



I-8063



I-8063-G

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

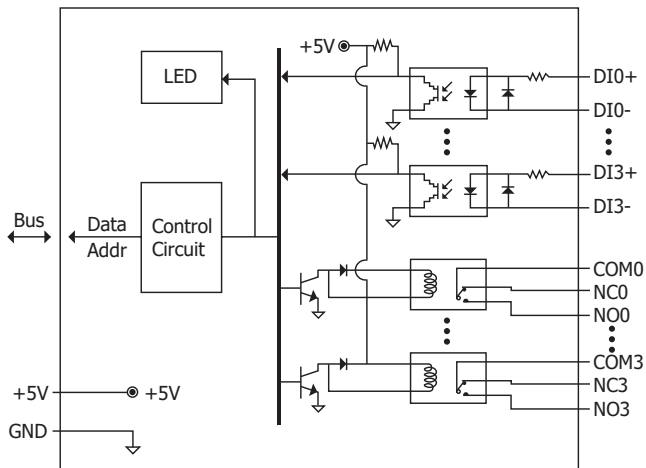
I/O Specifications

Model	I-8063
Digital Input	
Channels	4 (Sink/Source)
Input Type	Isolation, Differential
On Voltage Level	+3.5 V ~ 30 V
Off Voltage Level	+1 V Max.
Input Impedance	3 KOhms, 0.25 W
Digital Output	
Channels	4
Type	Power Relay, Form C
Operating Voltage Range	5 ~ 110 VAC @ 0.6A (47 ~ 63 Hz), 5 ~ 24 VDC @ 2A
Relay Contact Voltage Range	0 ~ 125 VAC @ 0.6A (47 ~ 63 Hz), 0 ~ 30 VDC @ 2A
Max. Load Current	2.0 A at 65°C
Max. Operate Time	3 ms Max.
Max. Release Time	2 ms Max.
Insulation Resistance	Min. 100 MOhms, at 500 VDC
Dielectric Strength	Between Open Contacts: 500 Vrms (at 1 Minute)
	Between Coil and Contacts: 1000 Vrms (at 1 Minute)
Relay Life	Mechanical : 100,000,000 min.
	Electrical : 500,000 Min. at 30 VDC @ 2A, Resistive

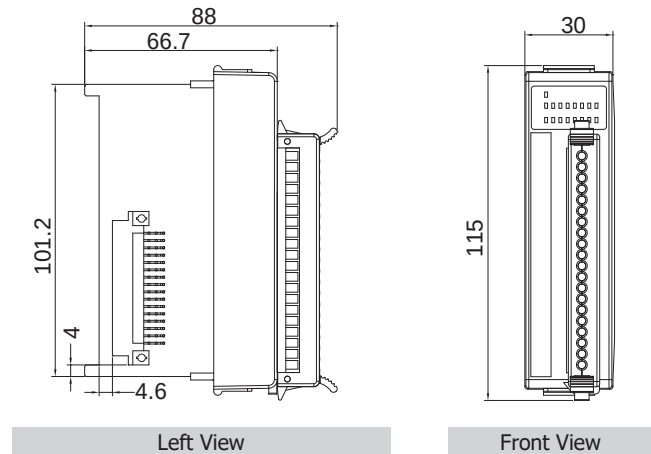
System Specifications

Model	I-8063
LED Indicators	
Power LED Indicator	Yes
I/O LED Indicator	8 LEDs as Digital Input and Relay Output Indicators
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	0.4A @ 5V = 2W, ±5% For Hardware version 2.2
Mechanical	
Dimensions (W x L x H)	30 mm x 88 mm x 115 mm
Environment	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

Internal I/O Structure



Dimensions (Units: mm)



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	NC3
20	COM3

Wire Connections

Input Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Relay Contact	Relay ON 	Relay OFF
TTL/CMOS Logic	Voltage > 3.5 V 	Voltage < 1 V
Open Collector	Open Collector ON 	Open Collector OFF

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

Ordering Information

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