BAS-3018

8-ch UI Expansion Module

BAS-3024

4-ch UI, 4-ch AO, 4-ch DO Expansion Module

NEW

RoHS COMPLIANT 2002/95/EC CE

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Specifications

General

- **Power Input**   24 V$_{DC}$/24 V$_{AC}$
- **Power Consumption**   3 W @ 24 V$_{DC}$

Universal Input

- **Channels**   8
- **Resolution**   16-bit
- **Sample Rate**   10 Hz (Total)
- **Accuracy**   ±0.1% of FSR (Voltage, Current)
- **Type and Range**
  Analog Input   0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA, Pt-100 RTD, Pt-1000 RTD, Thermistor (3 k, 10 k)
  Digital Input   Logic High: Close
  (Dry Contact)   Logic Low: Open
- **Over Voltage Protection** ±35 V
- **Span Drift**   ±25 ppm/° C
- **Zero Drift**   ±6 µV/° C

Protection

- **Isolation Voltage**   3000 V$_{DC}$

Common Specifications

General

- **Dimension (W x H x D)** 120 x 120 x 44 m
- **Enclosure**   ABS + PC
- **Watchdog Timer**   Yes
- **Operating Mode**   1. Connect to BAS-3520/3512
                            (Powered by BAS-3520/3512)
                         2. Standalone as remote I/O devices
                            (Need external power 24 V$_{DC}$)
- **Communication**   Local Bus (Connect to BAS-3520/3512)
                         RS-485 (Standalone as remote I/O devices)

Environment

- **Operating Temperature** -10 ~ 60° C
- **Storage Temperature**   -20 ~ 80° C
- **Operating Humidity**   20 ~ 95% (Non-condensing)
- **Storage Humidity**   0 ~ 95% (Non-condensing)

Specifications

General

- **Power Input**   24 V$_{DC}$/24 V$_{AC}$
- **Power Consumption**   4 W @ 24 V$_{DC}$

Universal Input

- **Channels**   4
- **Resolution**   16-bit
- **Sample Rate**   10 Hz (Total)
- **Accuracy**   ±0.1% of FSR (Voltage, Current)
- **Type and Range**
  Analog Input   0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA, Pt-100 RTD, Pt-1000 RTD, Thermistor (3 k, 10 k)
  Digital Input   Logic High: Close
  (Dry Contact)   Logic Low: Open
- **Over Voltage Protection** ±35 V
- **Span Drift**   ±25 ppm/° C
- **Zero Drift**   ±6 µV/° C

Analog Output

- **Channels**   4
- **Resolution**   12-bit
- **Accuracy**   ± 0.1% of FSR
- **Range**   0 ~ 10 V, 0 ~ 20 mA, 4 ~ 20 mA

Digital Output

- **Channels**   4 (Source Type)
- **Vcc: 10 ~ 35 V$_{DC}$, Current: 1 A (per channel)**
- **Minimum Period**   1 second (for PWM output)
- **Minimum Pulse Width** 0.1 second (for PWM output)

Protection

- **Isolation Voltage**   3000 V$_{DC}$

Ordering Information