Product datasheet

Specifications



To be discontinued

standard analog input kit STB - 4..20 mA - 4 I - 15 bits + sign

Local distributor code:

389838582 STBACI8320K

To be discontinued on: 1 Dec 2027

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

EAN Code: 3595863948745

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard analog input kit
Kit composition	STBACI8320 module STBXBA2000 base STBXTS1100, 6-terminal screw type connector STBXTS2100, 6-terminal spring clamp connector
Product compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA2000
Analogue input number	4
Type of filter	Single low pass input filter 985 Hz
Analogue output number	0

Complementary

Absolute maximum input	25 mA/50 V
Cold swapping	Yes
Data format	IEC 61131-2 EN 61131-2
Update time	80 ms
Integral linearity	+/- 0.05 %FS
Differential linearity	Monotonic
Maximum supply current for sensors	25 mA per input channels
Absolute accuracy error	+/- 0.4 % of full scale 25 °C
Addressing requirement	8 input words
Supply	Power distribution module
Analogue input type	Current 0...20 mA Current 4...20 mA
Analogue input resolution	15 bits + sign
Input impedance	250 Ohm
Input protection type	Protected against short-circuit
Temperature drift	+/-0.005 %/°C
Typical current consumption	95 mA at 5 V DC for logic bus
Isolation between channels and bus	1780 Vrms for 1 minute
Hot swapping fallback	Yes for standard NIMs

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

Local signalling	1 LED green for module status (RDY) 1 LED red for module error (ERR)
Height	18.4 mm
Width	128.3 mm
Depth	70 mm
Overvoltage category	II

Environment

IP degree of protection	IP20
Marking	CE
Product certifications	CSA C-Tick ATEX Cat 3G FM Class 1 Division 2 UL
Ambient air temperature for operation	-25…70 °C (without derating)
Ambient air temperature for storage	-40…85 °C without derating
Relative humidity	95 % at 60 °C without condensation
Operating altitude	2000 m
Pollution degree	2
Vibration resistance	+/-0.35 mm (f = 10…58 Hz) 3 gn (f = 58…150 Hz) on 35 mm DIN rail 5 gn (f = 58…150 Hz) on 35 mm DIN rail
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	3.0 cm
Package 1 Width	8.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	146.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.599 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	448
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	448.0 cm
Package 3 Weight	65.408 kg

Logistical informations

Country of origin	ID

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**

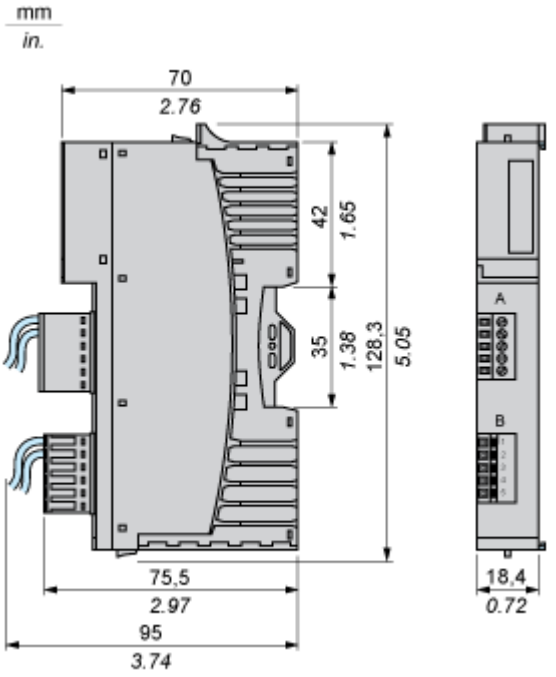
Use Again

Repack and remanufacture

Take-back	**No**

Dimensions Drawings

Dimensions

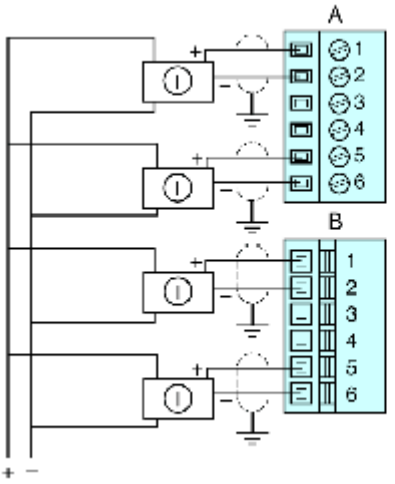


Connections and Schema

Wiring Diagram

Example

4 isolated analog sensors, external 24 VDC power supply



Pin	Top Connections	Bottom Connections
1	current in 1 +	current in 3 +
2	current in 1 -	current in 3 -
3	no connection	no connection
4	no connection	no connection
5	current in 2 +	current in 4 +
6	current in 2 -	current in 4 -