

# Product data sheet

## Characteristics

# STBDI5230K

## standard digital input kit - Modicon STB - 115 V AC - 2 I



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 input kit
Kit composition	STBXTS2110, 5-terminal spring clamp connector STBXBA2000 base STBXTS1110, 5-terminal screw type connector STBDI5230 module
Discrete input number	2
Discrete input voltage	115 V
Discrete input voltage type	AC

### Complementary

Input voltage limits	0...20 V at state 0 74...132 V at state 1
Permissible voltage	132 V
Absolute maximum voltage	200 V 20 ms
Network Frequency	50/60 Hz
Network frequency limits	47...63 Hz
Current state 0 guaranteed	<= 2 mA
Current state 1 guaranteed	>= 4 mA
Response time	1.5 ms off-to-on 1.5 ms on-to-off
Protection type	Power protection integrated fuse on PDM time lag 10 A Input protection resistor-limited
Insulation between channels and logic bus	1780 V for 1 minute
Cold swapping	Yes
Hot swapping fallback	Yes for standard NIMs
Current supplied by sensor	<= 60 mA per channel
Product Compatibility	I/O base STBXBA2000 Power distribution module STBPDT2100/2105
[Us] rated supply voltage	115/230 V AC
Supply	Power distribution module
Current consumption	40 mA 5 V DC logic bus

Marking	CE
Overvoltage category	II
Status LED	Module status (RDY) 1 LED Green Channel status (IN1 to IN2) 1 LED per channel Green Module error (ERR) 1 LED Red
Depth	2.56 In (65.1 mm)
Height	0.72 In (18.4 mm)
Width	4.92 In (125 mm)
Product Weight	0.26 Lb(US) (0.12 kg)

## Environment

Standards	EN/IEC 61131-2 type 1
Product Certifications	CSA FM Class 1 Division 2 UL
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) without derating
Ambient air temperature for operation	32...140 °F without derating
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without derating
Ambient air temperature for storage	-40...185 °F without derating
Relative humidity	95 % 140 °F (60 °C) without condensation
Vibration resistance	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 +/-0.35 mm 10...58 Hz
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	03595863989427
Nbr. of units in pkg.	1
Package weight(Lbs)	4.90 Oz (139 g)
Returnability	No
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.18 In (3 cm)
Package 1 width	3.15 In (8 cm)
Package 1 Length	5.12 In (13 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes

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China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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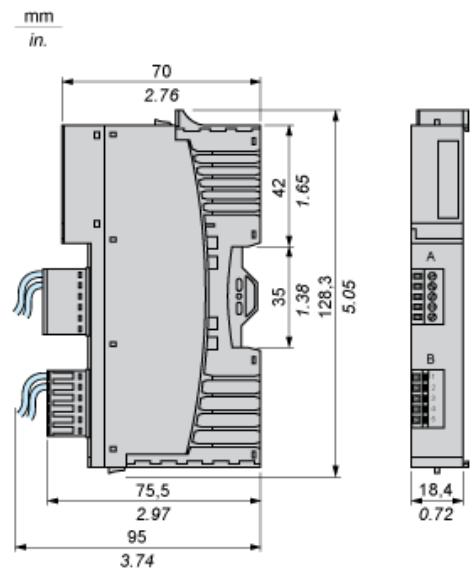
#### Contractual warranty

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Warranty	18 months
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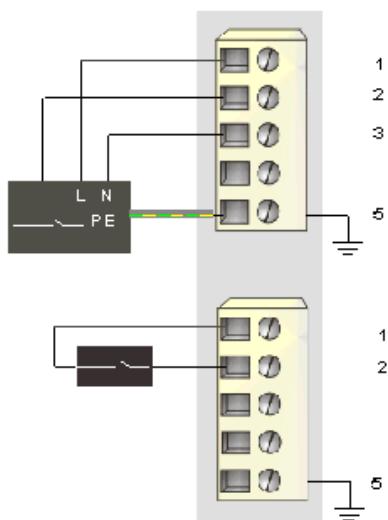
Dimensions



## Wiring Diagram

### Example

1 three-wire sensor and 1two-wire sensor



Pin	Top Connector	Bottom Connector
1	115 VAC sensor bus power (L)	115 VAC sensor bus power (L)
2	input from sensor 1	input from sensor 2
3	field power neutral (to the module)	field power neutral (to the module)
4	field power neutral (to the module)	field power neutral (to the module)
5	protective earth	protective earth

Product Life Status : **Commercialised**