FL SWITCH SF 14TX/2FX 2832593

Exact-identity installation and commissioning guide

PRODUCT SCOPE

Phoenix Contact FL SWITCH SF 14TX/2FX, order number 2832593, is an unmanaged industrial Ethernet switch with fourteen RJ45 copper ports and two SC multimode fiber ports. The switch uses store-and-forward operation for 10/100 Mbps industrial networks.

Verified installation basis

Product role	Unmanaged industrial Ethernet switch
Order number	2832593
Copper ports	14 RJ45 ports
Copper data rate	10/100 Mbps with auto negotiation and auto crossing
Copper segment length	100 m maximum
Fiber ports	2 SC multimode ports
Fiber data rate	100 Mbps full duplex

Verified related ApterPower product pages

ABB DI811 3BSE008552R1

ABB TU831V1 3BSE013235R1

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete FL SWITCH SF 14TX/2FX and 2832593 identity.
- Isolate both redundant 24 V DC supply inputs before wiring changes.
- Verify the multimode fiber type and optical distance for each SC link.
- Inspect RJ45, SC and signaling-contact connectors before installation.
- Keep copper segments within the published 100 m maximum length.
- Mount the switch on the approved DIN rail with cabinet ventilation maintained.

HOLD POINT

Confirm the exact 2832593 order number, the two SC multimode interfaces and the approved 24 V DC supply arrangement before installation.

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 DSBC174 3BSE012211R1

ABB SR511 3BSE000863R1

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete FL SWITCH SF 14TX/2FX and 2832593 identity.

2 ISOLATE

Isolate both redundant 24 V DC supply inputs before wiring changes.

3 RECORD

Verify the multimode fiber type and optical distance for each SC link.

4 VERIFY

Inspect RJ45, SC and signaling-contact connectors before installation.

5 INSTALL

Keep copper segments within the published 100 m maximum length.

6 RESTORE

Mount the switch on the approved DIN rail with cabinet ventilation maintained.

CONFIGURATION CONTROL

Use the full FL SWITCH SF 14TX/2FX and 2832593 identity when planning the cabinet and network. Confirm the multimode fiber type, optical budget, copper segment lengths, redundant supply wiring and signaling contact before commissioning. After connection, verify port speed, link/activity indications and end-to-end communication for every affected segment.

Verified related ApterPower product pages

Allen-Bradley 2711P-RN15S

Allen-Bradley 1762-L40BWA

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete FL SWITCH SF 14TX/2FX and 2832593 identity.
Configuration	Mount the switch on the approved DIN rail with cabinet ventilation maintained.
Physical installation	Restore both supplies and confirm US1/US2 plus link, activity and speed LEDs.
Functional acceptance	Test every affected Ethernet path and record the final port map before release.
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

- Allen-Bradley 2711P-B15C22D9P
- Fuji Electric 2MBI600VXA-120E-51
- Fuji Electric NP1L-TMB
- ABB 07KR91 GJR5250000R0101

Handover record

Traceable evidence for the installed product

Final acceptance

- Keep copper segments within the published 100 m maximum length.
- Mount the switch on the approved DIN rail with cabinet ventilation maintained.
- Restore both supplies and confirm US1/US2 plus link, activity and speed LEDs.
- Test every affected Ethernet path and record the final port map before release.

Manufacturer evidence used

- Phoenix Contact exact product record for FL SWITCH SF 14TX/2FX, order number 2832593.
- Phoenix Contact technical data for copper, multimode fiber and supply interfaces.
- Phoenix Contact environmental and mounting specifications for the unmanaged switch.

Verified related ApterPower product pages

ABB 07DI92

ABB 07KT92 GJR5250500R0902

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Additional verified ApterPower product pages

ABB 07KP90 GJR5251000R0202

ABB 07EB62R1 GJV3074342R1

ABB 07KP60R101 GJV3074360R101

ABB 07NG61R1 GJV3074311R1

ABB 07PS62R2 GJV3074332R2

Allen-Bradley 2711P-RDT12H