

Product availability : Stock - Normally stocked in distribution facility



Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Counter kit
Number of channels	1

Complementary

Kit composition	STBXBA3000 base STBEHC3020 module STBXTS215018 terminal spring clamp connector
Counting input number	2
Counting frequency	≤ 40000 Hz
Counter functions	Down counting Count events Frequency meter Loop (modulo) counting Measure time periods Up/Down counting
Counter configuration	Modicon configuration software
Input compatibility	Mechanical contact With 2-wire/3-wire proximity sensors Incremental encoder 2/3 wire photo-electric sensor
Input voltage	24 V
Input voltage limits	19.2...30 V
Input voltage type	DC
Input current	6 mA
Input logic	Positive
Voltage state 0 guaranteed	-3...5 V
Voltage state 1 guaranteed	11...30 V
Current state 0 guaranteed	≤ 1.5 mA
Current state 1 guaranteed	≥ 2 mA
Filter time	25 μ s analog auxiliary input

	0 ms digital 40000 Hz counting inputs 0.4 ms digital 1000 Hz counting inputs 1.2 ms digital 400 Hz counting inputs 2.5 µs analog counting inputs
Output voltage	24 V
Output voltage limits	19.2...30 V
Output voltage type	DC
Nominal output current	0.5 A
Discrete output logic	Positive or negative configurable
Leakage current	<= 0.1 mA at state 0
Voltage drop	<= 3 V at state 1
Load inductance	<= 500 mH 4 Hz
Protection type	Overload protection current limiter Overload protection electronic tripping manual or automatic reset Short-circuit protection current limiter Short-circuit protection electronic tripping manual or automatic reset
Fallback status	Hold last value configured State 0 for output channels by default State 0 or 1 for each channel configured
Cold swapping	Yes
Hot swapping fallback	Fallback output depending on parameter setting configured mandatory standard network interface module Fallback to 0 basic network interface module Fallback to 0 not configured mandatory standard network interface module
Product compatibility	Power distribution module STBPDT3100/3105 Mounting base STBXBA3000
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	60...100 mA 5 V DC logic bus
Insulation between channels and bus	500 V
Marking	CE
Overvoltage category	II
Status LED	1 LED green EN validation input status (EN) 1 LED green module status (RDY) 1 LED green reset input status (RST) 1 LED per counting input green counting input status (INA, INB) 1 LED per output green output status (OUT1, OUT2) 1 LED red module error (FLT)
Height	1.11 in (28.1 mm)
Depth	2.76 in (70 mm)
Width	5.05 in (128.3 mm)

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 EN 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	+/-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
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Discount Schedule	PC32
GTIN	00785901476313
Nbr. of units in pkg.	1
Package weight(Lbs)	0.35999999999999999
Returnability	N
Country of origin	ID

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0833 - 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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