

# APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

## TU835V1 3BSE013236R1

### TU835V1 extended module termination unit

CONTROLLED ENGINEERING COPY

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.

| INSTALLATION IDENTITY | REQUIRED VALUE                          |
|-----------------------|-----------------------------------------|
| Complete model        | TU835V1 3BSE013236R1                    |
| Manufacturer part     | TU835V1 3BSE013236R1                    |
| Hardware type         | 3BSE013236R1                            |
| System family         | ABB Advant OCS and S800 I/O termination |
| HS code               | 8537101190                              |



#### APTER POWER SALES TEAM

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# 01 PRE-INSTALLATION PLAN

- 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.

## MATCHED HARDWARE

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

## INSTALLATION CONTROL RECORD

| CONTROL ITEM       | REQUIRED RECORD                                      |
|--------------------|------------------------------------------------------|
| Identity           | TU835V1 3BSE013236R1 / TU835V1 3BSE013236R1 recorded |
| Physical interface | compatible ABB S800 I/O module                       |
| Companion check    | ModuleBus arrangement                                |
| Functional proof   | Provides eight fused power outlets                   |
| Application test   | S800 I/O field termination                           |

## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM              | REQUIRED VALUE |
|-------------------------|----------------|
| Article number          | 3BSE013236R1   |
| Type designation        | TU835V1        |
| Rated isolation voltage | 50 V           |
| Fused power outlets     | 8              |
| Signal terminals        | 8              |

### SYSTEM CONNECTION RECORD

| CONNECTION ITEM            | DOCUMENTED ASSIGNMENT              |
|----------------------------|------------------------------------|
| Installed host / carrier   | compatible ABB S800 I/O module     |
| Companion hardware         | ModuleBus arrangement              |
| Field connection           | field power conductors             |
| Primary system function    | Provides eight fused power outlets |
| Controlled acceptance duty | S800 I/O field termination         |

#### FIELD 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.

### 03 COMMISSIONING WORKFLOW



#### COMMISSIONING ACCEPTANCE EVIDENCE

| EVIDENCE ITEM      | ACCEPTANCE CONDITION                                 |
|--------------------|------------------------------------------------------|
| Identity           | TU835V1 3BSE013236R1 / TU835V1 3BSE013236R1 recorded |
| Physical interface | compatible ABB S800 I/O module                       |
| Companion check    | ModuleBus arrangement                                |
| Functional proof   | Provides eight fused power outlets                   |
| Application test   | S800 I/O field termination                           |

## 04 RETURN-TO-SERVICE RECORD

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

☐☐☐

### VERIFICATION RECORD

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| PRODUCT IDENTITY    | TU835V1 3BSE013236R1                                        |
| 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                                            |
|------------------------------------|---------------------------------------|-------------------------------------------------------------|
| ABB 07KP90-GJR5251000R0202-1 25097 | Related industrial automation product | <a href="#">View ABB 07KP90-GJR5251000R0202-125097 page</a> |
| ABB 07KP60R101-GJV3074360R1 01     | Related industrial automation product | <a href="#">View ABB 07KP60R101-GJV3074360R101 page</a>     |
| ABB 07EB62R1-GJV3074342R1          | Related industrial automation product | <a href="#">View ABB 07EB62R1-GJV3074342R1 page</a>         |
| GE IS200TRLYH1BED                  | Related industrial automation product | <a href="#">View GE IS200TRLYH1BED page</a>                 |
| Honeywell CC-TSP411-51306669-175   | Related industrial automation product | <a href="#">View Honeywell CC-TSP411-51306669-175 page</a>  |
| Expo ETM-IS51-113                  | Related industrial automation product | <a href="#">View Expo ETM-IS51-113 page</a>                 |
| Expo ETM-IS11-113                  | Related industrial automation product | <a href="#">View Expo ETM-IS11-113 page</a>                 |
| ABB RINT6621C-64690698             | Related industrial automation product | <a href="#">View ABB RINT6621C-64690698 page</a>            |

### SOURCE IDENTIFIERS

ABB Freelance and S800 I/O Product Catalog  
3BDD015188

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