

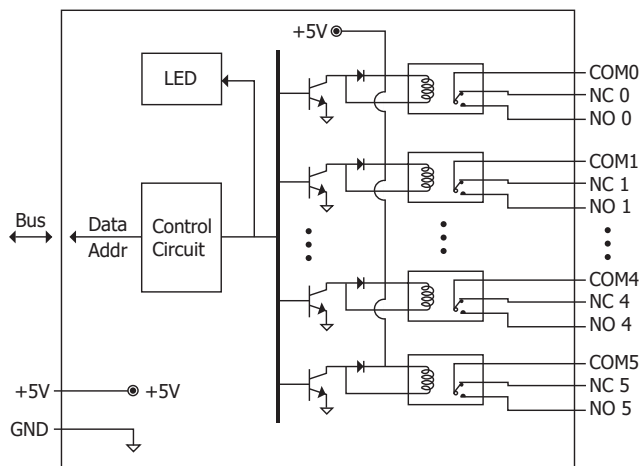
### I/O Specifications

Model	I-8060
<b>Digital Output</b>	
Channels	6
Type	Power Relay, Form C
Operating Voltage Range	0.6 A @ 125 VAC (47 ~ 63 Hz) 2 A @ 30 Vdc
Max. load Current	2.0 A at 65°C
Max. Operate Time	10 ms Max.
Max. Release Time	5 ms Max.
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

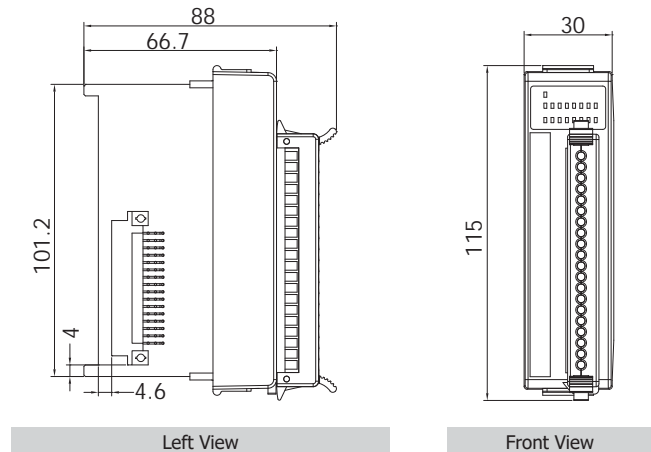
### System Specifications

Model	I-8060
<b>LED Indicators</b>	
Power LED Indicator	Yes
I/O LED Indicator	6 LEDs as Relay Output Indicators
<b>Isolation</b>	
Intra-module Isolation, Field-to-Logic	3750 Vrms
<b>EMS Protection</b>	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
<b>Power</b>	
Power Consumption	0.2A @ 5V = 1W, ±5% For Hardware version 3.0
<b>Mechanical</b>	
Dimensions (W x L x H)	30 mm x 88 mm x 115 mm
<b>Environment</b>	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

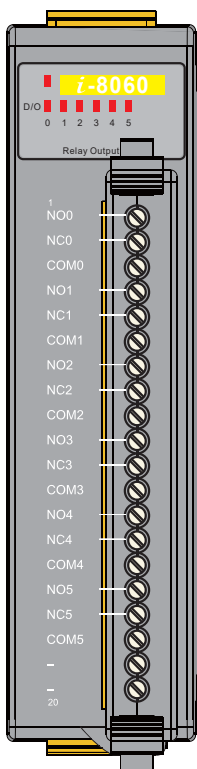
## Internal I/O Structure



## Dimensions (Units: mm)



## Pin Assignments



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

## Wire Connections

Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Relay Contact	<p>Relay ON</p>	<p>Relay OFF</p>

## Ordering Information

<b>I-8060</b>	6-channel Relay Output Module (Blue Cover)
<b>I-8060 CR</b>	6-channel Relay Output Module (Blue Cover) (RoHS)
<b>I-8060-G</b>	6-channel Relay Output Module (Gray Cover)
<b>I-8060-G CR</b>	6-channel Relay Output Module (Gray Cover) (RoHS)



