TU835V1 3BSE013236R1

TU835V1 extended module termination unit

Eight fused field-power outlets and eight signal terminations

PRODUCT SNAPSHOT

BRAND
ABB

FAMILY
ABB Advant OCS and S800 I/O termination

PART
TU835V1 3BSE013236R1

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PRODUCT OVERVIEW

Eight fused field-power outlets and eight signal terminations

1. Provides eight fused power outlets
2. Provides eight signal terminals
3. Uses a fifty-volt isolation rating
4. Supports compact S800 I/O field termination

SYSTEM COMPONENTS

- compatible ABB S800 I/O module
- ModuleBus arrangement
- field power conductors
- signal terminal wiring

TECHNICAL NOTE

Verify TU835V1 and article number 3BSE013236R1, isolate every field-power feed, label all eight signal and fused-power conductors, and test the paired S800 I/O channels after installation.

TECHNICAL DATA

PARAMETER	VALUE
Article number	3BSE013236R1
Type designation	TU835V1
Rated isolation voltage	50 V

PARAMETER	VALUE
Fused power outlets	8
Signal terminals	8

ENGINEERING NOTE

Verify TU835V1 and article number 3BSE013236R1, isolate every field-power feed, label all eight signal and fused-power conductors, and test the paired S800 I/O channels after installation.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
ABB PFSK130-3BSE002616R1	Related industrial automation product	**View ABB PFSK130-3BSE002616R1 page**
ABB CI854BK01	Related industrial automation product	**View ABB CI854BK01 page**
ABB BP03-7760052242	Related industrial automation product	**View ABB BP03-7760052242 page**
ABB UT4642A-EIA302398R121	Related industrial automation product	**View ABB UT4642A-EIA302398R121 page**
Emerson KJ3002X1-BG2-12P1731X062	Related industrial automation product	**View Emerson KJ3002X1-BG2-12P1731X062 page**
Emerson KJ3002X1-BB1-12P0683X082	Related industrial automation product	**View Emerson KJ3002X1-BB1-12P0683X082 page**
Emerson KJ3001X1-BB1-12P0550X142	Related industrial automation product	**View Emerson KJ3001X1-BB1-12P0550X142 page**
Emerson PR6423-00R-101-CON031	Related industrial automation product	**View Emerson PR6423-00R-101-CON031 page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

S800 I/O field termination

Provides eight fused power outlets

Fused channel-power distribution

Provides eight signal terminals

Control-cabinet wiring organization

Uses a fifty-volt isolation rating

Termination-unit replacement

Supports compact S800 I/O field termination

PRODUCT PRECAUTIONS

1. Verify the complete TU835V1 3BSE013236R1 marking and its assigned ABB Advant OCS and S800 I/O termination position before work.
2. Place the connected s800 i/o field termination process in the approved maintenance state.
3. Isolate applicable power and eight fused field-power outlets and eight signal terminations 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.
6. Confirm the installed compatible ABB S800 I/O module and ModuleBus arrangement against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended fused channel-power distribution function and retain the final test result.

ENGINEER FAQ

Q1 Does TU835V1 3BSE013236R1 match compatible ABB S800 I/O module in a S800 I/O field termination installation?

Verify the complete TU835V1 3BSE013236R1 marking, the documented ABB Advant OCS and S800 I/O termination position and the installed compatible ABB S800 I/O module before fitting the assembly.

Q2 How should TU835V1 3BSE013236R1 be wired when it must provides eight fused power outlets?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for TU835V1 3BSE013236R1; then continuity-test the affected path.

Q3 Which ABB Advant OCS and S800 I/O termination records should be captured before removing TU835V1 3BSE013236R1?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with TU835V1 3BSE013236R1 before disconnection.

Q4 What controlled test confirms that TU835V1 3BSE013236R1 can provides eight signal terminals?

Apply the approved field or simulated stimulus, observe the ABB Advant OCS and S800 I/O termination indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which ModuleBus arrangement condition should be checked when TU835V1 3BSE013236R1 reports an abnormal state?

Check the ModuleBus arrangement supply, seating and connection first, then compare channel diagnostics with the recorded TU835V1 3BSE013236R1 baseline.

Q6 Can TU835V1 3BSE013236R1 be moved directly into Fused channel-power distribution without validating signal terminal wiring?

No. Confirm the signal terminal wiring, revision, connection scheme and ABB Advant OCS and S800 I/O termination configuration before transferring TU835V1 3BSE013236R1 to that duty.

Q7 What maintenance evidence is required after TU835V1 3BSE013236R1 is used for Control-cabinet wiring organization?

Retain the nameplate record, corrective action, final diagnostics and a controlled control-cabinet wiring organization functional-test result for TU835V1 3BSE013236R1.

Q8 How should TU835V1 3BSE013236R1 be returned to service in Termination-unit replacement?

Restore power under control, verify uses a fifty-volt isolation rating, exercise the intended signal path and release TU835V1 3BSE013236R1 only after the ABB Advant OCS and S800 I/O termination remains in its approved operating state.

SOURCE ABB Freelance and S800 I/O Product Catalog | 3BDD015188

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