

Product data sheet

Specifications



standard analog input module STB - +/- 10 V - 2 I - 11 bits + sign

STBAVI1270

! Discontinued on: 09 September 2009

! Discontinued

Main

Range of Product	Modicon STB distributed I/O solution
Product or Component Type	Standard analog input module
Analogue input type	Voltage +/- 10 V
Analogue input number	2
Analogue input resolution	11 bits + sign
Type of filter	Single low pass input filter 25 Hz

Complementary

Absolute maximum input	50 V DC
Response Time	5 ms
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	10 ms
Integral linearity	+/- 0.2 %FS
Differential linearity	Monotonic
Input impedance	400000 Ohm
Maximum supply current for sensors	100 mA per input channels
Protection Type	Short-circuit protection
Maximum source impedance	1 kOhm
Absolute accuracy error	+/- 0.5 % 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	4 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	30 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)
Net Weight	0.25 lb(US) (0.115 kg)

Environment

Product Certifications	C-tick UL CSA ATEX Cat 3G FM Class 1 Division 2
Pollution degree	2 IEC 60664-1
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 conforming to EN 61131-2 class 1
Ambient air temperature for operation	32...140 °F (0...60 °C) 32...140 °F without derating
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without derating -40...185 °F without derating
Relative humidity	95 % 140 °F (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

Ordering and shipping details

Category	18215-ADVANTYS STB I/O
Discount Schedule	PC32
GTIN	00785901579298
Returnability	No
Country of origin	FR

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

STBAVI1270 is replaced by:

1x



analog input kit, Modicon STB, standard, +/- 10V, 2 I, 11bits with sign
STBAVI1270K