**I-8063**



**I-8063-G**

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

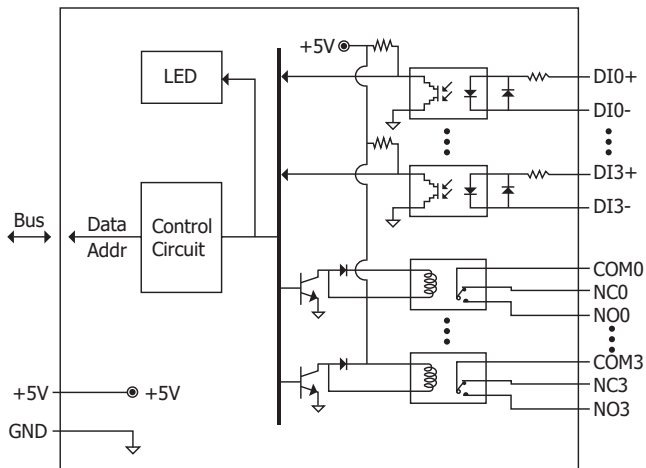
## I/O Specifications

Model	I-8063
<b>Digital Input</b>	
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
<b>Digital Output</b>	
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

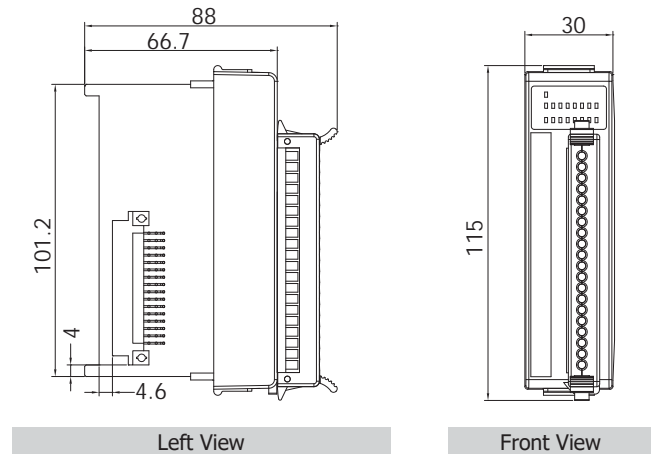
## System Specifications

Model	I-8063
<b>LED Indicators</b>	
Power LED Indicator	Yes
I/O LED Indicator	8 LEDs as Digital Input and Relay Output Indicators
<b>Isolation</b>	
Intra-module Isolation, Field-to-Logic	3750 Vrms
<b>EMS Protection</b>	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
<b>Power</b>	
Power Consumption	0.4A @ 5V = 2W, ±5% For Hardware version 2.2
<b>Mechanical</b>	
Dimensions (W x L x H)	30 mm x 88 mm x 115 mm
<b>Environment</b>	
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)



**I-8064**



**I-8064-G**

8-channel Power Relay Output Module

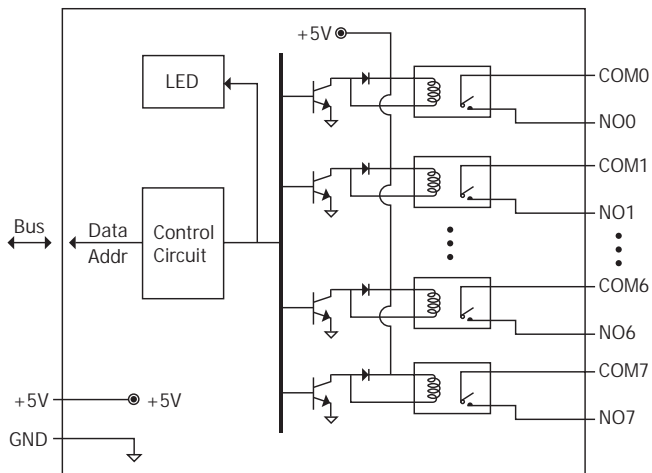
## I/O Specifications

Model	I-8064
<b>Digital Output</b>	
Channels	8
Type	Power Relay, Form A (Normal Open)
Relay Contact Voltage Range	0 ~ 250 VAC (47 ~ 63 Hz) 0 ~ 30 VDC
Max. Load Current	5.0 Arms
Max. Operate Time	6 ms Max.
Max. Release Time	3 ms Max.
Insulation Resistance	Min. 1,000 MOhms, at 500 VDC
Surge Strength	4000V (at 1.2*50us)
Dielectric Strength	Between Open Contacts: 750 Vrms (at 1 Minute)
	Between Coil and Contacts: 2000 Vrms (at 1 Minute)
Relay Life	Mechanical: 2*10,000,000 Min.
	Electrical: 100,000 min. , Resistive

