ADAM-5052
ADAM-5055S
ADAM-5056/5056D

8-channel Isolated Digital Input Module with LED

16-channel Isolated Digital I/O Module with LED

16-channel Digital Output Module

ADAM-5052   CE FM APPROVED

ADAM-5055S   CE

ADAM-5056
ADAM-5056D   CE

Specifications

General
- **Certifications**   CE, FM
- **Connectors**   1 x Plug-in screw terminal (# 14~22 AWG)
- **Power Consumption**   0.21 W (typical) 0.27 W (max.)

Digital Input
- **Channels**   8
- **Input Resistance**   3 kΩ / 0.5 W
- **Logic Level**   Logic level 0: 1 V_{max} Logic level 1: 3.5 ~ 30 V

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

Ordering Information

- **ADAM-5052**   8-channel Isolated Digital Input Module with LED

Specifications

General
- **Certifications**   CE
- **Connectors**   1 x Plug-in screw terminal (# 14~28 AWG)
- **LED Indicators**   On: Active Off: Inactive
- **Power Consumption**   0.68 W (Typical)

Digital I/O
- **Channels**   16
- **Channel I/O Type**   8 DO, 8 DI
- **Logic Level (DI)**
  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

Protection
- **Isolation Voltage**   2500 V_{DC}
- **Overvoltage Protection**   70 V_{DC} (DI only)

Ordering Information

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

Specifications

General
- **Certifications**   CE FM (ADAM-5056 only)
- **Connectors**   1 x Plug-in screw terminal (# 14~22 AWG)
- **LED Indicators: (ADAM-5056D)**
  On: output logic level "1"
  Off: output logic level "0"
- **Power Consumption**   ADAM-5056: 0.25 W (typical); 0.53 W (max.) ADAM-5056D: 0.5 W (typical); 0.84 W (max.)

Digital Output
- **Channels**   16
- **Digital Output**   Open collector to 30 V, 100 mA max. load
- **Operating Voltage**   30 V_{max}
- **Power Dissipation**   450 mW for each channel

Ordering Information

- **ADAM-5056**   16-channel Digital Output Module
- **ADAM-5056D**   16-channel Digital Output Module with LED

ADVANTECH