



Main

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

Complementary

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| Input voltage limits | -3...5 V at state 0 11...30 V at state 1 |
| Permissible voltage | 30 V |
| Discrete input current | 4.5 mA |
| Input current limits | ≤ 1.5 mA at state 0 ≥ 2 mA at state 1 |
| Discrete input logic | Positive |
| Response time | 2 ms 2 ms |
| Protection type | Input protection by resistor-limited Power protection by integrated fuse on PDM (5 A time lag) Reverse polarity protection |
| Insulation between channels and logic bus | 1500 V for 1 minute |
| Cold swapping | Yes |
| Hot swapping | 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 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 (IN1 to IN16) |
| Product weight | 0.086 kg |

Environment

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| Standards | EN/IEC 61131-2 type 3 |
| 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 | -25...70 °C without derating |
| Ambient air temperature for operation | 32...140 °F without derating |
| Ambient air temperature for storage | -40...85 °C without derating |

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| 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 |