APAX-5040 APAX-5045

24-ch Digital Input Module

24-ch Digital Input/Output Module





APAX-5040

ROHS COMPLIANT 2002795EC C FCC

Specifications

General

 Certification CE, FCC class A **Dimensions (W x H x D)** 30 x 139 x 100 mm ABS+PC Enclosure

- Weight 160 g

2 W @ 24 VDC (typical) Power Consumption LED per channel Status Display On: Logic level 1 Off: Logic level 0

Digital Input

Channels 24 Points per Common 12

Type Sink or Source Load Rated Value: 24 V_{DC} Input Voltage For "0" signal: $-5 \sim 5 V_{DC}$

For "1" signal: $15 \sim 30 \ V_{DC}$ and $-15 \sim -30 \ V_{DC}$

Input Impedance

Input Delay From logic level 0 to 1: 0.2 ms From logic level 1 to 0: 0.2 ms

- Operating Frequency Input Filter 3 ms

Protection

2,500 V_{DC} Isolation Between Channels and Backplane

• Over Voltage Protection

Environment

■ Operating Temperature -10 ~ 60°C (when mounted vertically)

-20 ~ 70°C (for PE version)

 Storage Temperature -40 ~ 70°C

 Relative Humidity 5 ~ 95% (non-condensing)

Ordering Information

 APAX-5040 24-ch Digital Input Module

 APAX-5040PE 24-ch Digital Input Module with Wide Temperature APAX-5045

RoHS COMPLIANT 20027895C C FCC

Specifications

General

Certification CE, FCC class A **Dimensions (W x H x D)** 30 x 139 x 100 mm ABS+PC **Enclosure**

Weight

165 g 2.5 W @ 24 V_{DC} (typical) **Power Consumption** Status Display LED per channel On: Logic level 1 Off: Logic level 0

Digital Input

12 12 Channels Points per Common

Sink or Source Load Type Input Voltage

Fated Value: 24 V_{DC} For "0" signal: -5 \sim 5 V_{DC} For "1" signal: 15 \sim 30 V_{DC} and -15 \sim -30 V_{DC}

Input Impedance

Input Delay From Logic level 0 to 1: 0.2 ms From Logic level 1 to 0: 0.2 ms

Operating Frequency 3 kHz Input Filter

Digital Output

Channels 12 (Sink) **Voltage Range** 8 ~ 35 V_{DC}

Rated Current Output 0.5 A (per channel, at signal "1")
Permitted Current Output Max. 0.75 A (at signal "1") Leakage Current 0.1 mA (at signal "0") Resistive load: 300 Hz (max.) Switch Rate: Inductive load: max. 20 Hz (max.)

Lamp load: max. 200 Hz (5W lamp and under 50 Ω ,

Protection

 $2,500\ V_{DC}$ Isolation Between Channels and Backplane

Over Voltage Protection (for DI channel)

Short Circuit Protection (For DO channel)

Thermal Shutdown Protection (For DO channel)

Environment

Operating Temperature -10 ~ 60°C (mounted vertically)

-40 ~ 70°C Storage Temperature

Relative Humidity 5 ~ 95% (non-condensing)

Orderina Information

 APAX-5045 24-ch Digital Input/Output Module