

# Product data sheet

Specifications



## standard digital output kit STB - 24 V DC - 6 O

STBDRA3290K

### Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard digital output kit
Kit composition	STBXTS1100, 5-terminal screw type connector STBXBA2000 base STBXTS2110, 5-terminal spring clamp connector STBDRA3290 module
Discrete output number	2
Discrete output type	Relay
Discrete output function	1 NO + 1 NC
Discrete output voltage	24 V 115...230 V
Discrete output voltage type	AC DC

### Complementary

Discrete output current	7000 mA
Discrete output logic	Positive or negative
Output voltage	20...250 V AC 5...30 V DC
Response time	10 ms off-to-on 10 ms on-to-off
Switching capacity in VA	2100 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 STBXBA3000 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	II
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	28.1 mm
Depth	70 mm
Width	128.3 mm
Net weight	0.13 kg

## Environment

Standards	EN/IEC 61131-2
Product certifications	FM Class 1 Division 2 UL CSA
Pollution degree	2 conforming to IEC 60664-1
Operating altitude	<= 2000 m
IP degree of protection	IP20 conforming to EN 61131-2 class 1
Ambient air temperature for operation	0...60 °C (without derating)  32...140 °F without derating
Ambient air temperature for storage	-40...85 °C without derating  -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	4.0 cm
Package 1 Width	7.5 cm
Package 1 Length	13.0 cm
Package 1 Weight	197.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	15.0 cm

Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.366 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	320
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	320.0 cm
Package 3 Weight	63.04 kg

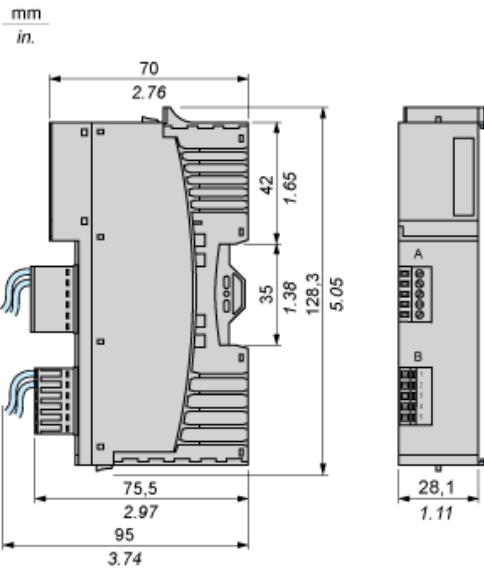
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Contractual warranty

Warranty	18 months
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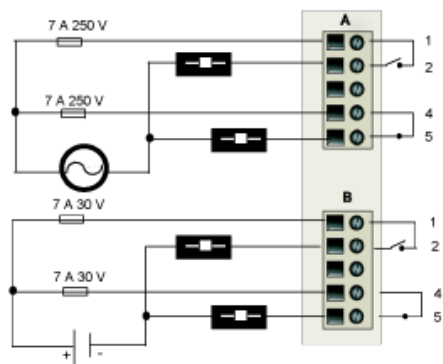
Dimensions



Wiring Diagram

Example

4 two-wire actuators



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

Recommended replacement(s)