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
  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
  24 V_{DC} (Sink/Source)

Logic Level
- **Wet Contact** — Logic level 0: 10 V max
  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
  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_{DC}
- **Overvoltage Protection** — 70 V_{DC} (DI only)

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