



I-8069W-G

8-channel PhotoMOS Relay Output Module

Features

- 8 PhotoMos Relay Outputs
- 4 kV ESD Protection
- No Arcing, No Bounce, and No Switching Noise
- Optical Isolation
- 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.

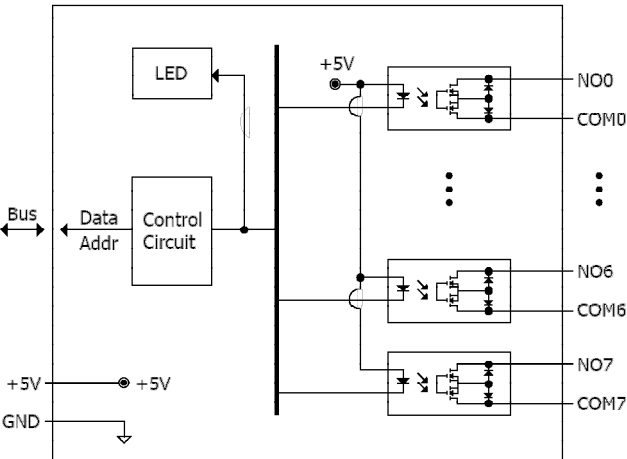
System Specifications

LED Indicators/Display	
System LED Indictors	1 LED as Power Indicator
I/O LED Indicators	8 LEDs as PhotoMos Relay Output Indicators
Isolation	
Intra-module Isolation, Field-to-Logic	1500 Vrms
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal
Power	
Power Consumption	0.6 W max.
Mechanical	
Dimensions (W x L x H)	30 mm x 115 mm x 102 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90% RH, Non-condensing

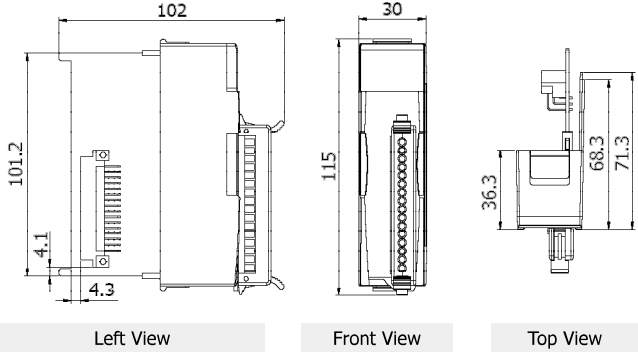
I/O Specifications

Relay Output	
Channels	8
Type	PhotoMOS Relay, Form A
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
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



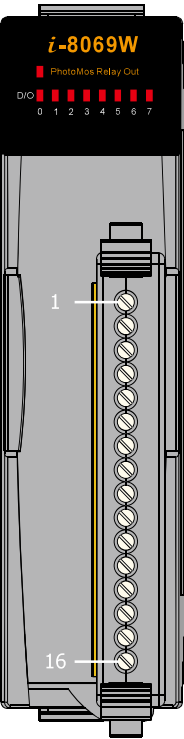
Dimensions (Units: mm)



Wire Connections

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

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

Ordering Information

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