

TU830V1

S800 I/O extended module termination unit

CONTROLLED ENGINEERING COPY

Verify TU830V1 and article number 3BSE013234R1, paired S800 I/O module, terminal torque, conductor size, fuse grouping and every channel identity before removal; after installation, test insulation, continuity and assigned I/O response.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	TU830V1
Manufacturer part	TU830V1
Hardware type	3BSE013234R1
System family	ABB Advant OCS and S800 I/O termination
HS code	8537101190



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete TU830V1 marking and its assigned ABB Advant OCS and S800 I/O termination position before work.
- 2

Place the connected s800 i/o cabinet termination process in the approved maintenance state.
- 3

Isolate applicable power and sixteen-channel s800 i/o field termination and power distribution field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- ABB S800 I/O module
- ModuleBus base arrangement
- field signal and power conductors
- channel fuse-group distribution

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	TU830V1 / TU830V1 recorded
Physical interface	ABB S800 I/O module
Companion check	ModuleBus base arrangement
Functional proof	Terminates sixteen S800 I/O channels
Application test	S800 I/O cabinet termination

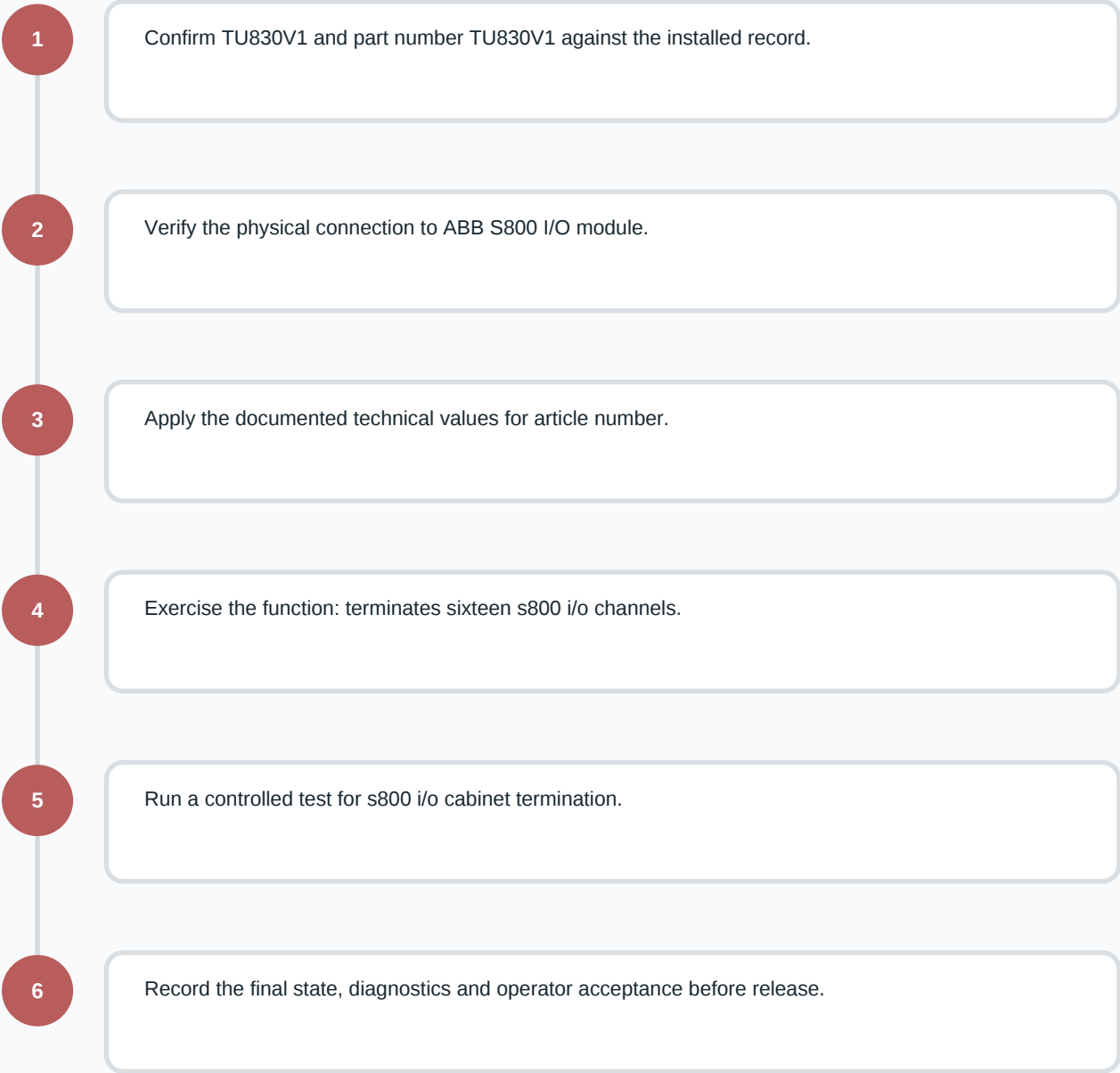
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	3BSE013234R1
Type designation	TU830V1
Terminal block type	Extended MTU
Channels	16
Rated voltage	50 V
Process connections	56
I/O arrangement	Single I/O
Maximum current per channel	2 A
Maximum process-connection current	5 A
Solid conductor	0.2 to 4 mm ²
Stranded conductor	0.2 to 2.5 mm ² ; 24 to 12 AWG
Terminal torque	0.5 to 0.6 Nm
Strip length	7 mm
Dielectric test	500 V AC

FIELD NOTE

Verify TU830V1 and article number 3BSE013234R1, paired S800 I/O module, terminal torque, conductor size, fuse grouping and every channel identity before removal; after installation, test insulation, continuity and assigned I/O response.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	TU830V1 / TU830V1 recorded
Physical interface	ABB S800 I/O module
Companion check	ModuleBus base arrangement
Functional proof	Terminates sixteen S800 I/O channels
Application test	S800 I/O cabinet termination

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed ABB S800 I/O module and ModuleBus base arrangement against the approved project.

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VERIFICATION RECORD

PRODUCT IDENTITY	TU830V1
INSTALLED POSITION	Documented ABB Advant OCS and S800 I/O termination position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
GE 750-P5-G5-HI-A1-R-E	Related industrial automation product	View GE 750-P5-G5-HI-A1-R-E page
Allen-Bradley 1794-OE4XT	Related industrial automation product	View Allen-Bradley 1794-OE4XT page
Siemens 6SL3120-2TE21-8AD0	Related industrial automation product	View Siemens 6SL3120-2TE21-8AD0 page
Siemens 6SE7041-8EK85-0LA0	Related industrial automation product	View Siemens 6SE7041-8EK85-0LA0 page
Siemens 6SE7035-1EJ84-1JC2	Related industrial automation product	View Siemens 6SE7035-1EJ84-1JC2 page
ABB DSQC332	Related industrial automation product	View ABB DSQC332 page
Allen-Bradley 1794-IE4XOE2	Related industrial automation product	View Allen-Bradley 1794-IE4XOE2 page
Siemens 6SE7090-0XX84-1CE0	Related industrial automation product	View Siemens 6SE7090-0XX84-1CE0 page

SOURCE IDENTIFIERS

ABB Compact Product Suite hardware selector and TU830V1 technical data
TU830V1 / 3BSE013234R1

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