

# I-8058W

8-channel 80-250VAC Isolated Digital Input Module

## Features

- 8-Channel AC Digital Input
- Photocouple Isolation
- 5000 Vrms Intra-module Isolation
- Each digital channel has its own status LED
- 4 kV ESD Protection
- Wide Operating Temperature Range: -25 ~ +75 °C

## Introduction

The I-8058W is an 8-channel AC/DC Digital Input module with high voltage isolation. The ON voltage level for the module range can be between 80 ~ 250 VAC/VDC. The I-8058W include 8 LED indicators that can be used monitor DI channel status. 4 kV ESD protection and 5000 VDC intra-module isolation are standard.

## System Specifications

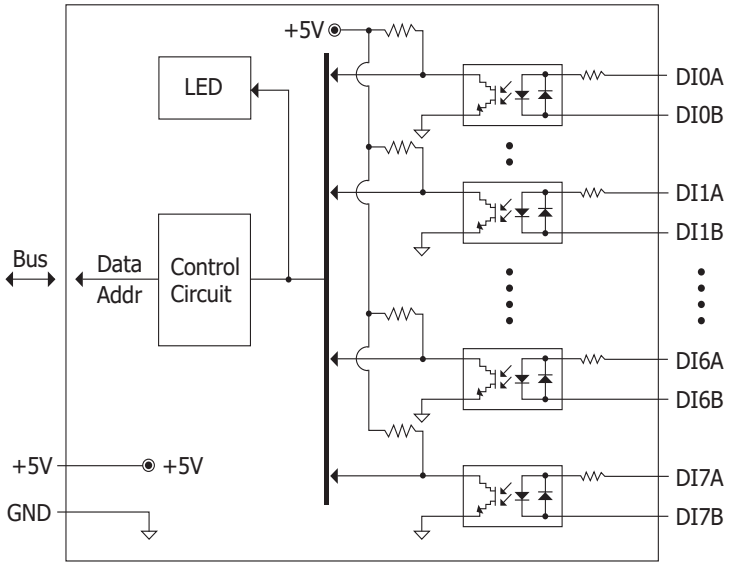
| | |
|---|---|
| **LED Indicators** | |
| System LED Indicator | 1 LED as Power Indicator |
| I/O LED Indicator | 8 LEDs as I/O Status Indicator |
| **Isolation** | |
| Intra-module Isolation, Field-to-Logic | 5000 Vrms |
| **EMS Protection** | |
| ESD (IEC 61000-4-2) | ±4 kV Contact for each Terminal |
| **Power** | |
| Consumption | 0.6 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

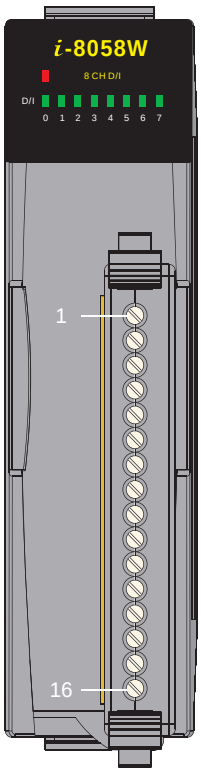
| | |
|---|---|
| **Digital Input** | |
| Channels | 8, AC, Differential |
| Type | Wet Contact |
| ON Voltage Level | 80 ~ 250 VAC |
| OFF Voltage Level | 30 VAC Max. |
| AC Frequency | 50 ~ 400Hz |
| Input Impedance | 68 kΩ, 1 W |

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

## Internal I/O Structure

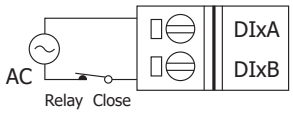
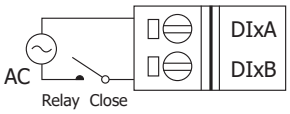



## Pin Assignments

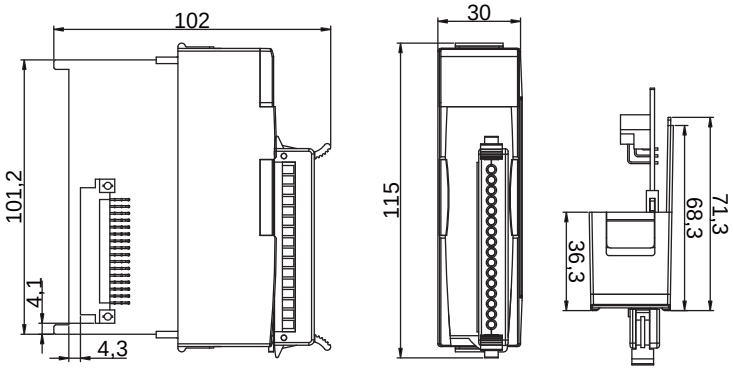



| Terminal No. | Pin Assignment |
|---|---|
| 01 | DI0A |
| 02 | DI0B |
| 03 | DI1A |
| 04 | DI1B |
| 05 | DI2A |
| 06 | DI2B |
| 07 | DI3A |
| 08 | DI3B |
| 09 | DI4A |
| 10 | DI4B |
| 11 | DI5A |
| 12 | DI5B |
| 13 | DI6A |
| 14 | DI6B |
| 15 | DI7A |
| 16 | DI7B |

## Wire Connections

| Input Type | ON State Readback as 1 | OFF State Readback as 0 |
|---|---|---|
| | **Voltage > 80 VAC** | **Voltage < 30 VAC** |
| Relay Contact |   |   |

## Dimensions (Units: mm)




Left View | Front View | Top View

## Ordering Information

| | |
|---|---|
| **I-8058W-G CR** | 8-Channel 80 ~ 250 VAC Isolated Digital Input Module (RoHS) |

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