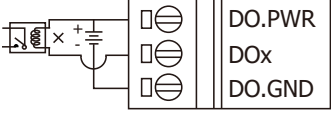
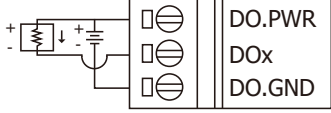
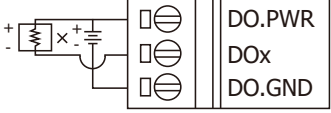
I/O Specifications

Model	I-9037P
Digital Output	
Channels	16
Sink/Source (NPN/PNP)	Source
Output Type	Isolated Open-Emitter
Max. Load Current	700 mA/Channel
Load Voltage	+ 5 to +30 VDC
Overvoltage Protection	60 VDC
Short-circuit Protection	Yes

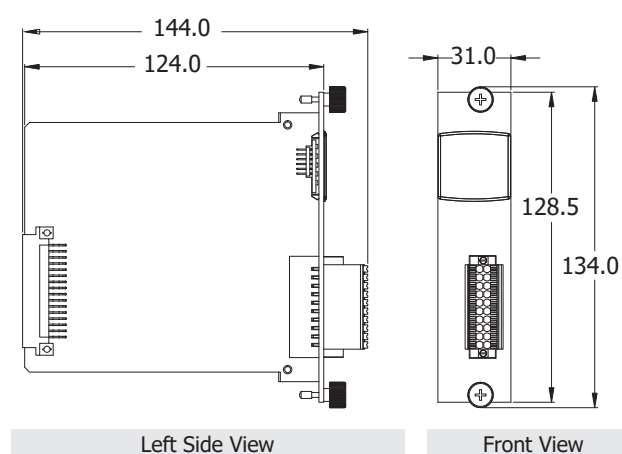
Internal I/O Structure



Wire Connections

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

Dimensions (Units: mm)



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

Ordering Information

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