

# APAX-5046

# APAX-5046SO

24-ch Digital Output Module

20-ch Source Type DO Module



APAX-5046

FCC CE RoHS



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## Specifications

### General

- **Certification** CE, FCC class A
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 165 g
- **Power Consumption** 2.5 W @ 24 V<sub>DC</sub> (typical)
- **Status Display** LED per channel  
On: Logic level 1  
Off: Logic level 0

### Digital Output

- **Channels** 24 (Sink Type)
- **Voltage Range** 8 ~ 35 V<sub>DC</sub>
- **Rated Current Output** 0.5 A (per channel, at signal "1")
- **Leakage Current** 0.1 mA (at signal "0")
- **Switch Rate:** Resistive load: 300 Hz (max.)  
Inductive load: 20 Hz (max.)  
Lamp load: 200 Hz (max. at 5W lamp and under 50 Ω, 24 V)

### Protection

- 2,500 V<sub>DC</sub> Isolation Between Channels and Backplane
- Short Circuit Protection
- Thermal Shutdown Protection

### Environment

- **Operating Temperature** -10 ~ 60°C (when mounted vertically)
- **Storage Temperature** -40 ~ 70°C
- **Relative Humidity** 5 ~ 95% (non-condensing)

## Ordering Information

- **APAX-5046** 24-ch Digital Output Module
- **APAX-5001** 1-slot Backplane Module
- **APAX-5002** 2-slot Backplane Module
- **APAX-5343E** Power Supply for APAX Expansion Module

## Specifications

### General

- **Certification** CE, FCC class A
- **Dimensions (W x H x D)** 30 x 139 x 100 mm
- **Enclosure** ABS+PC
- **Weight** 165 g
- **Power Consumption** 2.5 W @ 24 V<sub>DC</sub> (typical)
- **Status Display** LED per channel  
On: Logic level 1  
Off: Logic level 0

### Relay Output

- **Channels** 20 (Source Type)
- **Voltage Range** 10~35V<sub>DC</sub>
- **Rated Current Output** 1A(per channel, at signal "1")
- **Leakage Current** 0.1 mA (at signal "0")
- **Switch Rate** Resistive load : 300 Hz (max.)  
Inductive load: 20 Hz (max.)  
Lamp load: 200 Hz (max., at 5W amp and under 50Ω, 24V)

### Protection

- 2,500 V<sub>DC</sub> Isolation Between Channels and Backplane
- Short Circuit Protection
- Thermal Shutdown Protection

### Environment

- **Operating Temperature** -10 ~ 60° C (when mounted vertically)
- **Storage Temperature** -40 ~ 70° C
- **Relative Humidity** 5 ~ 95% (non-condensing)

## Ordering Information

- **APAX-5046SO** 20-ch Source-Type DO Module
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