# Product data sheet

Specifications



## standard digital input kit - Modicon STB - 230 V AC - 2 I

STBDAI7220K

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	STBXTS1110, 5-terminal screw type connector STBDAI7220 module STBXTS2110, 5-terminal spring clamp connector STBXBA2000 base	
Discrete Input Number	2	
Discrete Input Voltage	230 V	
Discrete Input Voltage Type	AC	

### Complementary

Input Voltage Limits	040 V at state 0 159256 V at state 1
Acceptable Input Voltage	265 V
Absolute Maximum Voltage	400 V 20 ms
Network Frequency	50/60 Hz
Network Frequency Limits	4763 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	Yes for standard NIMs
Product Compatibility	Power distribution module STBPDT2100/2105 I/O base STBXBA2000
[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

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Status Led	1 LED (Green) module status (RDY) 1 LED per channel (Green) channel status (IN1 to IN2) 1 LED (Red) module error (ERR)	1 LED per channel (Green) channel status (IN1 to IN2)	
Depth	2.56 in (65.1 mm)		
Height	0.72 in (18.4 mm)		
Width	4.92 in (125 mm)		
Net Weight	0.27 lb(US) (0.122 kg)		

## Environment

Standards	EN/IEC 61131-2 type 1	
Product Certifications	CSA UL 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 IEC 61131-2 class 1	
Ambient Air Temperature For Operation	32140 °F (060 °C) without derating)	
Ambient Air Temperature For Operation	32140 °F without derating	
Ambient Air Temperature For Storage	-40185 °F (-4085 °C) without derating	
Ambient Air Temperature For Storage	-40185 °F without derating	
Relative Humidity	95 % 140 °F (60 °C) without condensation	
Vibration Resistance	3 gn 58150 Hz 35 x 7.5 mm symmetrical DIN rail 5 gn 58150 Hz 35 x 15 mm symmetrical DIN rail +/-0.35 mm 1058 Hz	
Shock Resistance	30 gn 11 ms IEC 88 reference 2-27	

# Ordering and shipping details

Category	US1PC3218215
Discount Schedule	PC32
Gtin	3595863991130
Returnability	No
Country Of Origin	US

# **Packing Units**

-	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.06 in (2.7 cm)
Package 1 Width	3.15 in (8.0 cm)
Package 1 Length	5.12 in (13.0 cm)
Package 1 Weight	4.90 oz (139.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	28
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)

Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	9.52 lb(US) (4.318 kg)
Unit Type Of Package 3	PAL
Number Of Units In Package 3	448
Package 3 Height	23.62 in (60.0 cm)
Package 3 Width	31.50 in (80.0 cm)
Package 3 Length	176.38 in (448.0 cm)
Package 3 Weight	137.29 lb(US) (62.272 kg)

# **Contractual warranty**

Warranty

18 months

#### **Sustainability**

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

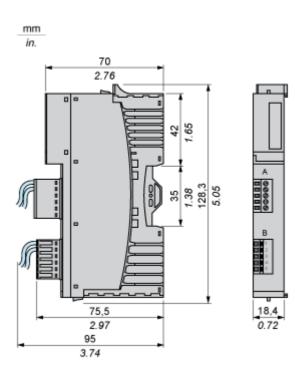
Guide to assess a product's sustainability >

#### Well-being performance

Yes	
REACh Declaration	
Pro-active compliance (Product out of EU RoHS legal scope)	
China RoHS declaration	
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.	
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	

### **Dimensions Drawings**

#### Dimensions



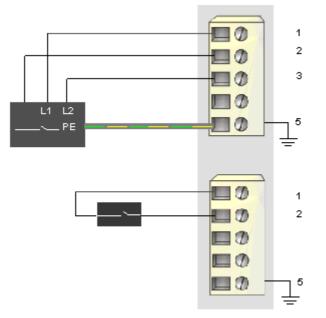
## Product data sheet

#### Connections and Schema

#### Wiring Diagram

#### Example

1 three-wire sensor and 1 two-wire sensor



Pin	Top Connector	Bottom Connector
1	230 VAC sensor bus power (L1)	230 VAC sensor bus power (L1)
2	input from sensor 1	input from sensor 2
3	field power neutral or L2 (to the module)	field power neutral or L2 (to the module)
4	field power neutral or L2 (to the module)	field power neutral or L2 (to the module)
5	protective earth	protective earth