

Product availability : Stock - Normally stocked in distribution facility



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital input kit
Kit composition	STBXBA3000 base STBXTS2180, 18-terminal spring clamp connector STBDDI3725 module
Discrete input number	16
Discrete input voltage	24 V
Discrete input voltage type	DC

Complementary

Input voltage limits	11...30 V at state 1 -3...5 V at state 0
Permissible voltage	30 V
Discrete input current	4.5 mA
Current state 0 guaranteed	<= 1.5 mA
Current state 1 guaranteed	>= 2.5 mA
Discrete input logic	Positive
Response time	2 ms off-to-on 2 ms on-to-off
Protection type	Reverse polarity protection Input protection resistor-limited Power protection integrated fuse on PDM time lag 5 A
Insulation between channels and logic bus	1500 V for 1 minute
Cold swapping	Yes
Hot swapping fallback	Yes for basic NIMs
Product compatibility	Power distribution module STBPDT3100/3105 I/O base STBXBA3000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module

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 5 V DC logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED green module status (RDY) 1 LED per channel green channel status (IN1 to IN16)
Depth	2.56 in (65.1 mm)
Height	0.72 in (18.4 mm)
Width	4.92 in (125 mm)
Product weight	0.19 lb(US) (0.086 kg)

Environment

Standards	EN/IEC 61131-2 type 3
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 EN 61131-2 class 1
Ambient air temperature for operation	-13...158 °F (-25...70 °C) without derating
Ambient air temperature for operation	32...140 °F without
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without
Ambient air temperature for storage	-40...185 °F without
Relative humidity	95 % 140 °F (60 °C) without condensation
Vibration resistance	+/-0.35 mm 10...58 Hz 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
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Ordering and shipping details

Category	18215 - ADVANTYS STB I/O
Discount Schedule	PC32
GTIN	00785901595472
Nbr. of units in pkg.	1
Package weight(Lbs)	0.41999999999999998
Returnability	Y
Country of origin	ID

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0811 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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