

I-8063W

4-Channel Isolated Digital Input and
4-Channel Relay Output Module

Features

- 4-Channel Digital Input and 4-Channel Relay Output
- Sink-type and Source-type Digital Input
- Form C Power Relay Output
- Each digital channel has its own status LED
- 4 kV ESD Protection
- Wide Operating Temperature Range: -25 ~ +75 °C

Introduction

The I-8063W module provides 4 Isolated Digital Input channels and 4 Form C Relay Output channels. In addition, either sink-type or source-type Digital Input can be selected via the wire connections. The I-8063W includes 8 LED indicators that can be used to monitor the status of the Digital Input and Relay Output, and options are available for configuring power-on and safe values. 4 kV ESD protection and 3750 VDC intra-module isolation are also provided to enhance the noise protection capabilities of the module in harsh industrial environments.

System Specifications

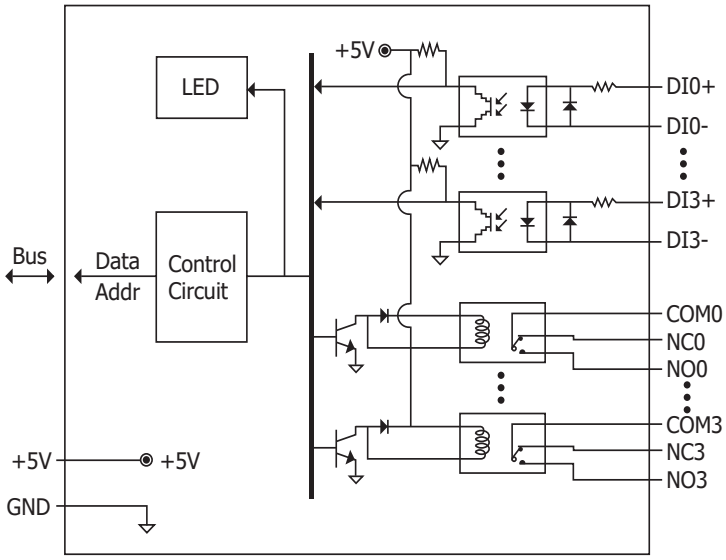
LED Indicators	
System LED Indicator	1 LED as Power Indicator
I/O LED Indicator	6 LEDs as Digital Input and Relay Output Status Indicator
Isolation	
Intra-module Isolation, Field-to-Logic	3750 Vrms
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
Power	
Consumption	2 W Max.
Mechanical	
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

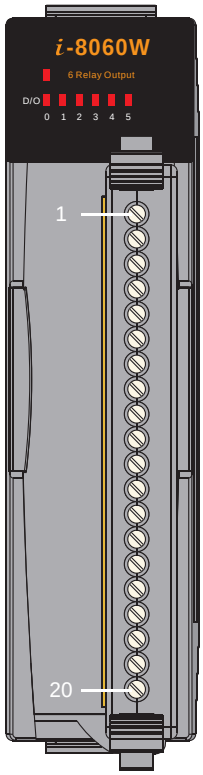
Digital Input		
Channels		4, Differential
Type		Wet Contact
Sink/Source (NPN/PNP)		Sink, Source
ON Voltage Level		+10 ~ +30 VDC
OFF Voltage Level		+4 VDC Max.
Input Impedance		3 kΩ, 0.5 W
Relay Output/Digital Output		
Channels		6, Form C
Type		Power Relay
Contact Rating		5 A (NO)/3 A (NC) @ 30 VDC; 5 A (NO)/3 A (NC) @ 277 VAC
Operate Time		10 ms Max.
Release Time		5 ms Max.
Electrical Endurance		500,000 Min. @ 30 VDC @ 2 A, Resistive
Mechanical Endurance		100,000,000 Min.
Surge Strength	Between Open Contacts	1000 Vrms (at 1 Minute)
	Between Coil and Contacts	1500 Vrms (at 1 Minute)

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Internal I/O Structure

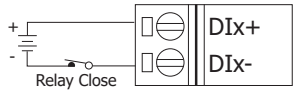
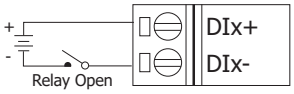
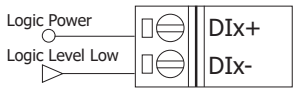
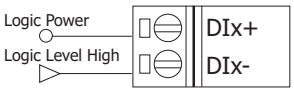
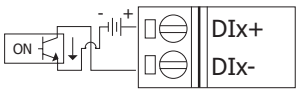
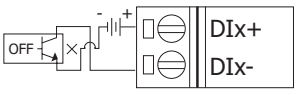
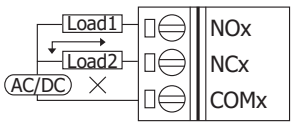
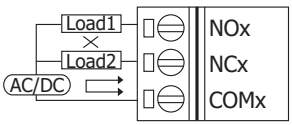


Pin Assignments

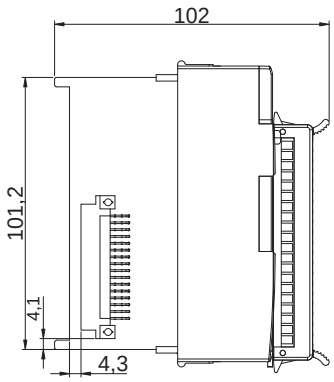


Terminal No.	Pin Assignment
01	DI0+
02	DI0-
03	DI1+
04	DI1-
05	DI2+
06	DI2-
07	DI3+
08	DI3-
09	NO0
10	NC0
11	COM0
12	NO1
13	NC1
14	COM1
15	NO2
16	NC2
17	COM2
18	NO3
19	NC
20	COM3

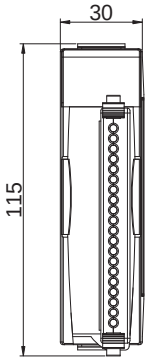
Wire Connections

Input Type	ON State Readback as 1	OFF State Readback as 0
Relay Contact	Relay ON	Relay OFF
		
TTL/CMOS Logic	Voltage > 10 V	Voltage < 4 V
		
Open Collector	Open Collector ON	Open Collector OFF
		
Output Type	**ON State Readback as 1**	**OFF State Readback as 0**
Relay Contact	Relay ON	Relay OFF
		

Dimensions (Units: mm)



Left View



Front View

Ordering Information

I-8063W-G CR	4-Channel Isolated DI and 4-Channel Power Relay Module (RoHS)

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