Schneider STBDDI3615K Manual

Brand	Schneider
Product Series	Schneider
Product Type	Basic digital input kit

Description

basic digital input kit STB - 24 V DC - 6 I
STBDDI3615K Schneider Electric

Main
Range of product Modicon STB distributed I/O solution
Product or component type Basic digital input kit
Kit composition STBDDI3615 module
STBXBA1000 base
STBXTS1100, 6-terminal screw type connector
STBXTS2100, 6-terminal spring clamp connector
Discrete input number 6
Discrete input voltage 24 V
Discrete input voltage type DC
Complementary
Input voltage limits 15...30 V at state 1
-3...5 V at state 0
Permissible voltage 30 V
Absolute maximum voltage 56 V 1.3 ms
Discrete input current 4.5 mA
Current state 0 guaranteed <= 0.5 mA
Current state 1 guaranteed >= 2.5 mA
Discrete input logic Positive
Response time 5.25 ms off-to-on
5.75 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 Yes for basic NIMs
Input filtering 5 ms
Product compatibility I/O base STBXBA1000
Power distribution module STBPDT3100/3105

[Us] rated supply voltage 24 V DC
Supply Power distribution module
Current consumption 45 mA 5 V DC logic bus

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Marking CE
Overvoltage category II
Status LED 1 LED green module status (RDY)
1 LED per channel green channel status (IN1 to IN6)
Depth 65.1 mm
Height 18.4 mm
Width 125 mm
Product weight 0.112 kg
Environment
Standards EN/IEC 61131-2 type 1
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 0...60 °C without derating
Ambient air temperature for operation 32...140 °F without derating
Ambient air temperature for storage -40...85 °C without derating
Ambient air temperature for storage -40...185 °F without derating
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

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