Product datasheet

Specifications

basic digital input kit STB - 24 V DC - 6 I

Local distributor code:

389838993   STBDDI3615K

EAN Code: 3595863949032

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital input kit
Kit composition	STBXTS1100, 6-terminal screw type connector STBDDI3615 module STBXBA1000 base STBXTS2100, 6-terminal spring clamp connector
Discrete input number	6
Discrete input voltage	24 V
Discrete input voltage type	DC

Complementary

Input voltage limits	15...30 V at state 1 -3...5 V at state 0
Permissible voltage	30 V
Absolute maximum voltage	56 V 1.3 ms
Discrete input current	4.5 mA
Current state 0 guaranteed	<= 0.5 mA
Current state 1 guaranteed	>= 2.5 mA
Discrete input logic	Positive
Response time	5.25 ms off-to-on 5.75 ms on-to-off
Protection type	Power protection integrated fuse on PDM time lag 5 A Input protection resistor-limited Reverse polarity protection
Insulation between channels and logic bus	1500 V for 1 minute
Cold swapping	Yes
hot swapping	Yes for basic NIMs
Input filtering	5 ms
Product compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA1000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	45 mA at 5 V DC for logic bus
Marking	CE
Overvoltage category	II

Status LED	1 LED (green) module status (RDY)
	1 LED per channel (green) channel status (IN1 to IN6)
Depth	65.1 mm
Height	18.4 mm
Width	125 mm
Net weight	0.112 kg

Environment

Standards	EN/IEC 61131-2 type 1
Product certifications	UL
	FM Class 1 Division 2
	CSA
Pollution degree	2 conforming to IEC 60664-1
Operating altitude	<= 2000 m
IP degree of protection	IP20 conforming to IEC 61131-2 class 1
Ambient air temperature for operation	0…60 °C (without derating)
Ambient air temperature for operation	32...140 °F without derating
Ambient air temperature for storage	-40…85 °C without derating
Ambient air temperature for storage	-40...185 °F without derating
Relative humidity	95 % at 60 °C without condensation
Vibration resistance	3 gn at 58…150 Hz on 35 x 7.5 mm symmetrical DIN rail
	5 gn at 58…150 Hz on 35 x 15 mm symmetrical DIN rail
	+/-0.35 mm at 10…58 Hz
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	2.700 cm
Package 1 Width	8.000 cm
Package 1 Length	13.000 cm
Package 1 Weight	137.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.067 kg

Logistical informations

Country of origin	FR

Contractual warranty

Warranty	18 months

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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

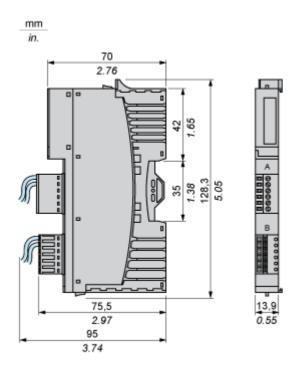|	
Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**6830dd70-e4bc-47df-85c7-e41f888576f4**
REACh Regulation	**REACh Declaration**

Use Again

Repack and remanufacture

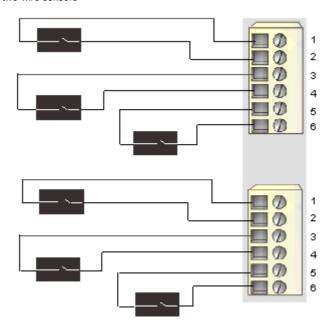|	
Take-back	**No**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

STBDDI3615K

Dimensions Drawings

Dimensions

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Connections and Schema

Wiring Diagram

Example

6 two-wire sensors

Pin	Top Connector	Bottom Connector
1	+24 VDC sensor bus power	+24 VDC sensor bus power
2	input from sensor 1	input from sensor 4
3	+24 VDC sensor bus power	+24 VDC sensor bus power
4	input from sensor 2	input from sensor 5
5	+24 VDC sensor bus power	+24 VDC sensor bus power
6	input from sensor 3	input from sensor 6