Product sheet



Basic digital output kit 4 channels 24 V DC

Brand: SCHNEIDER

Reference: IMPO STBDDO3415K

Basic digital output kit for Modicon STB systems, with 4 solid state outputs, 24 V DC operating voltage, positive logic, 560 µs off-a-on response and 870 µs on-a-off. Compatible with STBXBA1000 base and STBPDT3100/3105 power distribution module.

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Description

Basic digital output kit for industrial automation systems, compatible with the Modicon STB range distributed I/O solution. Designed to control up to 4 digital outputs in industrial environments, with connection via screw connector and spring clamp. It works with 24 V DC voltage and positive logic, offering quick responses with 560 µs (off-a-on) and 870 µs (on-a-off) times.

Technical characteristics

- Number of digital outputs: 4
- Digital output type: Solid state
- Output voltage: 24 V DC
- Logic of discrete output: Positive
- Output voltage: 19,2...30 V DC
- Maximum absolute voltage: 56 V for 1.3 ms
- Response time: 560 µs (off-a-on), 870 µs (on-a-off)
- Cold exchange: Yes
- Delayed hot exchange: Not for basic NIM
- Integrated protection: PDM fuse (5A), reverse polarity, short circuit, thermal overload
- Inter-channel isolation and logic bus: 1500 V for 1 minute
- Overvoltage current: 2.5 A for 0.5 ms
- Maximum load capacity: 50 µF
- Current consumption: 70 mA in 5 V DC for logic bus
- Power supply: Power distribution module

- Operating ambient temperature: 0...60 °C
- Storage ambient temperature: -40...85 °C
- Relative humidity: 95 % at 60 °C without condensation
- Vibration resistance: 3 gn in 58...150 Hz (DIN 35 x 7.5 mm), 5 gn in 58...150 Hz (DIN 35 x 15 mm), ±0.35 mm in 10...58 Hz
- Shock resistance: 30 gn for 11 ms
- Degree of protection: IP20 according to IEC 61131-2 class 1
- Degree of contamination: 2 according to IK07
- Maximum operating altitude: ≤ 2000 m
- Status LED: 1 green LED (RDY), 1 green LED per channel (OUT1 to OUT4)
- Compatibility: I/O STBXBA1000 base, power distribution module STBPDT3100/3105
- Standards: IEC 61131-2
- Certifications: CE, CSA NF UL
- Weight of product: 0.11 kg
- Height: 13.9 mm
- Depth: 70 mm
- Width: 128.3 mm

Specifications

High	13,9 mm
Width	128,3 mm
EAN	3595863989281
Manufacturer	SCHNEIDER
# Elements	4
Weight (kg)	0,11 kg
Depth	70 mm
Protection	IP20
Nominal voltage (V)	24

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