



I-8053PV-220VDC

16-channel Isolated Digital Input Module

Features

- 16-channel Digital Inputs
- Photocouple Isolation
- LED indicators for power and Digital Inputs
- 4 kV ESD Protection
- 3750 Vrms Intra-module Isolation



Introduction

The I-8053PV-220VDC offers 16 channels for Digital Input, all channels feature Photocouple-isolation. 16 LED indicators are provided to monitor the DI channel status. 4 kV ESD protection and 3750 Vrms intra-module isolation are also provided to enhance noise immunity capabilities in industrial environments.

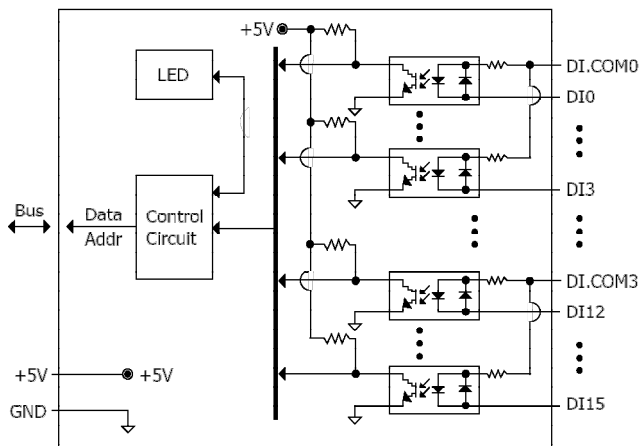
System Specifications

LED Indicators/Display	
System LED Indictors	1 LED as Power Indicator
I/O LED Indicators	16 LEDs as Digital Input Indicators
Isolation	
Intra-module Isolation, Field-to-Logic	3750 Vrms
EMS Protection	
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal
Power	
Power Consumption	0.4 W max.
Mechanical	
Dimensions (W x L x H)	30 mm x 102 mm x 115 mm
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 90% RH, Non-condensing

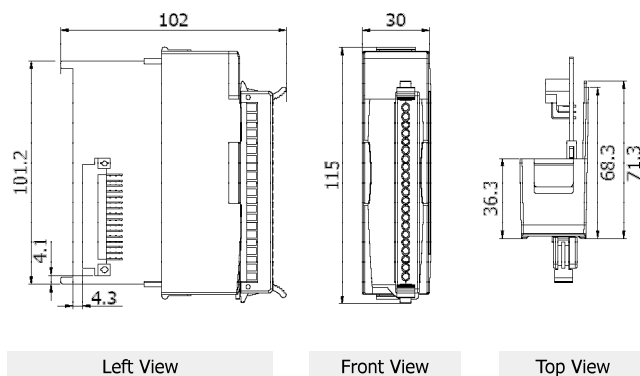
I/O Specifications

Digital Input	
Channels	16
Type	Four Commons for All Inputs
Sink/Source (NPN/PNP)	Sink, Source
ON Voltage Level	+180 ~ +220 Vdc
OFF Voltage Level	+120 VDC max.
Input Impedance	56 KΩ, 2 W

Internal I/O Structure



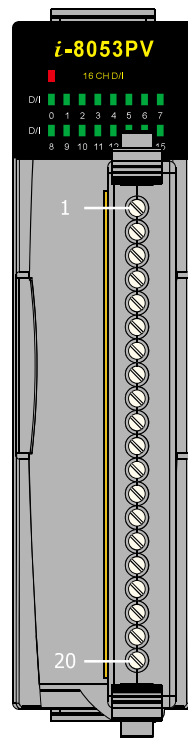
Dimensions (Units: mm)



Wire Connections

Input Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
Relay Contact	Relay ON 	Relay OFF
NPN Output	Open Collector ON 	Open Collector OFF
PNP Output	Open Collector ON 	Open Collector OFF

Pin Assignments



Terminal No.	Pin Assignment
01	DI.COM0
02	DI0
03	DI1
04	DI2
05	DI3
06	DI.COM1
07	DI4
08	DI5
09	DI6
10	DI7
11	DI.COM2
12	DI8
13	DI9
14	DI10
15	DI11
16	DI.COM3
17	DI12
18	DI13
19	DI14
20	DI15

Ordering Information

I-8053PV-220VDC CR	16-channel Isolated Digital Input Module (Gray Cover) (RoHS)
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