



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard digital output kit
Kit composition	STBXBA1000 base STBXTS2100, 6-terminal spring clamp connector STBXTS1100, 6-terminal screw type connector STBDDO3600 module
Discrete output number	6
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 or negative
Output voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Response time	715 µs off-to-on 955 µs on-to-off
Cold swapping	Yes
Hot swapping	Yes for standard NIMs
Fallback	State 0 basic NIMs User configurable standard NIMs
Protection type	Reverse polarity protection Short-circuit protection Thermal overload protection Power protection integrated fuse on PDM time lag 10 A
Insulation between channels and logic bus	1500 V for 1 minute
Leakage current	<= 0.4 mA at state 0 30 V
Surge current	<= 5 A 0.5 ms
Load capacitance	<= 50 µF

Load inductance	<= 500 mH 4 Hz
Minimum load	0.5 mA
Reset	Manual reset COM fault
Product compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA1000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	90 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 OUT6) 1 LED red module error (ERR)
Height	13.9 mm
Depth	70 mm
Width	128.3 mm
Product weight	0.114 kg

Environment

Standards	EN/IEC 61131-2
Product certifications	FM Class 1 Division 2 CSA 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 derating
Ambient air temperature for operation	32...140 °F without derating
Ambient air temperature for storage	-40...85 °C without derating
Ambient air temperature for storage	-40...185 °F without derating
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

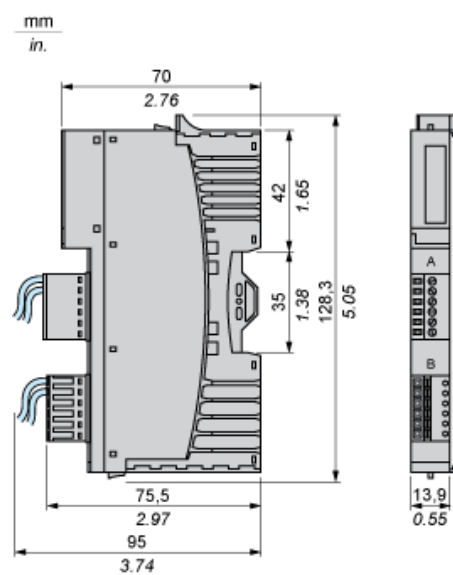
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0936 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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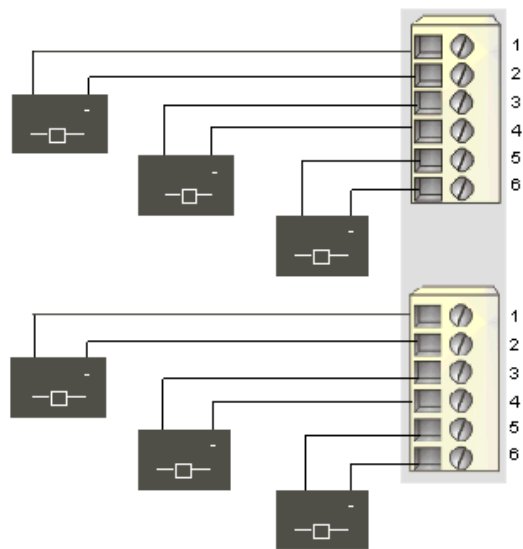
Dimensions



Wiring Diagram

Example

6 two-wire actuators



Pin	Top Connector	Bottom Connector
1	output to actuator 1	output to actuator 4
2	field power return	field power return
3	output to actuator 2	output to actuator 5
4	field power return	field power return
5	output to actuator 3	output to actuator 6
6	field power return	field power return