Product data sheet

Specifications



To be discontinued

standard digital output kit, Modicon STB, 24V DC, 6 solid state output

STBDDO3600K

To be discontinued on: Dec 1, 2027

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

Product availability: Stock - 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 STBDDO3600 module STBXTS2100, 6-terminal spring clamp connector STBXTS1100, 6-terminal screw type connector
Product Compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA1000
Range Compatibility	Logic/motion controller - Modicon M262 Modicon M580 Third party
Device Application	Industrial Application
Discrete output number	6
Discrete output logic	Positive logic (source)/negative logic (sink)
Discrete output voltage	24 V DCsolid state

Complementary

Output voltage	19.2...30 V DC
Absolute maximum voltage	56 V 1.3 ms
Discrete output number	6 solid state at 24 V DC
Discrete output current	500 mA
Response time on output	715 µs off to on 955 µs on to off
Maximum leakage current	0.4 mA 30 V DC at state 0
Output protection type	Power protection integrated fuse on PDM time lag 10 A Reverse polarity protection Short-circuit protection Thermal overload protection
Power supply type	Power distribution module
Typical current consumption	90 mA 5 V DC
Electrical Connection	Screw terminal
Isolation between channels and bus	1500 V for 1 minute
Fallback status	State 0 basic NIMs User configurable standard NIMs
Surge current	5 A 0.5 ms

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

Minimum load	0.5 mA
Reset	Manual 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 OUT6)
Height	0.5 in (13.9 mm)
Width	5.05 in (128.3 mm)
Depth	2.8 in (70 mm)
Product Weight	0.251 lb(US) (0.114 kg)

Environment

IP Degree of Protection	IP20
Marking	CE
Product certifications	CSA UL FM Class 1 Division 2
Standards	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	3595863949339
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.06 in (2.7 cm)
Package 1 Width	3.1 in (8.0 cm)
Package 1 Length	5.1 in (13.0 cm)
Package weight(Lbs)	4.8 oz (136.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	15.7 in (40 cm)

Package 2 Width	11.8 in (30 cm)
Package 2 Length	5.9 in (15 cm)
Package 2 Weight	9.755 lb(US) (4.425 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 >

Environmental footprint

Total lifecycle Carbon footprint	**28 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**7 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**21 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

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**

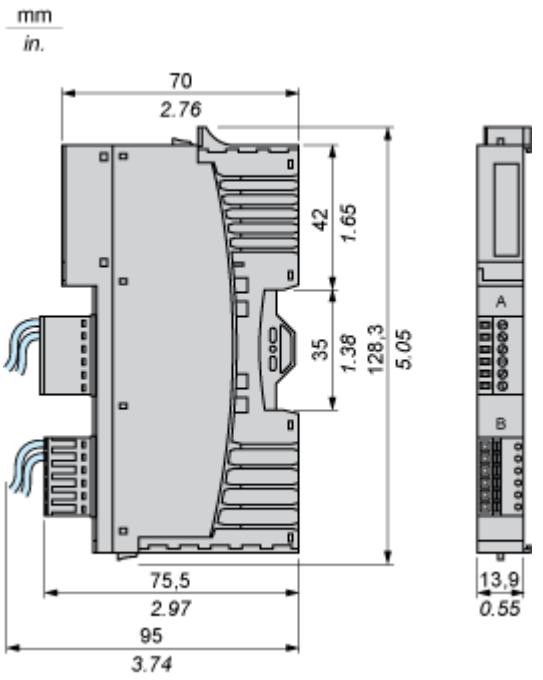
Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	**No**

Dimensions Drawings

Dimensions

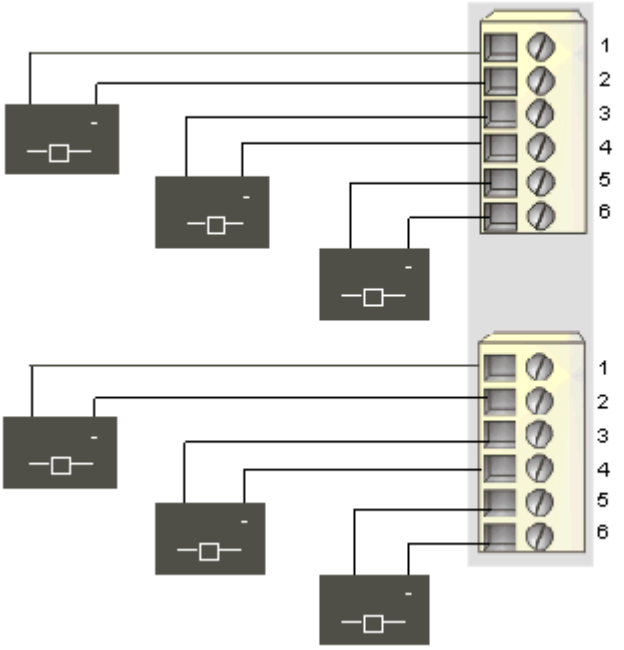


Connections and Schema

Wiring Diagram

Example

6 two-wire actuators



Pin	Top Connector	Bottom Connector
1	output to actuator 1	output to actuator 4
2	field power return	field power return
3	output to actuator 2	output to actuator 5
4	field power return	field power return
5	output to actuator 3	output to actuator 6
6	field power return	field power return