

# ADAM-5056/D/S

# ADAM-5056SO

# ADAM-5057S

16-ch Digital Output Module  
16-ch Source-type Isolated  
Digital Output Module with LED

32-ch Isolated Digital Output Module



## Specifications

### General

- **Certifications** CE, FCC class A (ADAM-5056S only)
- **Connectors**
  - ADAM-5056/5056D 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
  - ADAM-5056S 1 x Plug-in screw terminal (# 14 ~ 28 AWG)
- **Enclosure** ABS+PC
- **LED Indicators**
  - ADAM-5056D On: output logic level "1"  
Off: output logic level "0"
  - ADAM-5056S On: active  
Off: inactive
- **Power Consumption** ADAM-5056: 0.53 W (max.)  
ADAM-5056D: 0.84 W (max.)  
ADAM-5056S: 0.6 W (max.)

### Digital Output

- **Channels** 16
- **Digital Output**
  - ADAM-5056/5056D Open collector to 30 V, 100 mA max. load
  - ADAM-5056S Open collector to 40 V, 200 mA max. load (sink)
- **Operating Voltage** ADAM-5056/5056D: 30 V<sub>max</sub>
- **Power Dissipation** 300 mW for each channel
- **Protection (Only for ADAM-5056S)**
  - Optical Isolation 2500 V<sub>DC</sub>
  - Overvoltage Protection 70 V<sub>DC</sub>
  - Power Dissipation 300 mW

## Ordering Information

- **ADAM-5056** 16-ch Digital Output Module
- **ADAM-5056D** 16-ch Digital Output Module with LED
- **ADAM-5056S** 16-ch Sink Type Iso. DO Module w/ LED

## Specifications

### General

- **Certifications** CE, FCC class A
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 28 AWG)
- **Enclosure** ABS+PC
- **LED Indicator** On: active  
Off: inactive
- **Power Consumption** 0.6 W (Max.)

### Digital Output

- **Channels** 16
- **Digital Output** 10 ~ 35 V<sub>DC</sub>
- **Current** 200 mA max. (per channel)  
Channel : 1 W max.
- **Power Dissipation** Total : 2.2 W (8 channels)

### Protection

- **Optical Isolation** 2,500 V<sub>DC</sub>
- **Overvoltage Protection** 70 V<sub>DC</sub>

## Ordering Information

- **ADAM-5056SO** 16-ch Source Type Iso. DO Module w/ LED

## Specifications

### General

- **Certifications** CE, FCC class A
- **Connectors** 1 x 40 pin (wiring line)
- **Enclosure** ABS+PC
- **LED Indicator** On: active  
Off: inactive
- **Power Consumption** 1W (Max.)

### Digital Output

- **Channels** 32
- **Digital Output** Must connect with 2 units of ADAM-3920R

### Protection

- **Optical Isolation** 2,500 V<sub>DC</sub>
- **Overvoltage Protection** 70 V<sub>DC</sub>

### Relay Spec. of ADAM-3920R

- **Contact Rating** 10A @ 250 V<sub>AC</sub>  
10A @ 30 V<sub>DC</sub>
- **Contact Resistance** 100 mΩ
- **Operation Time** 15 ms
- **Relay Type SPST** (Form A)
- **Release Time** 5 ms max
- **Life Expectancy** 1.7 x 10<sup>5</sup> at related load
- **Insulation Resistance** 1GΩ @ 500 V<sub>DC</sub>
- **Power Input** +24 V<sub>DC</sub>
- **Mounting** DIN 35 rail, wall, rack (with mounting kit)

**Note:** ADAM-5057S must connect with 2 units of ADAM-3920R via PCL-10220

**Note:** only for ADAM-5550 Series

## Ordering Information

- **ADAM-5057S** 32-ch Digital Output Module
- **ADAM-3920R** 20-pin Flat Cable Wiring Relay Board
- **PCL-10220** 40-pin IDC to two 20-pin IDC cable, 1m