

# Product data sheet

Specifications



## basic digital output module STB - 24 V DC - 16 O

STBDDO3705

### Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital output module
Product compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA3000
Range compatibility	Logic/motion controller - Modicon M262 Modicon M580 Third party
Device application	Industrial application
Discrete output number	16
Discrete output logic	Positive logic (source)
Discrete output voltage	24 V DC for solid state

### Complementary

Discrete output number	16 solid state at 24 V DC
Discrete output current	500 mA
Response time on output	< 10 ms maximum (turn on) < 10 ms maximum (turn off)
Maximum leakage current	0.4 mA 30 V DC at state 0
Typical current consumption	135 mA at 5 V DC
Electrical connection	Screw terminal
Hot swapping fallback	No for basic NIMs
Height	13.9 mm
Width	128.3 mm
Depth	70 mm
Net weight	0.086 kg

### Environment

IP degree of protection	IP20
Marking	CE
Product certifications	UL CSA FM Class 1 Division 2
Standards	IEC 61131-2
Relative humidity	95 % at 60 °C without condensation

<b>Operating altitude</b>	<= 2000 m
<b>Pollution degree</b>	2
<b>Shock resistance</b>	30 gn for 11 ms conforming to IEC 88 reference 2-27

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.05 cm
<b>Package 1 Width</b>	6.6 cm
<b>Package 1 Length</b>	12.95 cm
<b>Package 1 Weight</b>	100 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	48
<b>Package 2 Height</b>	15 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	5.322 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	768
<b>Package 3 Height</b>	75.0 cm
<b>Package 3 Width</b>	60.0 cm
<b>Package 3 Length</b>	80.0 cm
<b>Package 3 Weight</b>	95.1 kg

## Contractual warranty

<b>Warranty</b>	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

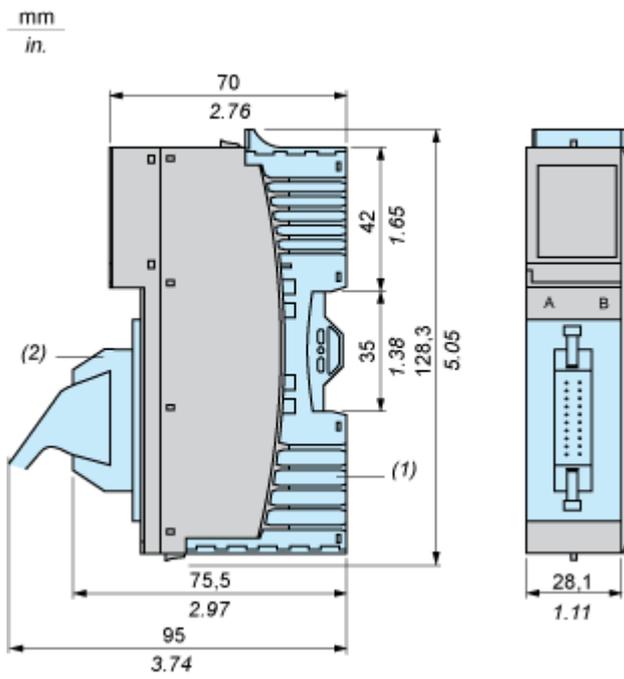
 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Use Again

 <b>Repack and remanufacture</b>	
Take-back	No

Dimensions Drawings

Dimensions



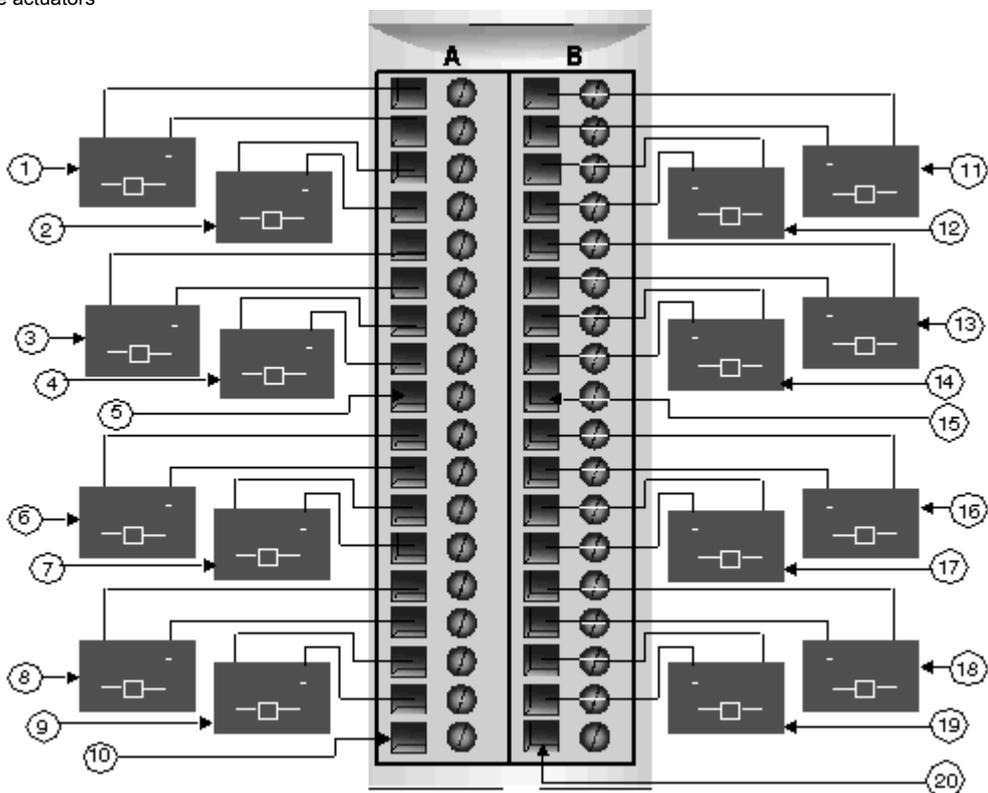
- (1) STBXBA3000 base (to be ordered separately)
- (2) STBXTS5510/5610/6510/6610 connector (to be ordered separately)

Connections and Schema

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)