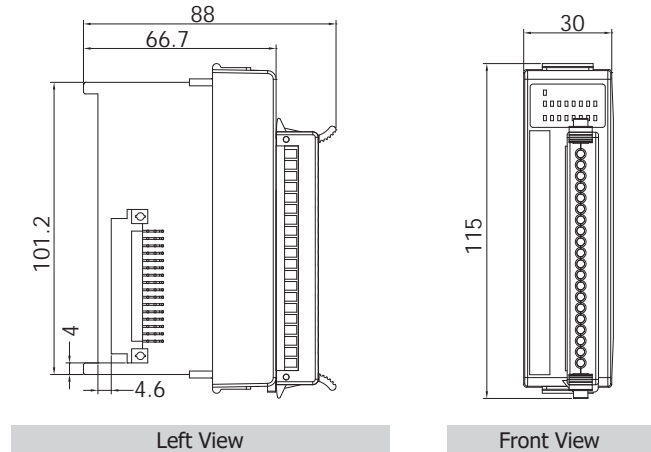
## System Specifications

Model	I-8064
<b>LED Indicators</b>	
Power LED Indicator	Yes
I/O LED Indicator	8 LEDs as Relay Output Indicators
<b>Isolation</b>	
Intra-module Isolation, Field-to-Logic	3750 Vrms
<b>EMS Protection</b>	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
<b>Power</b>	
Power Consumption	0.48A @ 5V = 2.4W ,±5% For Hardware version 3.0
<b>Mechanical</b>	
Dimensions (W x L x H)	30 mm x 88 mm x 115 mm
<b>Environment</b>	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

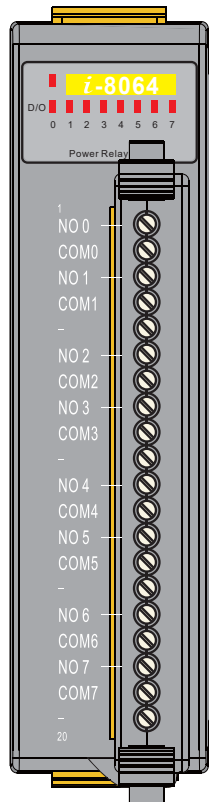
## Internal I/O Structure



## Dimensions (Units: mm)



## Pin Assignments



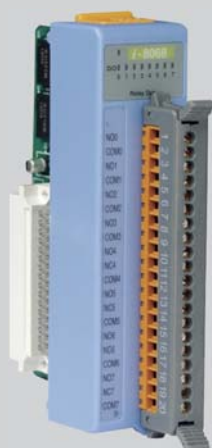
Terminal No.	Pin Assignment
01	NO0
02	COM0
03	NO1
04	COM1
05	-
06	NO2
07	COM2
08	NO3
09	COM3
10	-
11	NO4
12	COM4
13	NO5
14	COM5
15	-
16	NO6
17	COM6
18	NO7
19	COM7
20	-

## Wire Connections

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

## Ordering Information

I-8064	8-channel Power Relay Output Module (Blue Cover)
I-8064 CR	8-channel Power Relay Output Module (Blue Cover) (RoHS)
I-8064-G	8-channel Power Relay Output Module (Gray Cover)
I-8064-G CR	8-channel Power Relay Output Module (Gray Cover) (RoHS)



