



I-8060W

I-8063W

4/6/8-channel Power Relay Output Module

Features

- 8-channel AC Digital Input
- Photocouple Isolation
- I/O LED Display
- ±4 kV ESD Protection
- 5000 Vrms Intra-module Isolation
- 2 kV Channel-to-Channel Isolation
- Overvoltage Protection
- Wide Operating Temperature Range: -25 to +75°C



Introduction

The I-8058W is an 8-channel AC digital input module with high voltage isolation. The ON voltage level for the module range can be between 80 and 250 VAC.

The I-8058W include 8 LED indicators that can be used monitor DI channel status. 4 kV ESD protection and 5000 Vrms intra-module isolation are standard.

Applications

- Building Automation
- Factory Automation
- Machine Automation
- Remote Maintenance
- Remote Diagnosis
- Testing Equipment

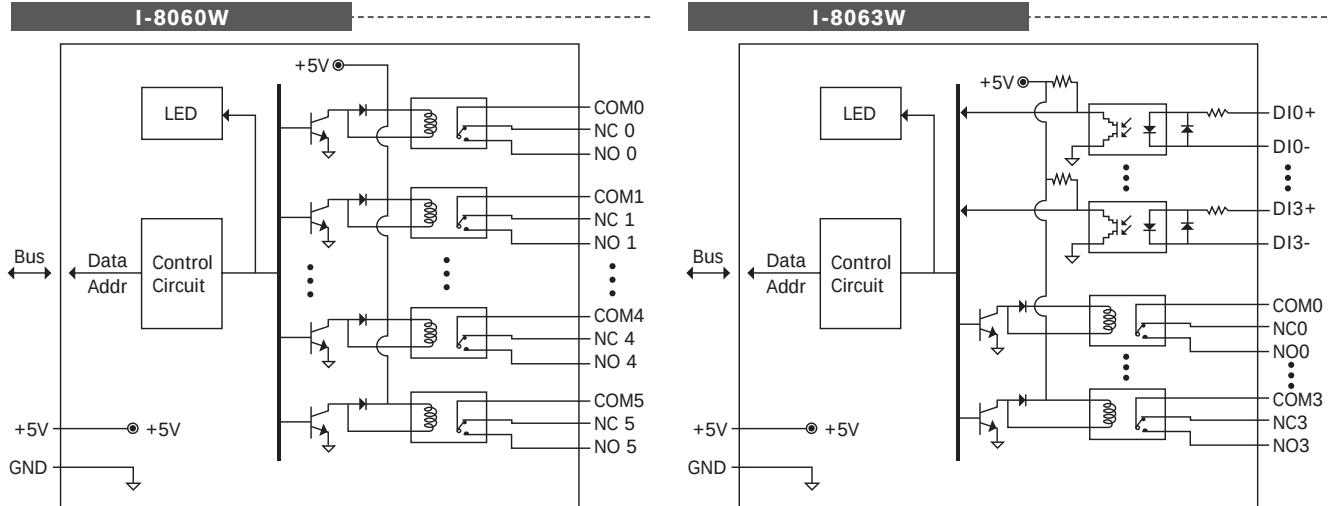
System Specifications

Model	I-8060W	I-8063W
LED Indicators		
Power LED Indicator	1	1
I/O LED Indicator	6 DO	4 DO, 4 DI
Isolation		
Intra-module Isolation, Field-to-Logic	-	3750 Vrms
EMS Protection		
ESD (IEC 61000-4-2)	-	4 kV Contact for each Terminal
Power		
Power Consumption	0.2A @ 5V = 1W, ±5% For Hardware	0.4A @ 5V = 2W, ±5% For Hardware
Mechanical		
Dimensions (L x W x H)	102 mm x 30 mm x 115 mm	
I/O Connector	20 Pin Terminal block	
Environment		
Operating Temperature	-25 to +75°C	
Storage Temperature	-30 to +85°C	
Humidity	10 to 90% RH, Non-condensing	

I/O Specifications

Model		I-8060W	I-8063W
	Relay Output		
Channels	Form C	6	4
Form C	Contact Rating	0.5 A @ 125 VAC ; 0.25 A @ 250 VAC, 2 A @ 30 Vdc	5 A (NO)/3 A (NC) @ 30 Vdc 5 A(NO)/3 A (NC) @ 277 VAC
	Min. Contact Load	2.0 A at 23°C	5 A (NO)/ 3 A (NC) at 65°C
	Contact Material		
	Operate Time	10 ms Max.	
	Release Time	5 ms Max.	
	Insulation Resistance	-	Min. 100 MΩ, at 500 VDC
	Mechanical Endurance	100,000,000 min.	
	Electrical Endurance	500, 000 Min. at 30 VDC @ 2A, Resistive	
Dielectric	Between Open	1000 Vrms	500 Vrms

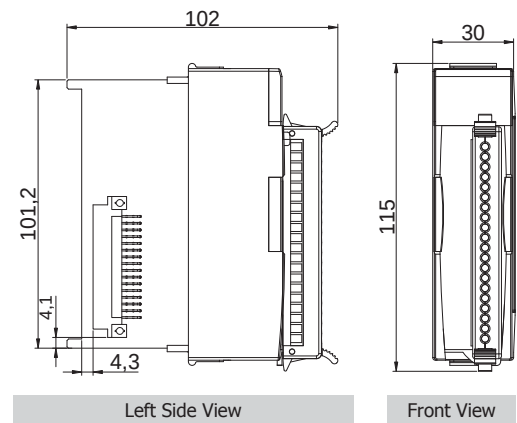
Internal I/O Structure



Pin Assignments

Terminal No.	Pin Assignment	Terminal No.	Pin Assignment
01	NO0	01	DI0+
02	NC0	02	DI0-
03	COM0	03	DI1+
04	NO1	04	DI1-
05	NC1	05	DI2+
06	COM1	06	DI2-
07	NO2	07	DI3+
08	NC2	08	DI3-
09	COM2	09	NO0
10	NO3	10	NC0
11	NC3	11	COM0
12	COM3	12	NO1
13	NO4	13	NC1
14	NC4	14	COM1
15	COM4	15	NO2
16	NO5	16	NC2
17	NC5	17	COM2
18	COM5	18	NO3
19	-	19	NC3
20	-	20	COM3

Dimensions (Units: mm)



Wire Connections

Digital Input/Counter	ON State Readback as 1	OFF State Readback as 0
Sink	OPEN or < +1 Vdc 	+4 ~ +30 Vdc
Source	OPEN or < +1 Vdc 	+4 ~ +30 Vdc

Output Type	ON State Readback as 1	OFF State Readback as 0
Relay Output		

Ordering Information

I-8060W-G CR	6-channel Relay Output Module (Gray Cover) (RoHS)
I-8063W-G CR	4-channel Isolated Digital Input and 4-channel Relay Output Module (Gray Cover) (RoHS)