



Main

Range of product	Advantys STB Distributed I/O Solution
Product or component type	Basic digital output module
Discrete output number	16
Discrete output voltage	24 V
Discrete output voltage type	DC
Discrete output current	500 mA

Complementary

Discrete output type	Solid state
Discrete output logic	Positive
Permissible voltage	19.2...30 V DC
Absolute maximum voltage	35 V for 1.3 ms
Response time	2 ms (off-to-on) 2 ms (on-to-off)
Cold swapping	Yes
Hot swapping	No for basic NIMs
Protection type	Power protection by integrated fuse on PDM (5 A time lag) Reverse polarity protection Short-circuit protection Thermal overload protection
Insulation between channels and logic bus	1500 V for 1 minute
Leakage current	≤ 0.4 mA at state 0 at 30 V
Load capacitance	≤ 10 μF
Load inductance	≤ 1000 mH at 4 Hz
Reset	Manual reset on COM fault
Product compatibility	I/O base STBXBA3000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	135 mA on 5 V DC logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED green , function: module status (RDY) 1 LED per channel green , function: channel status (OUT1 to OUT16)
Product weight	0.086 kg

Environment

Standards	EN/IEC 61131-2
Product certifications	CSA FM Class 1 Division 2 UL
Pollution degree	2 conforming to IEC 60664-1
Operating altitude	≤ 2000 m
IP degree of protection	IP20 conforming to 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 % at 60 °C without condensation
Vibration resistance	3 gn (f = 58...150 Hz) mounted on: 35 x 7.5 mm symmetrical DIN rail 5 gn (f = 58...150 Hz) mounted on: 35 x 15 mm symmetrical DIN rail +/-0.35 mm (f = 10...58 Hz)
Shock resistance	30 gn for 11 ms conforming to IEC 88 reference 2-27
RoHS EUR conformity date	0811
RoHS EUR status	Compliant