



Price\* : 128.00 GBP



## Main

|                              |                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------|
| Range of product             | Modicon STB distributed I/O solution                                                   |
| Product or component type    | Basic digital output kit                                                               |
| Kit composition              | STBDDO3705 module<br>STBXBA3000 base<br>STBXTS2180, 18-terminal spring clamp connector |
| Discrete output number       | 16                                                                                     |
| Discrete output type         | Solid state                                                                            |
| Discrete output voltage      | 24 V                                                                                   |
| Discrete output voltage type | DC                                                                                     |

## Complementary

|                                           |                                                                                                                                                |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Discrete output current                   | 500 mA                                                                                                                                         |
| Discrete output logic                     | Positive                                                                                                                                       |
| Output voltage                            | 19.2...30 V DC                                                                                                                                 |
| Absolute maximum voltage                  | 35 V 1.3 ms                                                                                                                                    |
| Response time                             | 2 ms off-to-on<br>2 ms on-to-off                                                                                                               |
| Cold swapping                             | Yes                                                                                                                                            |
| Hot swapping fallback                     | No for basic NIMs                                                                                                                              |
| Protection type                           | Reverse polarity protection<br>Short-circuit protection<br>Thermal overload protection<br>Power protection integrated fuse on PDM time lag 5 A |
| Insulation between channels and logic bus | 1500 V for 1 minute                                                                                                                            |
| Leakage current                           | $\leq 0.4$ mA at state 0 30 V                                                                                                                  |
| Load capacitance                          | $\leq 10$ $\mu$ F                                                                                                                              |
| Load inductance                           | $\leq 1000$ mH 4 Hz                                                                                                                            |
| Reset                                     | Manual reset COM fault                                                                                                                         |
| Product compatibility                     | I/O base STBXBA3000                                                                                                                            |

## Power distribution module STBPDT3100/3105

|                           |                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------|
| [Us] rated supply voltage | 24 V DC                                                                                   |
| Supply                    | Power distribution module                                                                 |
| Current consumption       | 135 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 OUT16) |
| Height                    | 13.9 mm                                                                                   |
| Depth                     | 70 mm                                                                                     |
| Width                     | 128.3 mm                                                                                  |
| Product weight            | 0.086 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                                                                                              |

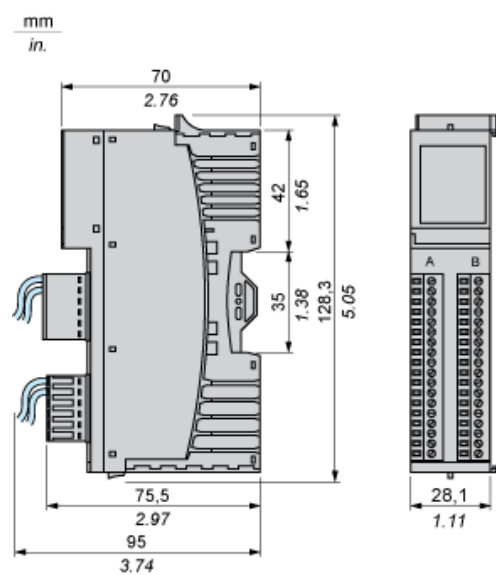
## Offer Sustainability

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0811 - 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 |
|-----------------|-----------|

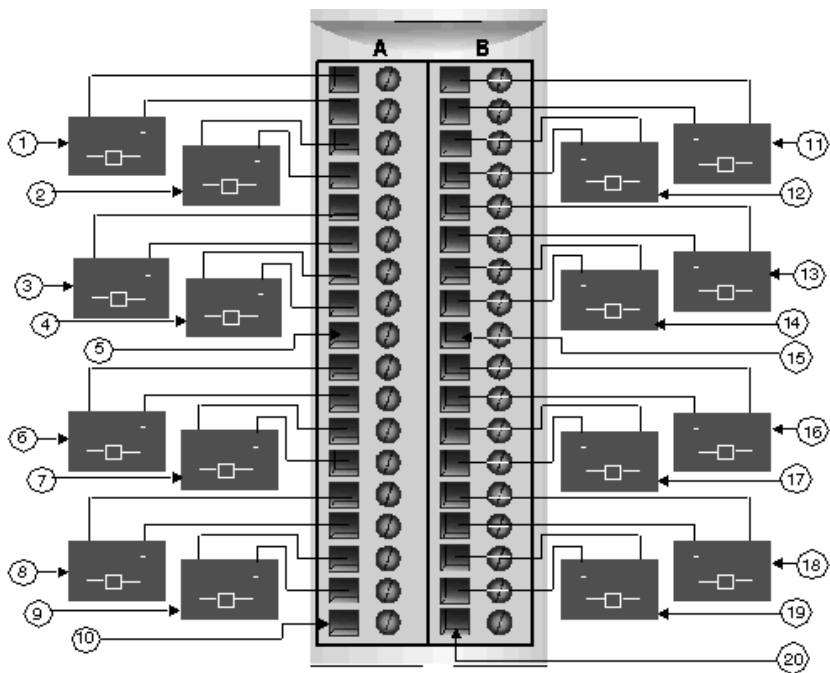
## Dimensions



Wiring Diagram

Example

16 two-wire actuators



| #  | Group 1                          | #  | Group 2                          |
|----|----------------------------------|----|----------------------------------|
| 1  | Channel 1, Connector A, Actuator | 11 | Channel 1, Connector B, Actuator |
| 2  | Channel 2, Connector A, Actuator | 12 | Channel 2, Connector B, Actuator |
| 3  | Channel 3, Connector A, Actuator | 13 | Channel 3, Connector B, Actuator |
| 4  | Channel 4, Connector A, Actuator | 14 | Channel 4, Connector B, Actuator |
| 5  | Pin 9, Connector A (not used)    | 15 | Pin 9, Connector B (not used)    |
| 6  | Channel 5, Connector A, Actuator | 16 | Channel 5, Connector B, Actuator |
| 7  | Channel 6, Connector A, Actuator | 17 | Channel 6, Connector B, Actuator |
| 8  | Channel 7, Connector A, Actuator | 18 | Channel 7, Connector B, Actuator |
| 9  | Channel 8, Connector A, Actuator | 19 | Channel 8, Connector B, Actuator |
| 10 | Pin 18, Connector A (not used)   | 20 | Pin 18, Connector B (not used)   |