# ADAM-5052
# ADAM-5053S
# ADAM-5055S

**8-ch Isolated Digital Input Module**

**32-ch Isolated Digital Input Module**

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

ADAM-5052 RoHS COMPLIANT 2002/95/EC CE FCC FM APPROVED

ADAM-5053S RoHS COMPLIANT 2002/95/EC CE FCC

ADAM-5055S RoHS COMPLIANT 2002/95/EC CE FCC

## Specifications

### General

- **Certification** 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 kΩ/0.5 W
- **Logic Level** Logic level 0: 1 V max<br>Logic level 1: 3.5 ~ 30 V

### Protection

- **Isolation Voltage** 5000 $V_{RMS}$

## Ordering Information

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

## Specifications

### General

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

### Digital Input

- **Channels** 32
- **Channel I/O Type** DI<br>24 $V_{DC}$ (Sink/Source)

### Logic Level

- **Wet Contact** Logic level 0: 10 V max<br>Logic level 1: 19 ~ 35 V

### Protection

- **Isolation Voltage** 2,500 $V_{DC}$
- **Overvoltage Protection** 35 $V_{DC}$

**Note:** only for ADAM-5550 & 5560 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

- **Certification** CE
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 28 AWG)
- **Enclosure** ABS+PC
- **LED Indicators** On: Active<br>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:<br>Logic level 0: open<br>Logic level 1: close to GND<br>Wet contact:<br>Logic level 0: 3 V max.<br>Logic level 1: 10 ~ 50 V
- **Digital Output** Open collector to 40 V<br>200 mA max. load
- **Power Dissipation** Channel : 1 W max.<br>Total : 2.2 W<br>(8 channels)

### Protection

- **Isolation Voltage** 2,500 $V_{DC}$
- **Overvoltage Protection** 70 $V_{DC}$ (DI only)

## Ordering Information

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

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