



I-8055 I-8055-G

8-ch Non-isolated DI and 8-ch Non-isolated DO Module

Features

- 8-channel Non-isolated Digital Input and 8-channel Non-isolated Digital Output
- Sink-type Digital Output Channels
- Dry Contact Digital Input Channels
- 4 kV ESD Protection

Introduction

The I-8055 module offers 8 Non-isolated Digital Input channels and 8 Non-isolated Digital Output channels. The I-8055 supports sink-type Digital Output and Digital Input with dry contact connections. The I-8055 includes 16 LED indicators that can be used to monitor the status of the Digital Input and Digital Output channels. 4 kV ESD protection is provided for the Digital Input and Digital Output channels as standard.

System Specifications

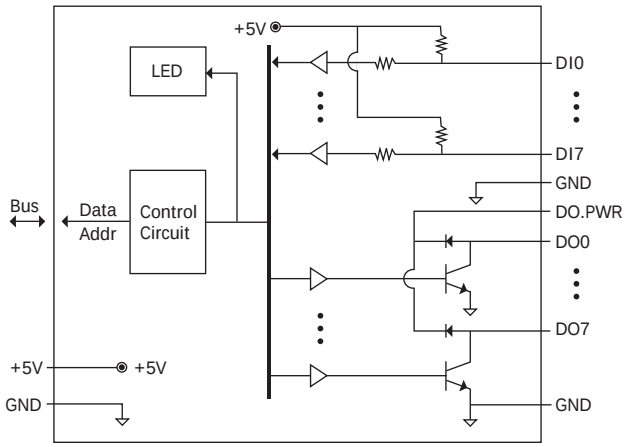
LED Indicators/Display	
System LED Indictors	1 as Power Indicator
I/O LED Indicators	16 LEDs as Digital Input & Digital Output Indicators
Isolation	
Intra-module Isolation, Field-to-Logic	-
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
Power	
Power Consumption	1 W max.
Mechanical	
Dimensions (W x L x H)	31 mm x 116 mm x 88 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90% RH, Non-condensing

I/O Specifications

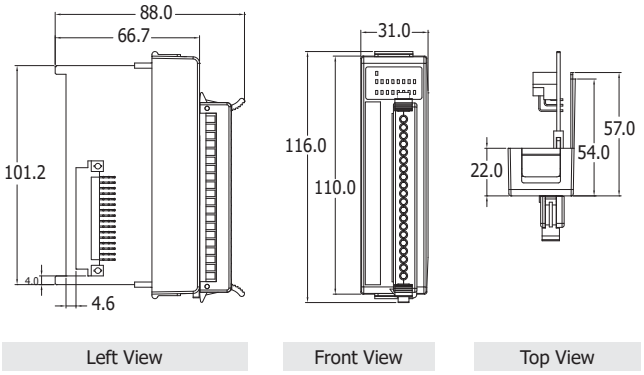
Digital Input	
Channels	8 Non-isolated Digital logic
Type	Dry Contact
Sink/Source (NPN/PNP)	Source
ON Voltage Level	Connect to GND
OFF Voltage Level	Open
Digital Output	
Channel	8
Type	Non-isolated Open Collector
Sink/Source (NPN/PNP)	Sink
Load Voltage	+5 ~ +30 VDC
Max. Load Current	100 mA/Channel

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Internal I/O Structure

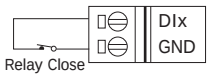
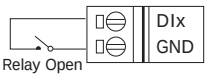
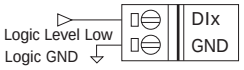
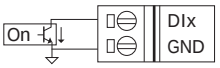
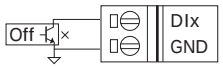


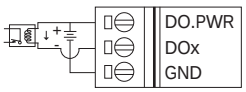
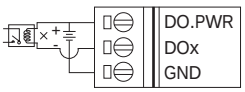
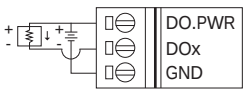
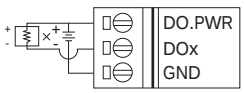
Dimensions (Units: mm)



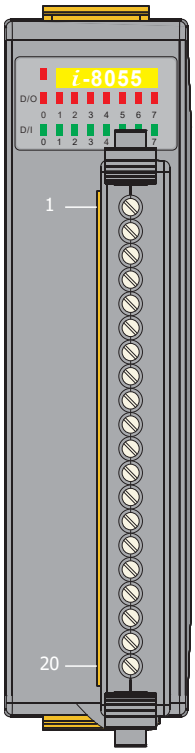
Left View | Front View | Top View

Wire Connections

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

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

Pin Assignments



Terminal No.	Pin Assignment
01	DI0
02	DI1
03	DI2
04	DI3
05	DI4
06	DI5
07	DI6
08	DI7
09	GND
10	GND
11	GND
12	DO0
13	DO1
14	DO2
15	DO3
16	DO4
17	DO5
18	DO6
19	DO7
20	DO.PWR

Ordering Information

I-8055 CR	8-ch Non-isolated DI (Dry) and 8-ch Non-isolated DO (Sink, NPN) Module (Blue Cover) (RoHS)
I-8055-G CR	8-ch Non-isolated DI (Dry) and 8-ch Non-isolated DO (Sink, NPN) Module (Gray Cover) (RoHS)

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000