



I-8069W

8-channel PhotoMOS Relay Output Module

Features

- 8 PhotoMos Relay Outputs
- No Arcing, No Bounce, and No Switching Noise
- Optical Isolation
- 1500 VDC Intra-module Isolation
- 4 kV ESD Protection
- Wide Operating Temperature Range: -25 ~ +75 °C



Introduction

Both the I-8069W features eight Form A PhotoMOS relay output channels. In comparison to electromechanical relays, the PhotoMOS relays provide a faster response time, greater electrical endurance, higher vibration and shock resistance, and both the I-8069W include eight LED indicators that are used to display channel status as well as providing 4 kV ESD protection.

Applications

- All TypeS of On/Off Control
- Industrial Automation
- Industrial Machinery
- Building Automation
- Food and Beverage Systems
- Semiconductor Fabrication
- Control Systems

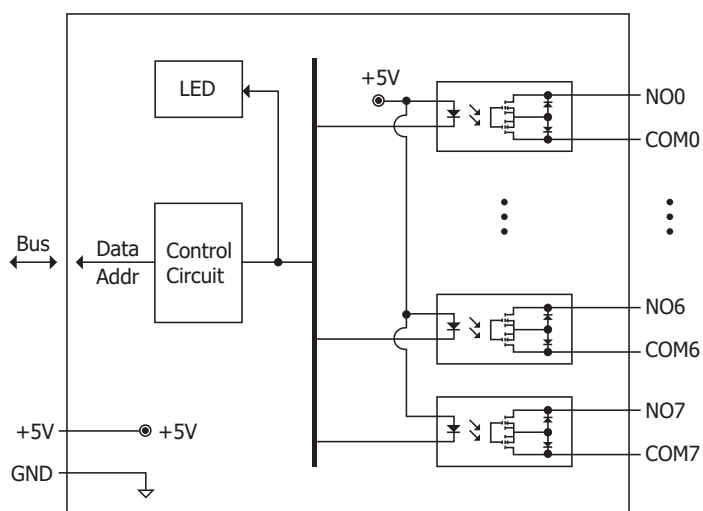
System Specifications

LED Indicators	
System LED Indicator	1
I/O LED Indicator	8
Isolation	
Intra-module Isolation, Field-to-Logic	1500 VDC
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 × 115 mm × 102 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90 % RH, Non-condensing

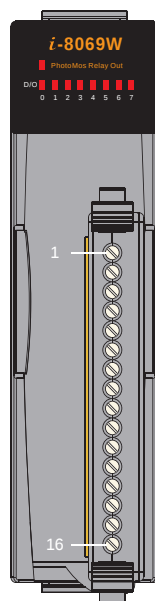
I/O Specifications

Digital Output	
Load Voltage	60 VDC Max. @ DC/AC
Max. Load Current	60 VDC/1.0 A @ -25 ~ +40 °C 60 VDC/0.8 A @ +40 ~ +60 °C 60 VDC/0.7 A @ +60 ~ +75 °C
Relay Output	
Channel	8 (Form A)
Type	PhotoMOS Relay
Turn on time	5.0 ms (Typical)
Turn off time	0.3 ms (Typical)
Peak Load Current	3 A @ 100 ms
Output Off State Leakage Current	1 uA
Output On Resistance	0.15 Ω

Internal I/O Structure



Pin Assignments

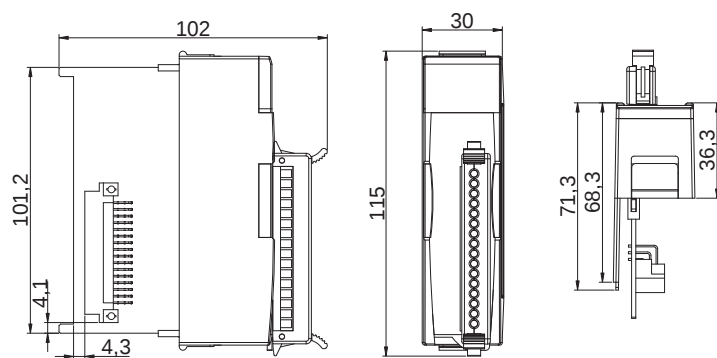


Terminal No.	Pin Assignment
	01 NO0
	02 COM0
	03 NO1
	04 COM1
	05 NO2
	06 COM2
	07 NO3
	08 COM3
	09 NO4
	10 COM4
	11 NO5
	12 COM5
	13 NO6
	14 COM6
	15 NO7
	16 COM7

📁 Wire Connections

PhotoMOS Relay	ON State Readback as 1	ON State Readback as 0
Relay Output		

📏 Dimensions (Unit: mm)



Left View

Front View

Top View

Ordering Information

I-8069W-G CR	8-channel PhotoMOS Relay Output Module (RoHS)
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