ADAM-4053 ADAM-4055 ADAM-4080

16-ch Digital Input Module

16-ch Isolated Digital I/O Module with Modbus

2-ch Counter/Frequency Module



ADAM-4053

Specifications

General

 Connectors 2 x plug-in terminal blocks (#14 ~ 22 AWG) Power Consumption 0.4 W @ 24 V DC typ. 0.7 W @ 24 V DC max. Watchdog Timer System (1.6 second) ASCII command and Supported Protocols

Digital Input

- Channels
- Input Level Dry contact:

Wet contact:

Effective Distance

General

Power Input

Environment

Operating

Temperature

Storage Temperature -25 ~ 85°C

- Humidity

.

DAM ADAM-4055

2 x plug-in terminal blocks

(#14 ~ 28 AWG)

Communication

RTU

Yes

2.500 Vpc

1 W @ 24 V DC typ.

1.7 W @ 24 V DC max.

System (1.6 second) &

Dry/Wet Contact decided by

switch or jumper

Logic level 0: Open

Logic level 1: Closed to

Logic level 1: 10 ~ 50 V

8. open collector to 40 V

(1 channel 200 mA max. load,

total channel 800 mA max.

Total: 2.2 W (8 Channels)

16-ch Digital Input

I/O Module with

2-ch Counter/

Frequency Modules

16-ch Isolated Digital

Module

Modbus

Channel: 1 W max.

Support DO type:

 $70 V_{DC}$

load)

Logic level 0: 0 ~ 3 V max.

Sink (NPN) and Source (PNP)

GND

or floating

Specifications

General

- Connectors
- Power Consumption
- ASCII command and Modbus/

- Input Level Dry Contact:

Wet Contact:

Overvoltage Protection

Digital Output

- Channels
- Power Dissipation

Ordering Information

- ADAM-4053
- ADAM-4055
- ADAM-4080

DAM 0 LISTED US CEFC ROHS ADAM-4080

Specifications

General

- Connectors
- Power Consumption 2.0 W @ 24 V_{DC}
- Watchdog Timer
- Supported Protocols ASCII command
- LED Indicators

Counter Input

- Channels
- Input Frequency
- Input Pulse Width
- Input Mode
- Isolated Input Level
- Isolation Voltage Non-isolated
- Input Level
- Maximum Count
- Preset Type
- Programmable **Digital Noise Filter** Alarm
- Frequency
- **Measurement Range**
- Programmable **Built-in Gate Time**

Digital Output

- Channels
- Power Dissipation

(32-bit + 1-bit overflow) 50 kHz max. >10 µs. Isolated or non-isolated Logic level 0: 1 V max. Logic level 1: 3.5~30 V 2,500 V_{RMS} Programmable threshold.

2 independent counters

2 x plug-in terminal blocks

(#14 ~ 22 AWG)

5-digit readout,

(programmable)

Ch 0 or Ch 1

System (1.6 second)

Logic level 0: 0.8 Vmax. Logic level 1: 2.4 ~ 5.0 V 4,294,967,295 (32 bits) Absolute or relative 2 µs ~ 65 ms

Alarm comparators on each counter 5 Hz ~ 50 kHz

- 1 or 0.1 second
- 2. open collector to 30 V. 30 mA max. load 300 mW for each channel

5~95% RH

-10 ~ 70°C

(14 ~ 158° F)

(-13 ~ 185° F)

Unregulated 10 ~ 30 Vpc

Common Specifications

GND floating

Logic level 1: Open Logic level 0: 2 V Support DO type: Sink (NPN) only 500 m max.

(dry contact only)

Modbus/RTU 16

Logic level 1: 4 ~ 30 V or

Logic level 0: Closed to

 Watchdog Timer Supported Protocols **Isolation Voltage** LED Indicators

Digital Input

Channels