

I-9069

8-Channel PhotoMOS Relay Output Module

Features

- 8-channel PhotoMOS Relay Output
- Form A Relay Output
- Configurable Power-on Value
- Configurable Safe Value
- 4 kV ESD Protection
- 3000 VDC Intra-module Isolation

Introduction

The I-9069 module provides 8 Form A PhotoMOS Output channels, and is an ideal solution for high-power applications. The I-9069 includes 8 LED indicators that can be used to monitor the status of the Relay Output channels, and options are available for configuring power-on and safe values. 4 kV ESD protection and 3000 VDC intra-module isolation are also provided to enhance the noise protection capabilities of the module in harsh industrial environments.

System Specifications

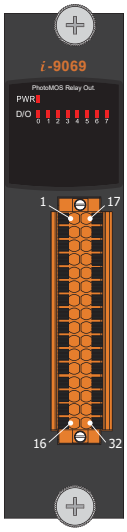
LED Display	
System LED Indicator	1 x Power and Communication
I/O LED Indicator	8 x PhotoMOS Relay
Isolation	
Intra-module Isolation, Field-to-Logic	3000 VDC
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal, ±8 kV Air for Random Point
Power	
Power Consumption	1 W Max.
Mechanical	
Dimensions (W x L x H)	31 mm x 134 mm x 144 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 (Form A)
Type	PhotoMOS Relay
Contact Material	Gold-plated Silver Cadmium Alloy
Contact Rating	60 V/1.0 A (Operating Temperature -25 ~ +40 °C) 60 V/0.8 A (Operating Temperature +40 ~ +60 °C) 60 V/0.7 A (Operating Temperature +60 ~ +75 °C)
Operate Time	2.0 ms (Max.)
Release Time	3 ms (Max.)
Electrical Endurance	1 x 105 ops.
Mechanical Endurance	2 x 107 ops.
Power on Value	Yes
Safe Value	Yes

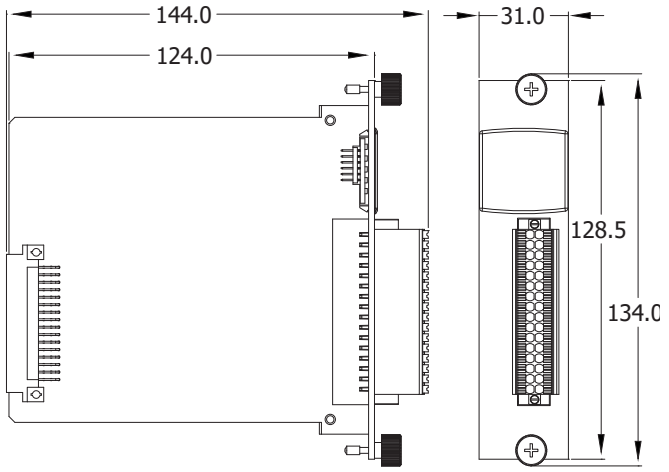
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Pin Assignments



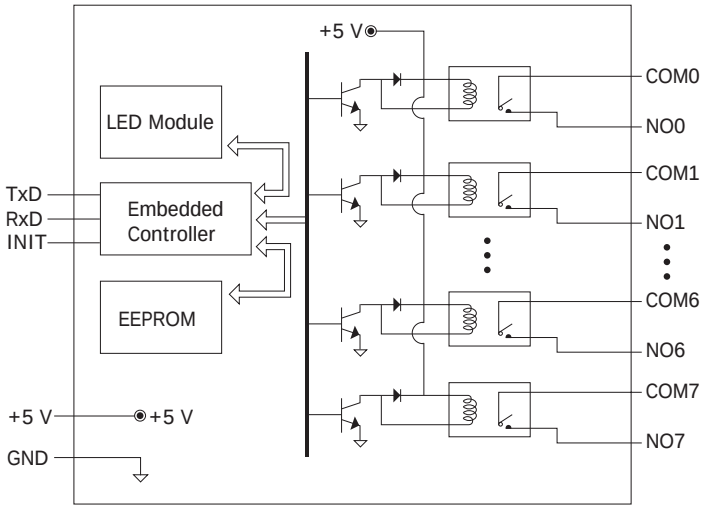
Pin Assignment	Terminal No.		Pin Assignment
NO0	01	17	NO0
COM0	02	18	COM0
NO1	03	19	NO1
COM1	04	20	COM1
NO2	05	21	NO2
COM2	06	22	COM2
NO3	07	23	NO3
COM3	08	24	COM3
NO4	09	25	NO4
COM4	10	26	COM4
NO5	11	27	NO5
COM5	12	28	COM5
NO6	13	29	NO6
COM6	14	30	COM6
NO7	15	31	NO7
COM7	16	32	COM7

Dimensions (Units: mm)

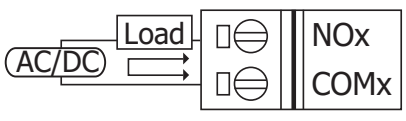
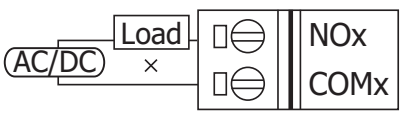


Left View | Front View

Internal I/O Structure



Wire Connections

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

Ordering Information

I-9069 CR	8-Channel PhotoMOS Relay Output Module (RoHS)

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