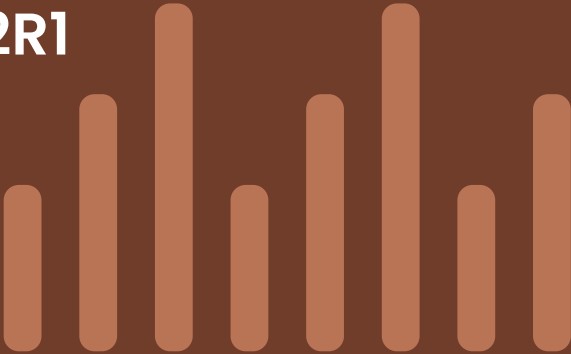


MANUFACTURER-SOURCE TECHNICAL REFERENCE

# ABB TB853 3BSE057022R1

Product Reference

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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## Product role and published parameters

### WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

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. ABB...

| Published field            | Manufacturer-published value or verified identity note                          |
|----------------------------|---------------------------------------------------------------------------------|
| Manufacturer               | ABB                                                                             |
| Article number             | 3BSE057022R1                                                                    |
| Type                       | TB853                                                                           |
| Product function           | RCU Control Link terminator                                                     |
| Related cable              | TK856 / 3BSE057021R1 is ABB's RCU Control Link cable, listed for use with PM891 |
| Processed/measured signals | None stated; link-termination accessory                                         |
| Connector type             | Not published in the cited ABB material                                         |

## System function and signal path

|    |                                                                                                                                                                                                    |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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... |
| 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... |
| 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...   |

## Applications, answers, and official sources

**1** RCU Control Link termination: Terminates the RCU Control Link in the ABB AC 800M topology specified for the installed redundant controller configuration.

**2** PM891 redundant control: Used in the RCU Control Link architecture associated with PM891; ABB lists TK856 as the PM891 RCU Control Link cable.

**3** System 800xA controller cabinets: Applied as a communication-bus accessory where a System 800xA AC 800M controller design requires RCU Control Link termination.

**4** Compact Product Suite cabinets: Applied in Compact Product Suite AC 800M redundant-controller layouts that use the RCU Control Link.

## Frequently asked questions

|                                                          |                                                                                                      |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| What is ABB TB853 3BSE057022R1?                          | It is ABB's RCU Control Link terminator for AC 800M communication hardware.                          |
| Does TB853 terminate the ordinary RCU Link?              | No. ABB assigns TB852 to the RCU Link and TB853 to the RCU Control Link.                             |
| Which ABB cable is associated with the RCU Control Link? | ABB lists TK856, article number 3BSE057021R1, as the RCU Control Link cable.                         |
| Which controller does ABB mention with TK856?            | ABB states that TK856 is used as an RCU Control Link cable with PM891.                               |
| Does TB853 process field I/O signals?                    | No such function is stated. It is a link terminator, not an analog/digital I/O module or controller. |
| Can TB853 replace TB850?                                 | No. TB850 terminates the CEX-Bus, whereas TB853 terminates the RCU Control Link.                     |