



Main

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| Range of product | Modicon STB distributed I/O solution |
| Product or component type | Standard digital input module |
| Discrete input number | 6 |
| Discrete input voltage | 24 V |
| Discrete input voltage type | DC |

Complementary

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|---|---|
| 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 |
| Input current limits | >= 2 mA at state 1 <= 0.5 mA at state 0 |
| Discrete input logic | Positive or negative |
| Response time | 1.21 ms off-to-on 1.74 ms on-to-off |
| Protection type | Reverse polarity protection Input protection resistor-limited Power protection integrated fuse on PDM time lag 10 A |
| Insulation between channels and logic bus | 1500 V for 1 minute |
| Cold swapping | Yes |
| Hot swapping fallback | Yes for standard NIMs |
| Input filtering | 1 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 | 55 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 IN6) 1 LED red module error (ERR) |
| Depth | 65.1 mm |
| Height | 18.4 mm |
| Width | 125 mm |
| Product weight | 0.112 kg |

Environment

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| 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 |

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| 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 |
| 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

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| Sustainable offer status | Not Green Premium product |
| RoHS | Compliant - since 0936 - Schneider Electric declaration of conformity |
| Product environmental profile | Available |

Contractual warranty

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| Period | 18 months |
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