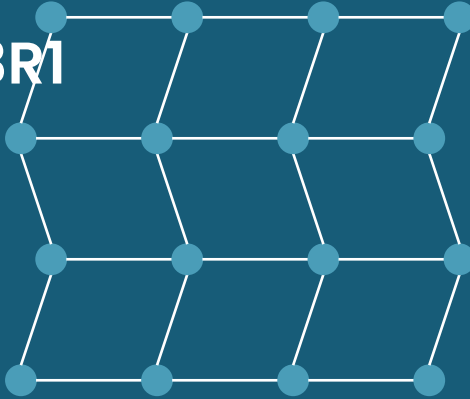


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB TB850 3BSC950193R1

Product Reference

ABB S800 I/O CEX-Bus Extension Terminator



DOCUMENT SCOPE

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

Product / lookup identity	ABB TB850 3BSC950193R1
Reference number	TB850
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/tb850-3bsc950193r1>
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Product role and published parameters

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

ABB TB850, article number 3BSC950193R1, is a CEX-Bus terminator for AC 800M controller communication-bus installations. ABB specifies a 25-pin DB25P male connector and screw fixing. Its specific function is to terminate the CEX-Bus at the end of the installed bus. ABB states that a TB850 must always be installed on the last unit on the CEX-Bus; it is therefore a bus accessory and does not measure or process field...

Published field	Manufacturer-published value or verified identity note
Manufacturer	ABB
Article number	3BSC950193R1
Type	TB850
Product function	CEX-Bus terminator
Connector	25-pin DB25P male
Fixing	Screw fixing
Required position	Last unit on the CEX-Bus

System function and signal path

01	Its specific function is to terminate the CEX-Bus at the end of the installed bus. ABB states that a TB850 must always be installed on the last unit on the CEX-Bus; it is therefore a bus...
02	ABB includes two TB850 terminators in the BC810K02 CEX-Bus interconnection package and in the BC820K02 CEX-Bus interconnection package. Those packages also contain their corresponding...
03	The product is used in System 800xA and Compact Product Suite AC 800M controller cabinets where communication-interface units extend the CEX-Bus. Its role is correct physical bus termination...



Applications, answers, and official sources

1 CEX-Bus end termination: Installed on the last unit of an AC 800M CEX-Bus, exactly as required by ABB.

2 BC810 interconnection assemblies: Used as one of the two TB850 terminators supplied in ABB's BC810K02 CEX-Bus interconnection package.

3 BC820 redundant-controller interconnection: Used as one of the two TB850 terminators supplied in ABB's BC820K02 CEX-Bus interconnection package.

4 System 800xA or Compact AC 800M cabinets: Provides the specified end termination in controller communication-bus layouts; it is not an I/O module.

Frequently asked questions

What is ABB TB850 3BSC950193R1?	It is ABB's CEX-Bus terminator for AC 800M hardware.
Where is the TB850 installed?	ABB says it must always be installed on the last unit on the CEX-Bus.
Which connector does TB850 use?	A 25-pin DB25P male connector with screw fixing.
Does TB850 read analog or digital field signals?	No signal-processing function is stated. It is a CEX-Bus termination accessory, not an I/O module.
Is TB850 the same as TB851?	No. ABB lists TB850 as DB25P male and TB851 as DB25S female; their order codes and intended termination use differ.
Is TB850 included with BC810K02?	Yes. ABB lists two TB850 terminators in the BC810K02 package.