Product data sheet

Specifications



To be discontinued

parallel interface kit, Modicon STB, 12 inputs 8 outputs channel

STBEPI2145K

To be discontinued on: Dec 1, 2027

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

Product availability: Stock - Normally stocked in distribution facility

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

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

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 24 V DC sensor bus <= 220 mA 24 V DC actuator bus for 150 ms 100 mA 5 V DC logic bus 50 mA 24 V DC actuator bus (with all 8 outputs at state 0) 80 mA 24 V DC 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	6.7 in (170 mm)
Height	1.1 in (28.1 mm)
Width	5.05 in (128.3 mm)
Product Weight	0.364 lb(US) (0.165 kg)

Environment

Product Certifications	FM Class 1 Division 2 UL CSA
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	-13…158 °F (-25…70 °C) (without derating)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
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	US1PC3218215
Discount Schedule	PC32
GTIN	3595863933130
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.496 in (3.800 cm)
Package 1 Width	3.228 in (8.200 cm)
Package 1 Length	5.157 in (13.100 cm)
Package weight(Lbs)	5.714 oz (162.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	20

Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	8.038 lb(US) (3.646 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	320
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	152.119 lb(US) (69.000 kg)

Contractual warranty

Warranty (in months)	18

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**
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 www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Take-back	**No**

Dimensions Drawings

Dimensions

