

## I ntroduction

The I-87058W is an 8 -channel AC digital input module with high voltage isolation. The ON voltage level for the module range can be between 80 and 250 VAC, and all DI channels are also able to be used as 16 -bit counters. The I-87059W is an 8 -channel AC digital input module with high voltage isolation. The ON voltage level for the module range can be between 10 and 80 VAC, and all DI channels are also able to be used as 16 -bit counters.
The I-87058W and I-87059W include 8 LED indicators that can be used monitor DI channel status. 4 kV ESD protection and 5000 Vrms intra-module isolation are standard.

System Specifications


## © Features

- 8-channel AC Digital Input

Low Pass Filter

- All Digital Channels Input can be used as Counter
- I/O LED Display
- $\pm 4$ kV ESD Protection
- 5000 Vrms Intra-module Isolation
- 2 kV Channel-to-Channel Isolation
- Overvoltage Protection
- Wide Operating Temperature Range: -25 to $+75^{\circ} \mathrm{C}$


## CEFGE

## Applications

- Building Automation
- Factory Automation
- Machine Automation
- Remote Maintenance
- Remote Diagnosis
- Testing Equipment.
- Internal I/ O Structure $\qquad$


Wire Connections


| I-87059W |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Digital Input/ Counter | ON State Readback as 1 |  | OFF State Readback as 0 |  |
| AC Digital Input | +10 ~ +80 VAC |  | Open or <3 VAC |  |
|  | АС ${ }_{\text {A }}$ | Dlx+ DIx- | ACL- | DIx+ DIx- |

Dimensions (Units: mm) $\qquad$


Ordering I nformation

| I-87058W-G CR | 8-channel 80 to 250 VAC Isolated Digital Input Module with 16-bit Counters (Gray Cover) (RoHS) |
| :--- | :--- |
| I-87059W-G CR | 8-channel 10 to 80 VAC Isolated Digital Input Module with 16-bit Counters (Gray Cover) (RoHS) |

## - Accessories

SG-770 CR
7-channel Differential or 14-channel Single-ended Surge Protector (RoHS)

