

Product data sheet

Specifications



basic digital output kit, Modicon STB, 24V DC, 16O, spring clamp connector

STBDDO3705KC

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 kit
Kit composition	STBXBA3000 base STBXTS2180, 18-terminal spring clamp connector STBDDO3705 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 in severe environment
Discrete output number	16
Discrete output logic	Positive
Discrete output voltage	24 V DCsolid 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 5 V DC
Electrical Connection	Screw terminal
Hot swapping fallback	No for basic NIMs
Height	0.5 in (13.9 mm)
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	FM Class 1 Division 2 CSA UL

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

Standards	IEC 61131-2
Relative humidity	95 % 140 °F (60 °C) without condensation
Operating altitude	<= 6561.68 ft (2000 m)
Pollution degree	2
Shock resistance	30 gn 11 msIEC 88 reference 2-27

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
GTIN	3595863933000
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.38 in (3.500 cm)
Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	5.12 in (13.000 cm)
Package weight(Lbs)	6.878 oz (195.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	9.789 lb(US) (4.440 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	320
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	176.370 lb(US) (80.000 kg)

Contractual warranty

Warranty	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 >](#)

Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	42
Environmental Disclosure	Product Environmental Profile

Use Better

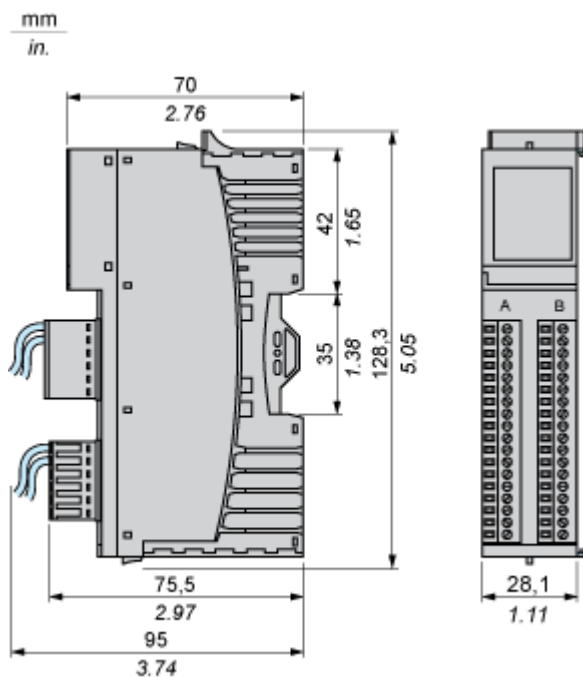
Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
REACH Regulation	REACH Declaration
California proposition 65	WARNING: 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 Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

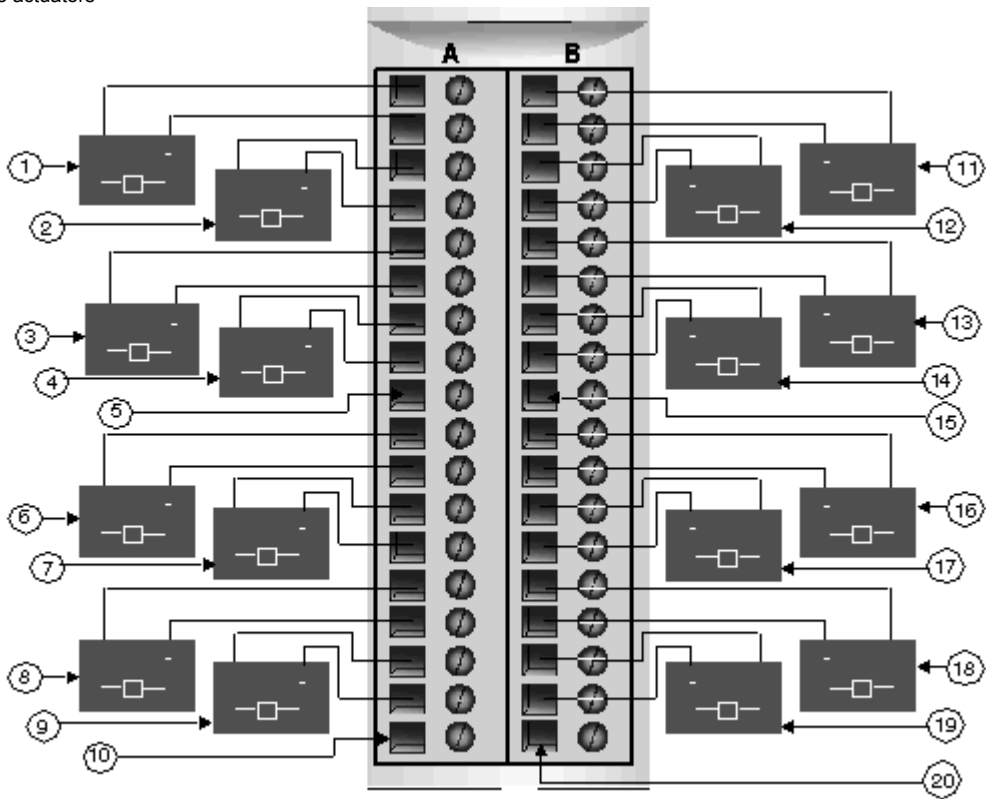


Connections and Schema

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)