



Price\* : 45.00 GBP



## Main

|                              |                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Range of product             | Modicon STB distributed I/O solution                                                                                                 |
| Product or component type    | Standard digital output kit                                                                                                          |
| Kit composition              | STBDDO3230 module<br>STBXBA1000 base<br>STBXTS1100, 6-terminal screw type connector<br>STBXTS2100, 6-terminal spring clamp connector |
| Discrete output number       | 2                                                                                                                                    |
| Discrete output type         | Solid state                                                                                                                          |
| Discrete output voltage      | 24 V                                                                                                                                 |
| Discrete output voltage type | DC                                                                                                                                   |

## Complementary

|                                           |                                                                                                                                                      |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Discrete output current                   | 2000 mA                                                                                                                                              |
| Discrete output logic                     | Positive or negative                                                                                                                                 |
| Output voltage                            | 19.2...30 V DC                                                                                                                                       |
| Absolute maximum voltage                  | 56 V 1.3 ms                                                                                                                                          |
| Response time                             | 520 µs off-to-on<br>720 µs on-to-off                                                                                                                 |
| Cold swapping                             | Yes                                                                                                                                                  |
| Hot swapping fallback                     | Yes for standard NIMs                                                                                                                                |
| Fallback status                           | State 0 basic NIMs<br>User configurable standard NIMs                                                                                                |
| Protection type                           | Reverse polarity protection<br>Short-circuit protection<br>Thermal overload protection<br>Power protection 1 external fuse per output time lag 2.5 A |
| Insulation between channels               | 1500 V for 1 minute                                                                                                                                  |
| Insulation between channels and logic bus | 1500 V for 1 minute                                                                                                                                  |
| Leakage current                           | <= 1 mA at state 0 30 V                                                                                                                              |

|                           |                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Surge current             | <= 10 A 0.5 ms                                                                                                           |
| Load capacitance          | <= 50 µF                                                                                                                 |
| Load inductance           | <= 500 mH 4 Hz                                                                                                           |
| Minimum load              | 2 mA                                                                                                                     |
| Reset                     | Manual or automatic reset COM fault                                                                                      |
| Product compatibility     | I/O base STBXBA1000<br>Power distribution module STBPDT3100/3105                                                         |
| [Us] rated supply voltage | 24 V DC                                                                                                                  |
| Supply                    | Power distribution module                                                                                                |
| Current consumption       | 45 mA 5 V DC logic bus                                                                                                   |
| Marking                   | CE                                                                                                                       |
| Overvoltage category      | II                                                                                                                       |
| Status LED                | 1 LED green module status (RDY)<br>1 LED per channel green channel status (OUT1 to OUT2)<br>1 LED red module error (ERR) |
| Height                    | 13.9 mm                                                                                                                  |
| Depth                     | 70 mm                                                                                                                    |
| Width                     | 128.3 mm                                                                                                                 |
| Product weight            | 0.116 kg                                                                                                                 |

## Environment

|                                       |                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 61131-2                                                                                                                 |
| Product certifications                | CSA<br>FM Class 1 Division 2<br>UL                                                                                             |
| Pollution degree                      | 2 IEC 60664-1                                                                                                                  |
| Operating altitude                    | <= 2000 m                                                                                                                      |
| IP degree of protection               | IP20 EN 61131-2 class 1                                                                                                        |
| Ambient air temperature for operation | 0...60 °C without                                                                                                              |
| Ambient air temperature for operation | 32...140 °F without                                                                                                            |
| Ambient air temperature for storage   | -40...85 °C without                                                                                                            |
| Ambient air temperature for storage   | -40...185 °F without                                                                                                           |
| Relative humidity                     | 95 % 60 °C without condensation                                                                                                |
| Vibration resistance                  | +/-0.35 mm 10...58 Hz<br>3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail<br>5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail |
| Shock resistance                      | 30 gn 11 ms IEC 88 reference 2-27                                                                                              |

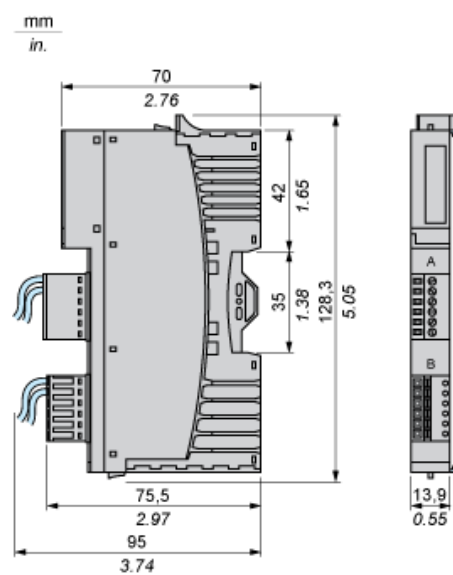
## Offer Sustainability

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0903 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference contains SVHC above the threshold - Go to CaP for more details<br><a href="#">Go to CaP for more details</a>                |
| Product environmental profile    | Available<br><a href="#">Product environmental</a>                                                                                    |
| Product end of life instructions | Available<br><a href="#">End of life manual</a>                                                                                       |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

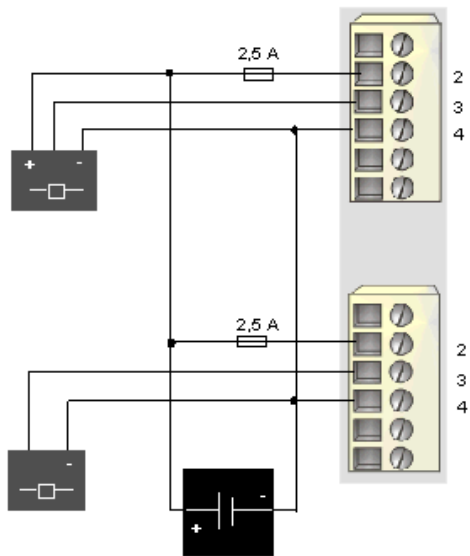
## Dimensions



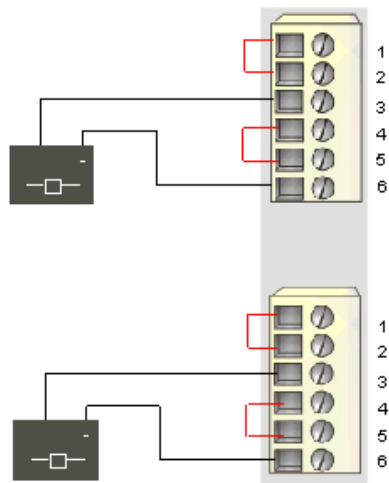
Wiring Diagrams

Examples

1 three-wire actuator and 1 two-wire actuator with external 24 VDC power supply



2 two-wire actuators powered via the PDM



| Pin | Top Connector                      | Bottom Connector                   |
|-----|------------------------------------|------------------------------------|
| 1   | +24 VDC actuator bus power         | +24 VDC actuator bus power         |
| 2   | independent power supply in        | independent power supply in        |
| 3   | output to actuator 1               | output to actuator 2               |
| 4   | independent power supply return    | independent power supply return    |
| 5   | field power return (to the module) | field power return (to the module) |
| 6   | field power return (to the module) | field power return (to the module) |