

Product data sheet

Specifications



digital output kit, Modicon STB, standard, 24V DC, 4 O

STBDDO3410K

Main

Range Of Product	Modicon STB distributed I/O solution
Product Or Component Type	Standard digital output kit
Kit Composition	STBXTS1100, 6-terminal screw type connector STBXTS2100, 6-terminal spring clamp connector STBXBA1000 base STBDDO3410 module
Discrete Output Number	4
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	560 µs off-to-on 870 µs on-to-off
Cold Swapping	Yes
Hot Swapping	Yes for standard NIMs
Fallback	State 0 basic NIMs User configurable standard NIMs
Protection Type	Power protection integrated fuse on PDM time lag 10 A Reverse polarity protection Short-circuit protection Thermal overload protection
Insulation Between Channels And Logic Bus	1500 V for 1 minute
Maximum Leakage Current	0.4 mA at state 0 30 V
Surge Current	5 A 0.5 ms
Maximum Load Capacitance	50 µF
Maximum Load Inductance	500 mH at 4 Hz
Minimum Load	0.5 mA
Reset	Manual reset COM fault
Product Compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA1000

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

[Us] Rated Supply Voltage	24 V DC
Supply	Power distribution module
Current Consumption	70 mA at 5 V DC for logic bus
Marking	CE
Overvoltage Category	II
Status Led	1 LED (green) module status (RDY) 1 LED per channel (green) channel status (OUT1 to OUT4) 1 LED (red) module error (ERR)
Height	13.9 mm
Depth	70 mm
Width	128.3 mm
Net Weight	0.11 kg

Environment

Standards	IEC 61131-2
Product Certifications	FM Class 1 Division 2 CSA UL
Pollution Degree	2 conforming to IEC 60664-1
Operating Altitude	<= 2000 m
Ip Degree Of Protection	IP20 conforming to IEC 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 % at 60 °C without condensation
Vibration Resistance	3 gn at 58...150 Hz on 35 x 7.5 mm symmetrical DIN rail 5 gn at 58...150 Hz on 35 x 15 mm symmetrical DIN rail +/-0.35 mm at 10...58 Hz
Shock Resistance	30 gn for 11 ms conforming to IEC 88 reference 2-27

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.7 cm
Package 1 Width	8.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	133.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	28
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Package 2 Weight	4.15 kg
Unit Type Of Package 3	PAL
Number Of Units In Package 3	448
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	448.0 cm
Package 3 Weight	59.584 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

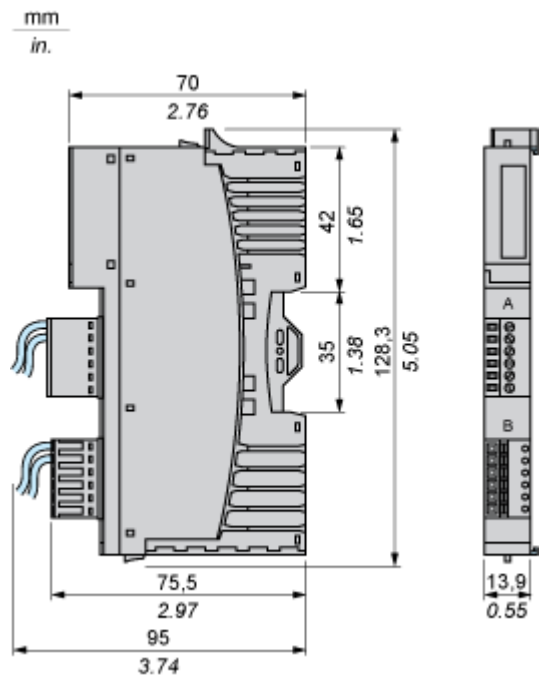
[Guide to assess a product’s sustainability >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

Dimensions Drawings

Dimensions

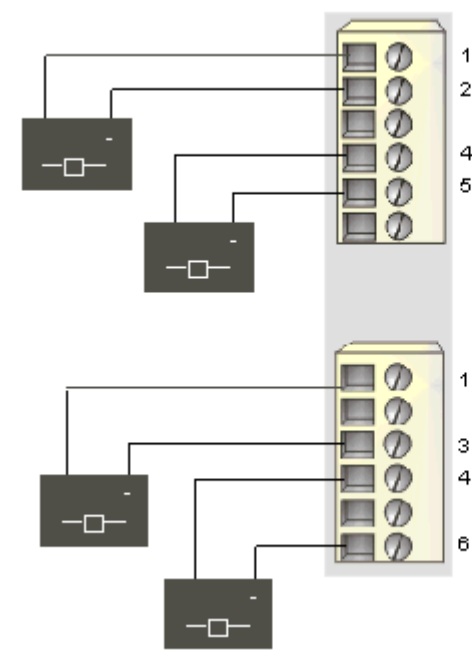


Connections and Schema

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