

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

Local distributor code: 389839170

STBDRC3210K

EAN Code: 3595863949162

## 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 115230 V	
Discrete output voltage type	AC DC	

# Complementary

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Discrete output current	2000 mA
Discrete output logic	Positive or negative
Output voltage	20250 V AC 530 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
Surge current	20 A 10 ms capacitive
Minimum load	50 mA

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

# **Environment**

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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	060 °C (without derating)	
Ambient air temperature for operation	32140 °F without derating	
Ambient air temperature for storage	-4085 °C without derating	
Ambient air temperature for storage	-40185 °F without derating	
Relative humidity	95 % at 60 °C without condensation	
Vibration resistance	3 gn at 58150 Hz on 35 x 7.5 mm symmetrical DIN rail 5 gn at 58150 Hz on 35 x 15 mm symmetrical DIN rail +/-0.35 mm at 1058 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	2.700 cm
Package 1 Width	7.600 cm
Package 1 Length	13.000 cm
Package 1 Weight	150.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	15.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.617 kg

# Logistical informations

Country of origin

# **Contractual warranty**

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	21
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

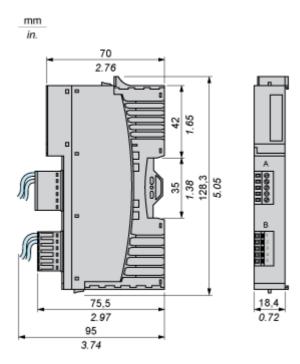
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
REACh Regulation	REACh Declaration

#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

# **Dimensions Drawings**

#### **Dimensions**

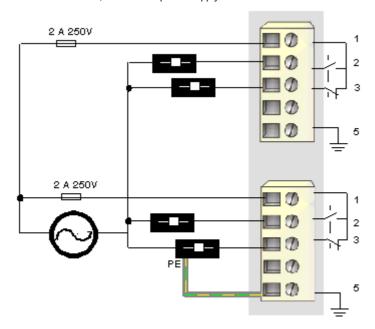


#### Connections and Schema

## Wiring Diagrams

#### **Examples**

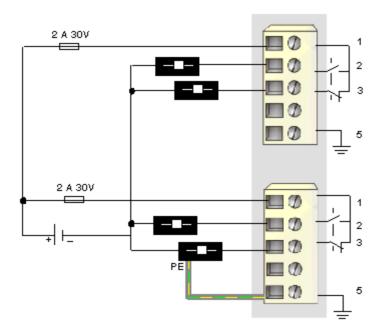
4 two-wire actuators, external AC power supply



Pin	Top Connector	<b>Bottom Connector</b>
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

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