

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard analog input kit
Kit composition	STBAVI1400 module STBXBA1000 base STBXTS1100, 6-terminal screw type connector STBXTS2100, 6-terminal spring clamp connector
Analogue input type	Voltage +/- 10 V Voltage +/- 5 V Voltage 0...10 V Voltage 0...5 V Voltage 1...5 V
Analogue input number	8
Analogue input resolution	15 bits + sign
Type of filter	Single low pass input filter 25 Hz

Complementary

Absolute maximum input	50 V DC
Cold swapping	Yes
Hot swapping fallback	Yes for standard NIMs
Fallback status	State 0 basic NIMs User configurable standard NIMs
Data format	EN 61131-2 IEC 61131-2
Update time	22 ms
Integral linearity	+/- 0.2 %FS
Differential linearity	Monotonic
Input impedance	400 kOhm
Supply current for sensors	100 mA per input channels
Source impedance	<= 1 kOhm
Absolute accuracy error	+/- 0.75 % of full scale 25 °C
Temperature drift	+/-0.01 %/°C
Insulation between channels and logic bus	1500 V for 1 minute
Insulation between channels and sensor bus	30 V
Addressing requirement	2 input words
Product compatibility	Mounting base STBXBA1000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	90 mA 5 V DC logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED green module status (RDY) 1 LED red module error (ERR)

Environment

Product certifications	ATEX Cat 3G CSA C-Tick FM Class 1 Division 2 UL
Pollution degree	2 IEC 60664-1

Operating altitude	<= 2000 m
IP degree of protection	IP20 EN 61131-2 class 1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for operation	- 13...158 °F without
Ambient air temperature for storage	-40...85 °C without
Ambient air temperature for storage	-40...185 °F without
Relative humidity	95 % 60 °C without condensation
Vibration resistance	+/-0.35 mm 10...58 Hz 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
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0904 - Schneider Electric declaration of conformity
Product environmental profile	Available

Contractual warranty

Period	18 months
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