

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital input kit
Kit composition	STBDDI3725 module STBXBA3000 base STBXTS1180, 18-terminal screw type connector
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
Input current limits	>= 2 mA at state 1 <= 1.5 mA at state 0
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	I/O base STBXBA3000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
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	65.1 mm
Height	18.4 mm
Width	125 mm
Product weight	0.086 kg

Environment

Standards	EN/IEC 61131-2 type 3
Product certifications	CSA FM Class 1 Division 2 UL
Pollution degree	2 IEC 60664-1
Operating altitude	<= 2000 m
IP degree of protection	IP20 EN 61131-2 class 1
Ambient air temperature for operation	-25...70 °C without derating
Ambient air temperature for operation	32...140 °F without
Ambient air temperature for storage	-40...85 °C without
Ambient air temperature for storage	-40...185 °F without

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Relative humidity	95 % 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

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0811 - Schneider Electric declaration of conformity
Product environmental profile	Available

Contractual warranty

Period	18 months
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