

# ADAM-5052

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8-ch Isolated Digital Input Module

32-ch Isolated Digital Input Module

16-ch Isolated Digital I/O Module with LED



ADAM-5052



ADAM-5053S



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## Specifications

### General

- **Certifications** CE, FM
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- **Enclosure** ABS+PC
- **Power Consumption** 0.27 W (max.)

### Digital Input

- **Channels** 8
- **Input Resistance** 3 k $\Omega$ /0.5 W
- **Logic Level** Logic level 0: 1 V<sub>max</sub>  
Logic level 1: 3.5 ~ 30 V

### Protection

- **Isolation Voltage** 5000 V<sub>RMS</sub>

## Ordering Information

- **ADAM-5052** 8-ch Isolated Digital Input Module

## Specifications

### General

- **Certifications** CE, FCC class A
- **Connector** 40 pin
- **Enclosure** ABS+PC
- **Power Consumption** 1 W (max.)

### Digital Input

- **Channels** 32
- **Channel I/O Type** DI  
24 Vdc (Sink/Source)

### Logic Level

- **Wet Contact** Logic level 0: 10 V Max.  
Logic level 1: 19 ~ 35 V

### Protection

- **Isolation Voltage** 2,500 V<sub>DC</sub>
- **Overvoltage Protection** 35 V<sub>DC</sub>

Note: only for ADAM-5550 Series

## Ordering Information

- **ADAM-5053S** 32-ch Digital Input Module
- **ADAM-3920** 20-pin Flat Cable Wiring Board
- **PCL-10220** 40-pin IDC to two 20-pin IDC cable, 1 m

## Specifications

### General

- **Certifications** CE
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 28 AWG)
- **Enclosure** ABS+PC
- **LED Indicators** On: Active  
Off: Inactive
- **Power Consumption** 0.68 W (max.)

### Digital I/O

- **Channels** 16
- **Channel I/O Type** 8 DO, 8 DI
- **Digital Input** Dry contact:  
Logic level 0: open  
Logic level 1: close to GND  
Wet contact:  
Logic level 0: 3 V max.  
Logic level 1: 10 ~ 50 V
- **Digital Output** Open collector to 40 V  
200 mA max. load
- **Power Dissipation** Channel : 1 W max.  
Total : 2.2 W  
(8 channels)

### Protection

- **Isolation Voltage** 2,500 V<sub>DC</sub>
- **Overvoltage Protection** 70 V<sub>DC</sub> (DI only)

## Ordering Information

- **ADAM-5055S** 16-ch Isolated Digital I/O Module with LED

|    |                        |
|----|------------------------|
| 19 | Embedded Controllers   |
| 20 | PC-based Controllers   |
| 21 | PAC                    |
| 22 | Motion Control         |
| 23 | RS-485 I/O             |
| 24 | Ethernet I/O           |
| 25 | Building Automation    |
| 26 | Self-service Terminals |
| 27 | eHome Platforms        |