**I-8068**



**I-8068-G**

4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module

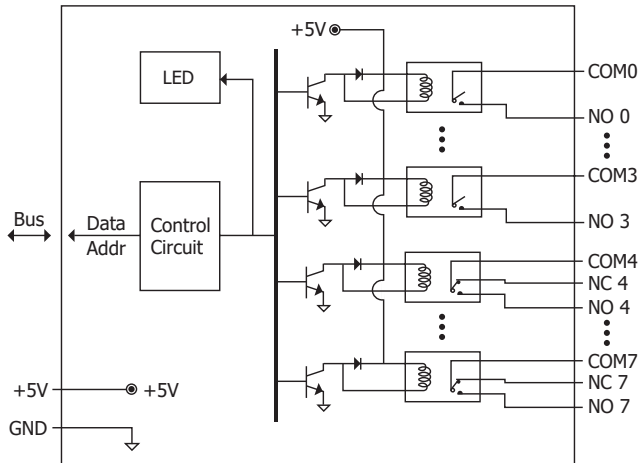
## I/O Specifications

Model	I-8068
<b>Digital Output</b>	
Channels	8
Type	Power Relay, 4 Form A and 4 Form C
Operating Voltage Range	5 ~ 110 VAC @ 0.5A (47 ~ 63 Hz) 5 ~ 24 VDC @ 1A
Relay Contact Voltage Range	0 ~ 120 VAC @ 0.5A (47 ~ 63 Hz) 0 ~ 30 VDC @ 1A
Max. Load Current	1.0 A at 30 °C
Max. Operate Time	7 ms Max.
Max. Release Time	3 ms Max.
Dielectric Strength	Between Open Contacts : 500 Vrms (at 1 Minute)
	Between Coil and Contacts : 1000 Vrms (at 1 Minute)
Relay Life	Mechanical : 10,000,000 Min.
	Electrical : 500,000 Operation at 30V@1A, 200, 000 Operation at 120V @ 0.5A, Resistive

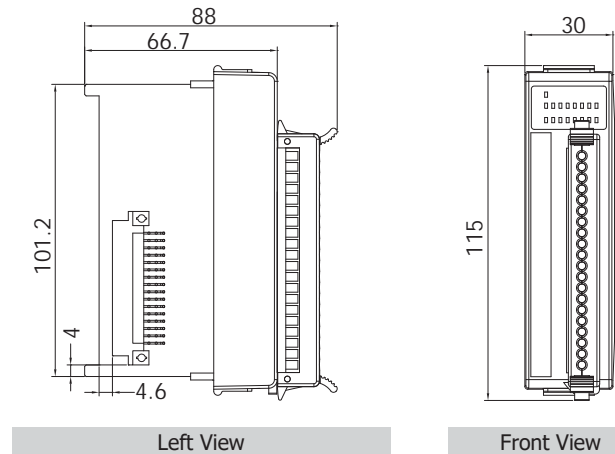
## System Specifications

Model	I-8068
<b>LED Indicators</b>	
Power LED Indicator	Yes
I/O LED Indicator	8 LEDs as Relay Output Indicators
<b>Isolation</b>	
Intra-module Isolation, Field-to-Logic	3750 Vrms
<b>EMS Protection</b>	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
<b>Power</b>	
Power Consumption	0.48A @ 5V = 2.4W, ±5% For Hardware version 3.0
<b>Mechanical</b>	
Dimensions (W x L x H)	30 mm x 88 mm x 115 mm
<b>Environment</b>	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

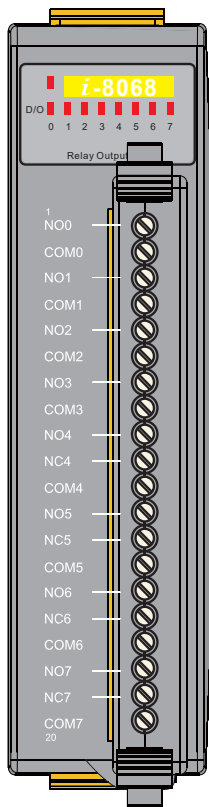
## Internal I/O Structure



## Dimensions (Units: mm)



## Pin Assignments



Terminal No.	Pin Assignment
01	NO0
02	COM0
03	NO1
04	COM1
05	NO2
06	COM2
07	NO3
08	COM3
09	NO4
10	NC4
11	COM4
12	NO5
13	NC5
14	COM5
15	NO6
16	NC6
17	COM6
18	NO7
19	NC7
20	COM7

## Wire Connections

Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Form A Relay Contact	Relay ON 	Relay OFF 
Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Form A Relay Contact	Relay ON 	Relay OFF 

## Ordering Information

<b>I-8068</b>	4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module (Blue Cover)
<b>I-8068 CR</b>	4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module (Blue Cover) (RoHS)
<b>I-8068-G</b>	4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module (Gray Cover)
<b>I-8068-G CR</b>	4-channel Form-A Relay Output and 4-channel Form-C Relay Output Module (Gray Cover) (RoHS)