

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

Local distributor code:

389838977 STBDDI3610K

EAN Code: 3595863949025

Main

Range of product	Modicon STB distributed I/O solution	
Product or component type	Standard digital input kit	
Kit composition	STBDDI3610 module STBXTS2100, 6-terminal spring clamp connector STBXTS1100, 6-terminal screw type connector STBXBA1000 base	
Discrete input number	6	
Discrete input voltage	24 V	
Discrete input voltage type	DC	

Complementary

Input voltage limits	1530 V at state 1 -35 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 or negative	
Response time	1.21 ms off-to-on 1.74 ms on-to-off	
Protection type	Power protection integrated fuse on PDM time lag 10 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 standard NIMs	
Input filtering	1 ms	
Product compatibility	I/O base STBXBA1000 Power distribution module STBPDT3100/3105	
[Us] rated supply voltage	24 V DC	
Supply	Power distribution module	
Current consumption	55 mA at 5 V DC for logic bus	
Marking	CE	
Overvoltage category	П	

Status LED	1 LED (green) module status (RDY) 1 LED per channel (green) channel status (IN1 to IN6) 1 LED (red) module error (ERR)	
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	FM Class 1 Division 2 UL 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	-2570 °C (without derating)	
Ambient air temperature for operation	32140 °F without derating	
Ambient air temperature for storage	-4085 °C without derating	
Ambient air temperature for storage	-40185 °F without derating	
Relative humidity	95 % at 60 °C without condensation	
Vibration resistance	3 gn at 58150 Hz on 35 x 7.5 mm symmetrical DIN rail 5 gn at 58150 Hz on 35 x 15 mm symmetrical DIN rail +/-0.35 mm at 1058 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	2.7 cm
Package 1 Width	8.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	135.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	28
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.206 kg
Unit Type of Package 3	P06
Number of Units in Package 3	448
Package 3 Height	75.0 cm
Package 3 Width	60.0 cm

Package 3 Length	80.0 cm
Package 3 Weight	78.72 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



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 >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	135
Environmental Disclosure	Product Environmental Profile

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

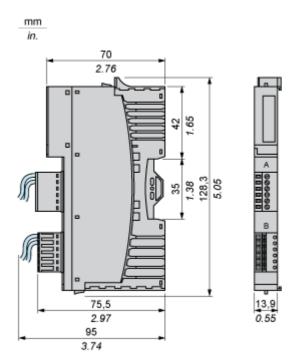
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Product datasheet

STBDDI3610K

Dimensions Drawings

Dimensions



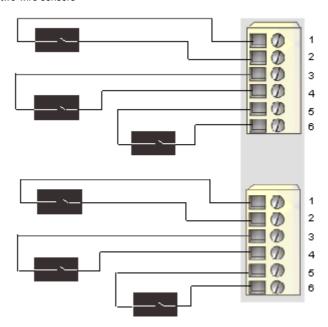
STBDDI3610K

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