Product data sheet

Specifications



To be discontinued

standard digital output kit - Modicon STB - 115..230 V AC - 2 O

STBDAO8210K

To be discontinued on: Dec 1, 2027

To be end-of-service on: Dec 31, 2035

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	STBXTS1100, 5-terminal screw type connector STBDAO8210 module STBXTS2110, 5-terminal spring clamp connector STBXBA2000 base
Product Compatibility	I/O base STBXBA2000 Power distribution module STBPDT2100/2105
Range Compatibility	Logic/motion controller - Modicon M262 Modicon M580 Third party
Device Application	Industrial Application
Discrete output number	2
Discrete output logic	Positive logic (source)/negative logic (sink)
Discrete output voltage	115...230 V ACtriac

Complementary

Output voltage	19.2...30 V DC
Absolute maximum voltage	300 V 10 ms 400 V 20 ms
Discrete output number	2 triac at 115...230 V AC
Discrete output current	1000 mA at 60 °C 2000 mA at 30 °C
Response time on output	10 ms off to on 10.5 ms on to off
Maximum leakage current	2 mA 115 V AC at state 0 2.5 mA 230 V AC at state 0
Output protection type	Output surge protection varistance and RC circuit
Power supply type	Power distribution module
Typical current consumption	45 mA 5 V DC
Electrical Connection	Screw terminal
Isolation between channels and bus	1780 Vrms for 1 minute
Fallback status	State 0 basic NIMs User configurable standard NIMs

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

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

Surge current	20 A 40 ms 30 A 20 ms
Minimum load	5 mA
Reset	Manual or automatic reset COM fault
Overvoltage category	II
Local signalling	1 LED (green) for module status (RDY) 1 LED per channel (green) for channel status (OUT1 to OUT2) 1 LED (red) for module error (ERR)
Height	0.7 in (18.4 mm)
Width	5.05 in (128.3 mm)
Depth	2.8 in (70 mm)
Product Weight	0.276 lb(US) (0.125 kg)

Environment

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

Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
GTIN	3595863988925
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.063 in (2.700 cm)
Package 1 Width	3.150 in (8.000 cm)
Package 1 Length	5.118 in (13.000 cm)
Package weight(Lbs)	5.009 oz (142.000 g)
Unit Type of Package 2	S02

Number of Units in Package 2	28
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	9.612 lb(US) (4.360 kg)

Contractual warranty

Warranty (in months)	18

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**
SCIP Number	**6830dd70-e4bc-47df-85c7-e41f888576f4**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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 Longer

Lifetime extension

Repair	**No**

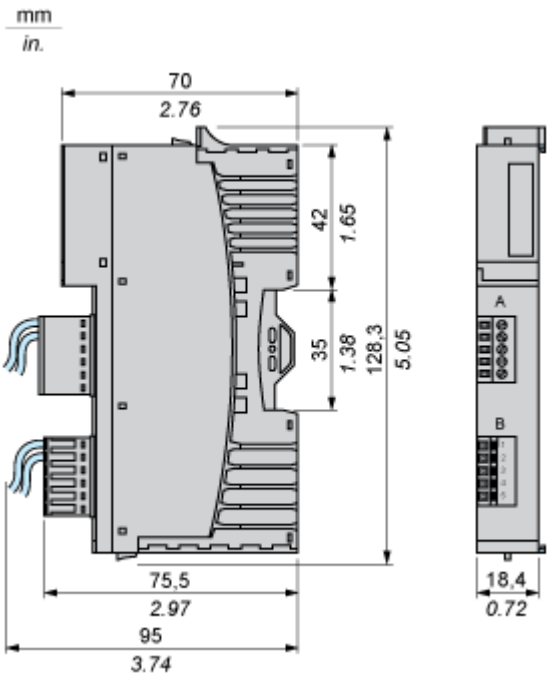
Use Again

Repack and remanufacture

Take-back	**No**

Dimensions Drawings

Dimensions

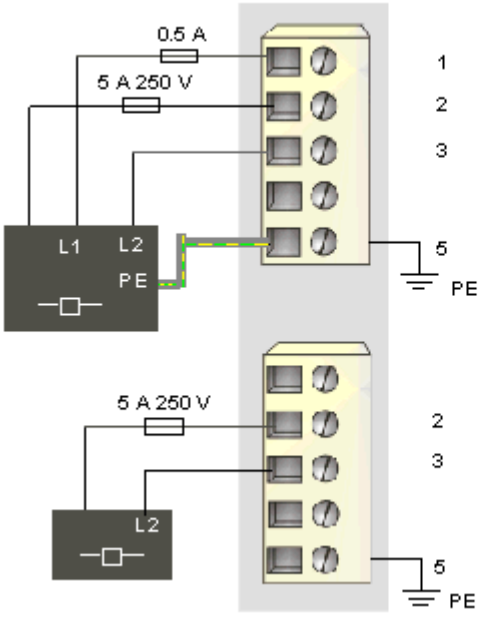


Connections and Schema

Wiring Diagram

Example

1 three-wire actuator and 1 two-wire actuator



Pin	Top Connector	Bottom Connector
1	actuator bus power (L1)	actuator bus power (L1)
2	output to actuator 1 (common with L1)	output to actuator 2 (common with L1)
3	field power neutral or L2	field power neutral or L2
4	field power neutral or L2	field power neutral or L2
5	protective earth	protective earth