



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital output kit
Kit composition	STBDDO3415 module STBXBA1000 base STBXTS1100, 6-terminal screw type connector STBXTS2100, 6-terminal spring clamp connector
Discrete output number	4
Discrete output type	Solid state
Discrete output voltage	24 V
Discrete output voltage type	DC

Complementary

Discrete output current	250 mA
Discrete output logic	Positive
Permissible voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Response time	870 µs on-to-off 560 µs off-to-on
Cold swapping	Yes
Hot swapping	No for basic NIMs
Protection type	Power protection integrated fuse on PDM time lag 5 A Thermal overload protection Short-circuit protection Reverse polarity protection
Insulation between channels and logic bus	1500 V for 1 minute
Leakage current	<= 0.4 mA at state 0 30 V
Surge current	<= 2.5 A 0.5 ms
Load capacitance	<= 50 µF
Load inductance	<= 500 mH 4 Hz
Reset	Manual or automatic reset COM fault
Product compatibility	I/O base STBXBA1000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	70 mA 5 V DC logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED per channel green channel status (OUT1 to OUT4) 1 LED green module status (RDY)
Height	13.9 mm
Depth	70 mm
Width	128.3 mm
Product weight	0.11 kg

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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
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	5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail 3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail +/-0.35 mm 10...58 Hz
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0936 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental

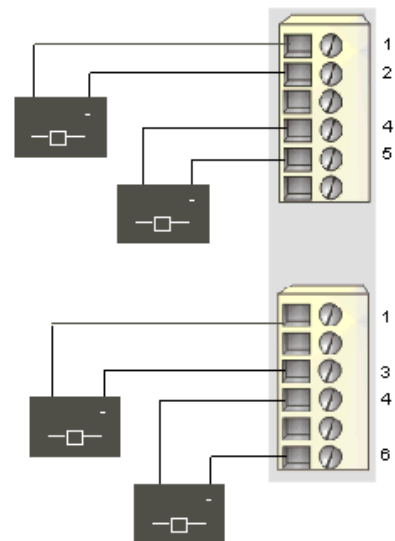
Dimensions



Wiring Diagram

Example

4 two-wire actuators



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