Product data sheet

Specifications



To be discontinued

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

STBDDO3705

To be discontinued on: Dec 1, 2027

To be end-of-service on: Dec 31, 2035

Product availability: Stock - Normally stocked in distribution facility

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 DCsolid state

Complementary

Output voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Discrete output number	16 solid state at 24 V DC
Discrete output current	500 mA
Response time on output	2 ms off to on 2 ms on to off
Maximum leakage current	0.4 mA 30 V DC at state 0
Output protection type	Power protection integrated fuse on PDM time lag 5 A Reverse polarity protection Short-circuit protection Thermal overload protection
Power supply type	Power distribution module
Typical current consumption	135 mA 5 V DC
Electrical Connection	Screw terminal
Isolation between channels and bus	1500 V for 1 minute
Reset	Manual reset COM fault
Overvoltage category	II
Local signalling	1 LED (green) for module status (RDY) 1 LED per channel (green) for channel status (OUT1 to OUT16)
Height	0.5 in (13.9 mm)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Width	5.05 in (128.3 mm)
Depth	2.8 in (70 mm)
Product Weight	0.190 lb(US) (0.086 kg)

Environment

IP Degree of Protection	IP20
Marking	CE
Product certifications	UL CSA FM Class 1 Division 2
Standards	IEC 61131-2
Ambient air temperature for operation	32…140 °F (0…60 °C) without derating)
Ambient air temperature for storage	-40…185 °F (-40…85 °C) without derating
Relative humidity	95 % 140 °F (60 °C) without condensation
Operating altitude	<= 6561.68 ft (2000 m)
Pollution degree	2
Vibration resistance	3 gn 58…150 Hz) on 35 x 7.5 mm symmetrical DIN rail 5 gn 58…150 Hz) on 35 x 15 mm symmetrical DIN rail +/-0.35 mm 10…58 Hz)
Shock resistance	30 gn 11 msIEC 88 reference 2-27

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
GTIN	3595863843460
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.20 in (3.05 cm)
Package 1 Width	2.6 in (6.6 cm)
Package 1 Length	5.10 in (12.95 cm)
Package weight(Lbs)	3.5 oz (100 g)
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	11.733 lb(US) (5.322 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	768

Package 3 Height	29.5 in (75.0 cm)
Package 3 Width	23.6 in (60.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	209.7 lb(US) (95.1 kg)

Contractual warranty

Warranty (in months)	18

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

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
SCIP Number	**6830dd70-e4bc-47df-85c7-e41f888576f4**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: 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 www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

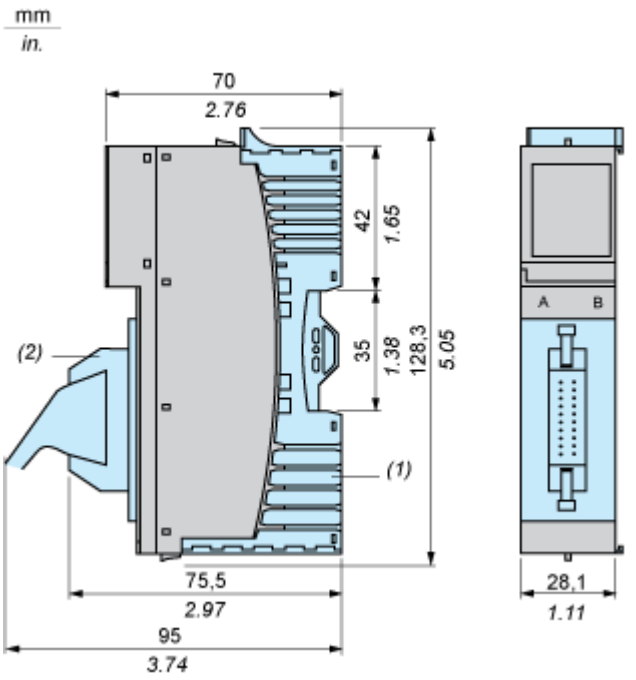
Use Again

Repack and remanufacture

Take-back	**No**

Dimensions Drawings

Dimensions



(1) STBXBA3000 base (to be ordered separately)

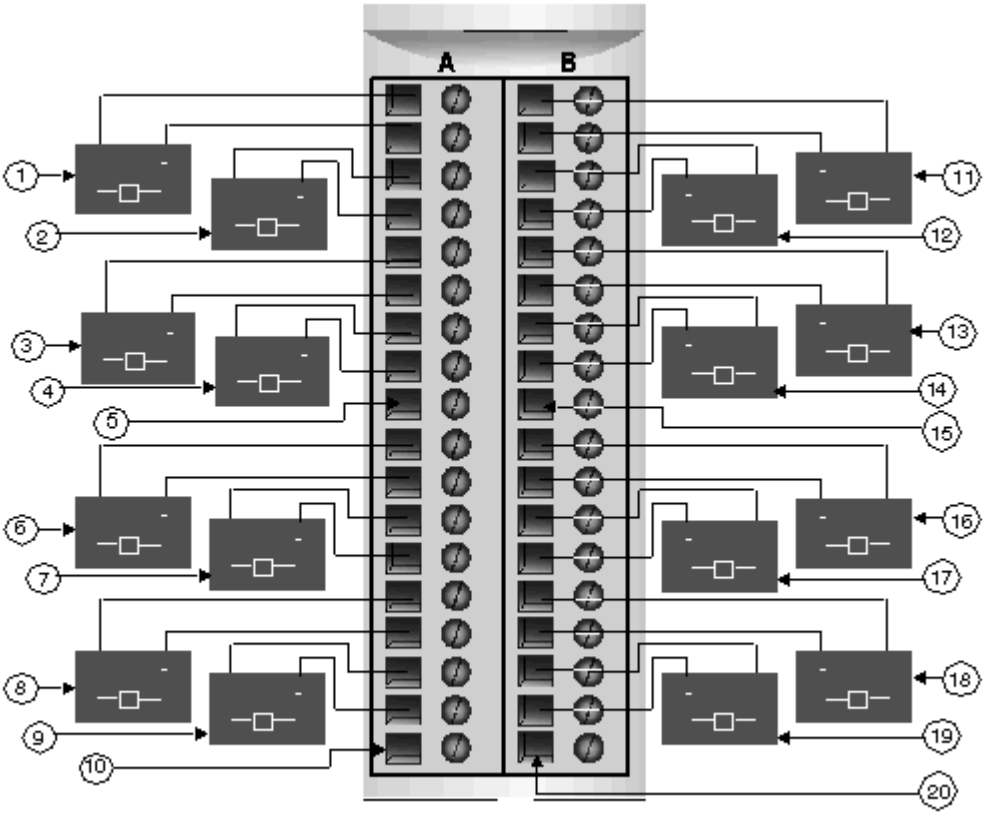
(2) STBXTS5510/5610/6510/6610 connector (to be ordered separately)

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)