

Product datasheet

Specifications



parallel interface kit STB - 12 I CH - 8 O CH

Local distributor code:
389839222

STBEPI2145K

⚠ To be discontinued on: 1 Dec 2027

⚠ To be end-of-service on: 31 Dec 2035

⚠ To be discontinued

EAN Code: 3595863933130

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Parallel interface kit
Product specific application	TeSys Quickfit TeSys U

Complementary

Kit composition	Terminal spring clamp connector STBXBA3000 base Terminal screw type connector STBEPI2145 module
Number of input channels	12
Input voltage	24 V
Input voltage type	DC
Input voltage limits	15...30 V at state 1 -3...5 V at state 0
Current state 0 guaranteed	<= 0.5 mA
Current state 1 guaranteed	>= 2 mA
Number of output channels	8
Output voltage	24 V
Output voltage type	DC
Protection type	Power protection integrated fuse on PDM time lag 10 A Overload protection Short-circuit protection Input protection resistor-limited
Cold swapping	Yes
hot swapping	Yes for standard NIMs
fallback	State 0 basic NIMs User configurable standard NIMs
Electrical connection	4 RJ45 connectors
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Product compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA3000

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Current consumption	<= 100 mA at 24 V DC for sensor bus <= 220 mA at 24 V DC for actuator bus for 150 ms 100 mA at 5 V DC for logic bus 50 mA at 24 V DC for actuator bus (with all 8 outputs at state 0) 80 mA at 24 V DC for actuator bus per output at state 1
Marking	CE
Overvoltage category	II
Status LED	1 LED (green) module status (RDY) 1 LED (red) module error (ERR) 2 LEDs (green) switch position (S1 and S2) 4 LEDs (green) output status
Depth	170 mm
Height	28.1 mm
Width	128.3 mm
Product weight	0.165 kg

Environment

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	-25...70 °C (without derating)
Ambient air temperature for storage	-40...85 °C
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	3.800 cm
Package 1 Width	8.200 cm
Package 1 Length	13.100 cm
Package 1 Weight	162.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.646 kg
Unit Type of Package 3	P06
Number of Units in Package 3	320

Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	69.000 kg

Logistical informations

Country of origin	ID
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Contractual warranty

Warranty (in months)	18
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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	Yes
SCIP Number	6830dd70-e4bc-47df-85c7-e41f888576f4
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No

Dimensions Drawings

Dimensions

