



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital output kit
Kit composition	STBDDO3705 module STBXBA3000 base STBXTS1180, 18-terminal screw type 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 2 ms on-to-off
Cold swapping	Yes
Hot swapping fallback	No for basic NIMs
Protection type	Reverse polarity protection Short-circuit protection Thermal overload protection Power protection integrated fuse on PDM time lag 5 A
Insulation between channels and logic bus	1500 V for 1 minute
Leakage current	<= 0.4 mA at state 0 30 V
Load capacitance	<= 10 μ F
Load inductance	<= 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) 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 FM Class 1 Division 2 UL
pollution degree	2 IEC 60664-1
operating altitude	<= 2000 m

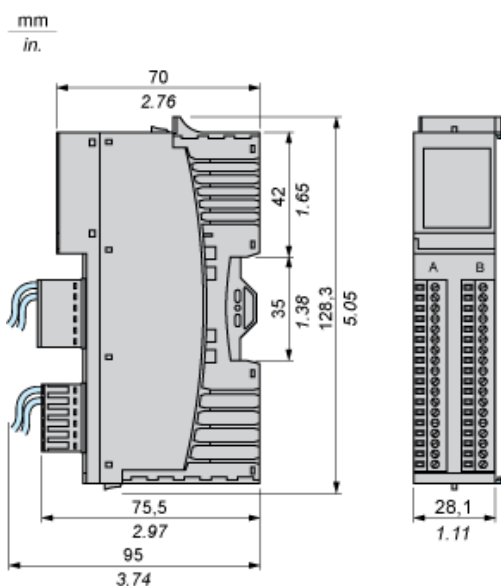
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IP degree of protection	IP20 EN 61131-2 class 1
ambient air temperature for operation	0...60 °C without
ambient air temperature for operation	32...140 °F without
ambient air temperature for storage	-40...85 °C without
ambient air temperature for storage	-40...185 °F without
relative humidity	95 % 60 °C without condensation
vibration resistance	+/-0.35 mm 10...58 Hz 3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail 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
REACH	Reference contains SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

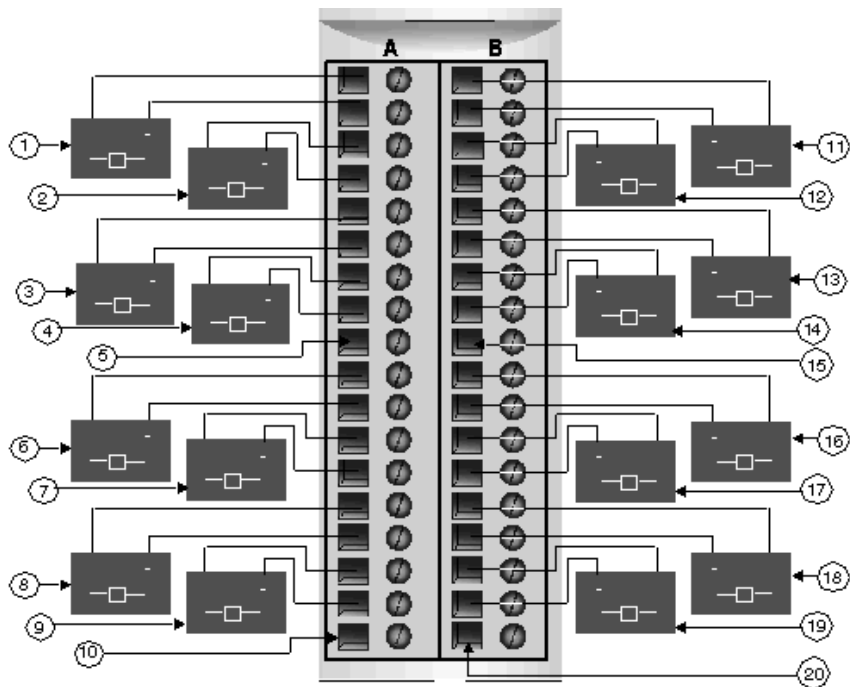
Dimensions



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)