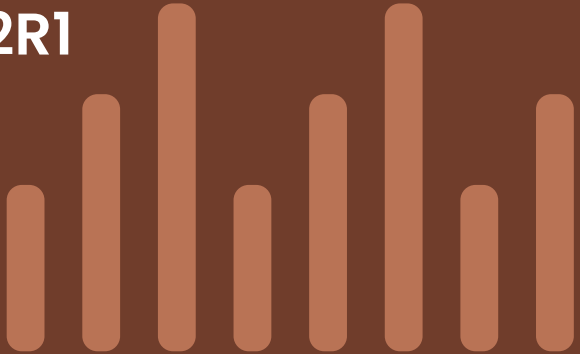


MANUFACTURER-SOURCE TECHNICAL REFERENCE

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>
Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

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.

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