SDI01

Exact-identity installation and commissioning guide

PRODUCT SCOPE

Toshiba SDI01 is a 32-point digital input module for Integrated Controller V series Model 3000 installations. Each input is specified for 24 V DC at 5 mA.

Verified installation basis

Product family	Integrated Controller V series Model 3000
Module function	Digital input acquisition
Input channels	32
Rated input	24 V DC at 5 mA
Channel insulation	Not insulated between channels
Online replacement	Supported
24 V current	50 mA

Verified related ApterPower product pages

ProSoft PLX31-EIP-MBS

Honeywell FC-QPP-0002 V2.0

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete Toshiba SDI01 marking and installed slot.
- Place the controller and affected field circuits in the approved maintenance state.
- Identify all thirty-two channel assignments before moving any connector or terminal unit.
- Confirm that the connected circuits use the documented 24 V DC input level.
- Preserve the common-channel wiring and installed terminal-unit relationship.
- Inspect connector seating, terminal tightness and field-supply polarity before return to service.

HOLD POINT

Confirm the complete SDI01 marking, V series rack position, terminal unit and 32-channel wiring record before replacement.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

ABB DI811 3BSE008552R1

ABB TU831V1 3BSE013235R1

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete Toshiba SDI01 marking and installed slot.

2 ISOLATE

Place the controller and affected field circuits in the approved maintenance state.

3 RECORD

Identify all thirty-two channel assignments before moving any connector or terminal unit.

4 VERIFY

Confirm that the connected circuits use the documented 24 V DC input level.

5 INSTALL

Preserve the common-channel wiring and installed terminal-unit relationship.

6 RESTORE

Inspect connector seating, terminal tightness and field-supply polarity before return to service.

CONFIGURATION CONTROL

The module uses a shared input group and draws 50 mA from the 24 V supply under the published configuration. Before maintenance, retain the installed rack position, terminal-unit relationship and field-channel map. After the module is seated, verify the RUN and alarm indications and exercise every used input from its field contact to the controller program.

Verified related ApterPower product pages

ABB DSBC174 3BSE012211R1

ABB SR511 3BSE000863R1

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete Toshiba SDI01 marking and installed slot.
Configuration	Inspect connector seating, terminal tightness and field-supply polarity before return to service.
Physical installation	Review RUN and alarm indications after the module is recognized by the station.
Functional acceptance	Exercise every used input and record the controller-image acceptance results.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

- ABB 07DI92
- ABB 07KT92 GJR5250500R0902
- ABB 07KR91 GJR5250000R0101
- ABB 07KP90 GJR5251000R0202

Handover record

Traceable evidence for the installed product

Final acceptance

- Preserve the common-channel wiring and installed terminal-unit relationship.
- Inspect connector seating, terminal tightness and field-supply polarity before return to service.
- Review RUN and alarm indications after the module is recognized by the station.
- Exercise every used input and record the controller-image acceptance results.

Manufacturer evidence used

- Toshiba Integrated Controller V series Model 3000 serial I/O module specifications, SDI01 digital-input entry.
- Toshiba Model 3000 product list, SDI01 32-point 24 V DC input listing.
- Toshiba V series digital-input module operating and replacement characteristics.

Verified related ApterPower product pages

Allen-Bradley 2711P-RN15S

Allen-Bradley 1762-L40BWA

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Additional verified ApterPower product pages

Allen-Bradley 2711P-B15C22D9P

Allen-Bradley 2711P-B7C4D1/A

Allen-Bradley 2711P-RDK10C

Allen-Bradley 2711P-T12C4A8

Fuji Electric 2MBI600VXA-120E-51

Fuji Electric NP1L-TMB