



I-87042W

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16-channel Isolated Digital Input & 16-channel Isolated Digital Output Module

Introduction

I-87042W offers 16 channels for digital input and 16 channels for digital output. Each of which features Photo-couple isolation. I-87042W supports sink type output with short-circuits protection. There are option for power on value and safe value for your consideration. About Input, you can chose sink type or source type input by wire connection. All channels are able to be used as 16-bit counter. I-87042W also has 32 LED indicators for channel status. 4KV ESD protection and 3750VDC intra-module isolation are standard.

Features

- Digital Input for Sink Type or Source Type.
- Digital Outputs for Sink Type.
- Power On Value Setting.
- Safe Value Setting.
- Photo Couple Isolation.
- 4KV ESD Protection.
- 3750 VDC Intra-module Isolation.
- RoHS Compliance.
- A Wide Range of Operating Temperature: -25 °C ~ 75 °C

Specifications

Digital Input	
Input Channels	16 (Sink/Source)
Input Type	One common for all Inputs
On Voltage Level	+3.5 V ~ 30 V
Off Voltage Level	+2 V max
Input Impedance	3K Ohms
Intra-module Isolation, Field to Logic	3750 VDC
4KV ESD Protection	Contact for each channel
Digital Output	
Output Channels	16 (Sink)
Output Type	Open-collector
Max Load Current	100 mA/Channel
Load Voltage	5 VDC ~ 30 VDC
Intra-module Isolation, Field to Logic	3750 VDC
4KV ESD Protection	Contact for each channel
Watchdog	
Dual Watchdog	Yes, Module(1.6 sec) and Communication(Programable)
Safe Value(When Host Fail or Communication Fail)	Yes
Power ON Preset Value	Yes
LED Display	
1 LED as Power Indicator	
32 LEDs as Digital Input and Output Indicators	
Power	
Power Consumption	0.25A @ 5V = 1.25W ,+/- 5% For Hardware
Environment	
Operating Ttemperature	-25 to 75 °C
Storage Ttemperature	-30 to 75 °C
Humidity	5 to 95%, Non-condensing
Dimensions	
30 x 85 x 115 (W x D x H)	

Ordering information

I-87042W-G CR	16-channel Isolated Digital Input & 16-channel Isolated Digital Output Module (Gray Cover) (RoHS)
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