

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB TB853 3BSE057022R1

RCU-Link Termination and Redundancy Guide

ABB RCU-Link Communication Termination Unit

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB TB853 3BSE057022R1
Reference number	TB853
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/tb853-3bse057022r1>

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RCU-Link termination path

ABB TB853, article number 3BSE057022R1, is an RCU Control Link terminator listed by ABB among AC 800M communication-bus accessories for System 800xA and the Compact Product Suite. Its specific function is to terminate the RCU Control Link. It is a link-termination accessory and does not measure analog variables, acquire digital field inputs, generate control outputs or execute the controller application.

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|----|---|
| 01 | Its specific function is to terminate the RCU Control Link. It is a link-termination accessory and does not measure analog variables, acquire digital field inputs, generate control outputs or execute the... |
| 02 | ABB lists TK856, article number 3BSE057021R1, as the RCU Control Link cable used with PM891; TB853 is the corresponding terminator type named for the RCU Control Link. Final cable, terminator and controller... |
| 03 | The product is applied in redundant AC 800M controller architectures requiring an RCU Control Link, including System 800xA and Compact Product Suite cabinets. It must not be substituted for the TB852 RCU Link... |

Link and controller boundaries

- | | |
|----|---|
| 01 | Status: confirmed |
| 02 | Lifecycle status: formal ABB lifecycle phase not published in the cited static material |
| 03 | Lifecycle evidence: The item remains listed in the ABB Ability System 800xA 6.2 Product Catalog and the Compact Product Suite Product Catalog available in 2025/2026. |

Termination and redundancy checks

01	Verify both TB853 and article number 3BSE057022R1 on the physical label before installation.
02	Do not substitute TB852; ABB assigns TB852 to the RCU Link and TB853 to the RCU Control Link.
03	Verify the controller redundancy topology, PM891 hardware and the specified TK856 cable in the current ABB hardware documentation.
04	Isolate the controller system and follow ABB's qualified-personnel and hardware-handling procedures before connecting or removing the terminator.
05	Inspect and secure the connector, then validate redundant-controller diagnostics before returning the process system to service.

Identity and release controls

Status	confirmed
Publish Allowed	Yes
Exact Match Basis	ABB's current System 800xA and Compact Product Suite catalogs map article number 3BSE057022R1 to TB853 RCU Control Link Terminator.

Official ABB sources

ABB Ability System 800xA 6.2 Product Catalog	https://library.e.abb.com/public/69ed5bfd7f8b4303a7095d25945f8892/7PAA010273%20en%20H%20System%20800xA%206.2%20Product%20Catalog.pdf
ABB Compact Product Suite Product Catalog	https://library.e.abb.com/public/39b06d185c574f51a62d566a3d278898/3BSE062980%20en%20L%20Compact%20Product%20Suite%20Product%20Catalog.pdf
ABB official product page 3BSE057022R1	https://new.abb.com/products/3BSE057022R1/3bse057022r1