

Product data sheet

Specifications



standard digital output kit STB - 24 V DC - 2 O

STBDDO3230K

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon STB distributed I/O solution
Product or Component Type	Standard digital output kit
Kit composition	STBXBA1000 base STBXTS2100, 6-terminal spring clamp connector STBXTS1100, 6-terminal screw type connector STBDDO3230 module
Discrete output number	2
Discrete output type	Solid state
Discrete output voltage	24 V
Discrete output voltage type	DC

Complementary

Discrete output current	2000 mA
Discrete output logic	Positive or negative
Output voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Response Time	520 μ s off-to-on 720 μ s 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 1 external fuse per output time lag 2.5 A Reverse polarity protection Short-circuit protection Thermal overload protection
Insulation between channels	1500 V for 1 minute
Insulation between channels and logic bus	1500 V for 1 minute
Maximum leakage current	1 mA at state 0 30 V
Surge current	10 A 0.5 ms
Maximum load capacitance	50 μ F
Maximum load inductance	500 mH 4 Hz
Minimum load	2 mA
Reset	Manual or automatic reset COM fault

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Product Compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA1000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	45 mA 5 V DC 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	0.5 in (13.9 mm)
Depth	2.8 in (70 mm)
Width	5.05 in (128.3 mm)
Net Weight	0.256 lb(US) (0.116 kg)

Environment

Standards	IEC 61131-2
Product Certifications	FM Class 1 Division 2 CSA UL
Pollution degree	2 IEC 60664-1
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 conforming to IEC 61131-2 class 1
Ambient air temperature for operation	32...140 °F (0...60 °C) (without derating)
Ambient air temperature for operation	32...140 °F without derating
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without derating
Ambient air temperature for storage	-40...185 °F without derating
Relative humidity	95 % 140 °F (60 °C) without condensation
Vibration resistance	3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail 5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail +/-0.35 mm 10...58 Hz
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
GTIN	3595863989304
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.98 in (2.500 cm)

Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	5.12 in (13.000 cm)
Package weight(Lbs)	4.797 oz (136.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	9.090 lb(US) (4.123 kg)

Contractual warranty

Warranty	18 months
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Environmental Data

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 >](#)

Use Better

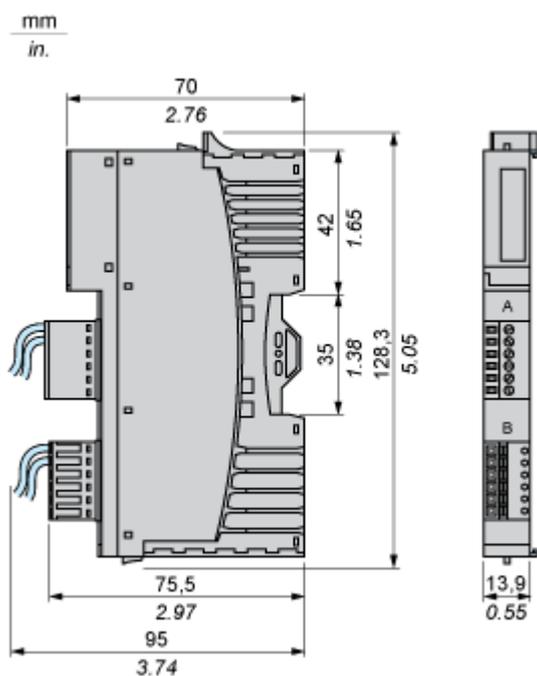
 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
REACH Regulation	REACH Declaration
California proposition 65	WARNING: 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

Use Again

 Repack and remanufacture	
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

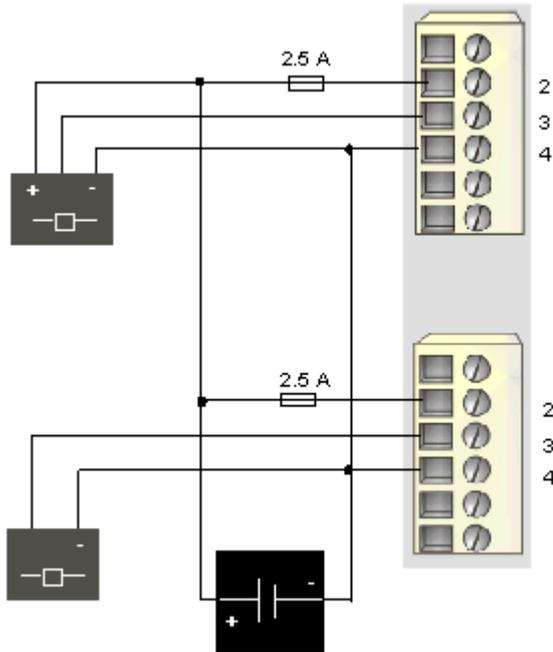


Connections and Schema

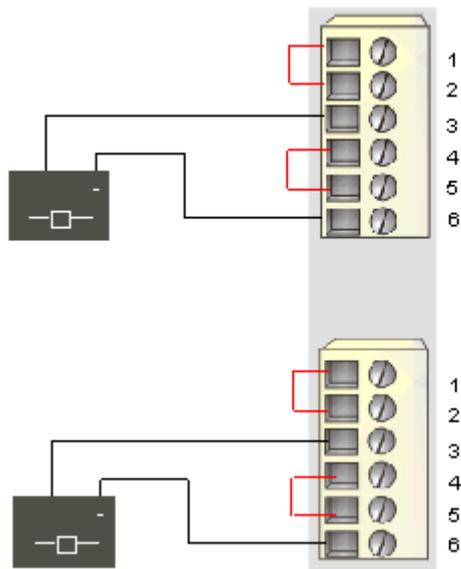
Wiring Diagrams

Examples

1 three-wire actuator and 1 two-wire actuator with external 24 VDC power supply



2 two-wire actuators powered via the PDM



Pin	Top Connector	Bottom Connector
1	+24 VDC actuator bus power	+24 VDC actuator bus power
2	independent power supply in	independent power supply in
3	output to actuator 1	output to actuator 2
4	independent power supply return	independent power supply return

Pin	Top Connector	Bottom Connector
5	field power return (to the module)	field power return (to the module)
6	field power return (to the module)	field power return (to the module)