

# Product data sheet

Specifications



## standard digital output kit STB - 24 V 115..230 V AC DC - 2 O

STBDRC3210K

### Main

**Range of product** Modicon STB distributed I/O solution

**Product or component type** Standard digital output kit

**Kit composition**  
STBXTS2110, 5-terminal spring clamp connector  
STBXTS1100, 5-terminal screw type connector  
STBXBA3000 base  
STBDRC3210 module

**Discrete output number** 2

**Discrete output type** Relay

**Discrete output function** 2 NO/NC

**Discrete output voltage** 24 V  
115...230 V

**Discrete output voltage type** AC  
DC

### Complementary

**Discrete output current** 2000 mA

**Discrete output logic** Positive or negative

**Output voltage** 20...250 V AC  
5...30 V DC

**Response time** 5.25 ms off-to-on  
6.75 ms on-to-off

**Switching capacity in VA** 600 VA resistive

**Mechanical durability** 1000000 cycles

**Electrical durability** 100000 cycles resistive

**Cold swapping** Yes

**Hot swapping** Yes for standard NIMs

**Fallback** State 0 basic NIMs  
User configurable standard NIMs

**Protection type** Coil protection integrated fuse on PDM time lag 10 A  
Output surge protection GMOV

**Insulation between channels** 500 V for 1 minute

**Insulation between channels and logic bus** 1780 V for 1 minute

**Insulation between logic bus and actuator bus** 1500 V for 1 minute

<b>Surge current</b>	20 A 10 ms capacitive
<b>Minimum load</b>	50 mA
<b>Reset</b>	Manual reset COM fault
<b>Product compatibility</b>	I/O base STBXBA2000 Power distribution module STBPDT3100/3105
<b>[Us] rated supply voltage</b>	24 V DC
<b>Supply</b>	Power distribution module
<b>Current consumption</b>	55 mA at 5 V DC for logic bus
<b>Marking</b>	CE
<b>Overvoltage category</b>	II
<b>Status LED</b>	1 LED (green) module status (RDY) 1 LED per channel (green) channel status (OUT1 to OUT2) 1 LED (red) module error (ERR)
<b>Height</b>	18.4 mm
<b>Depth</b>	70 mm
<b>Width</b>	128.3 mm
<b>Net weight</b>	0.13 kg

## Environment

<b>Standards</b>	EN/IEC 61131-2
<b>Product certifications</b>	FM Class 1 Division 2 CSA UL
<b>Pollution degree</b>	2 conforming to IEC 60664-1
<b>Operating altitude</b>	<= 2000 m
<b>IP degree of protection</b>	IP20 conforming to EN 61131-2 class 1
<b>Ambient air temperature for operation</b>	0...60 °C (without derating)  32...140 °F without derating
<b>Ambient air temperature for storage</b>	-40...85 °C without derating  -40...185 °F without derating
<b>Relative humidity</b>	95 % at 60 °C without condensation
<b>Vibration resistance</b>	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
<b>Shock resistance</b>	30 gn for 11 ms conforming to IEC 88 reference 2-27

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2.7 cm
<b>Package 1 Width</b>	7.6 cm
<b>Package 1 Length</b>	13 cm
<b>Package 1 Weight</b>	150 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	28
<b>Package 2 Height</b>	15 cm

<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	4.5 kg

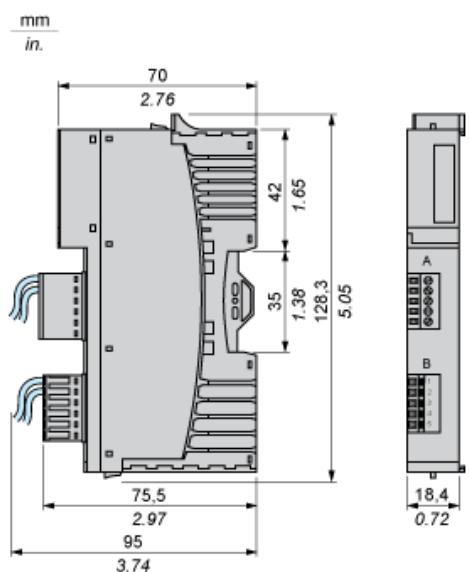
## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	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 <a href="#">www.P65Warnings.ca.gov</a>

## Contractual warranty

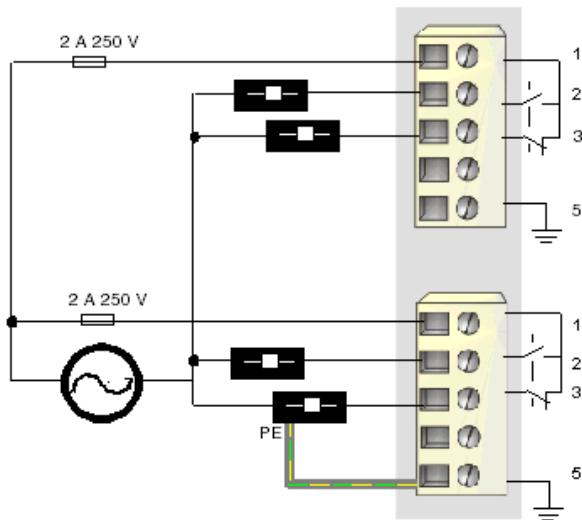
<b>Warranty</b>	18 months
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Dimensions



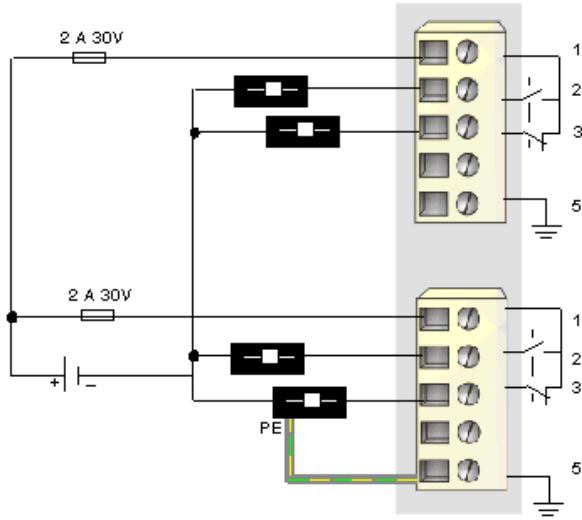
**Wiring Diagrams****Examples**

4 two-wire actuators, external AC power supply



Pin	Top Connector	Bottom Connector
1	relay common 1	relay common 2
2	N.O. connection for relay 1	N.O. connection for relay 2
3	N.C. connection for relay 1	N.C. connection for relay 2
4	no connection	no connection
5	PE	PE

4 two-wire actuators, external DC power supply



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**Recommended replacement(s)**