

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB DSSS170 48970001-A

Product Reference

ABB DSSS 170 diode unit rated 24 V and 25 A

DOCUMENT SCOPE

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

Product / lookup identity	ABB DSSS170 48970001-A
Reference number	48970001-A
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/dsss170-48970001-a>
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Product role and published parameters

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

ABB DSSS 170, product ID 48970001-A, is a Classic-phase diode unit whose exact ABB product page specifies a 24 V, 25 A rating. Its documented system role is the diode-unit function in a compatible ABB control-system power assembly, providing only the exact 24 V DC power-interface behavior defined by the project circuit. System context: ABB DSSS 170 diode unit rated 24 V and 25 A.

Published field	Manufacturer-published value or verified identity note
Manufacturer	ABB
Model	DSSS 170
Product ID	48970001-A
Product type	Diode unit
Published voltage rating	24 V
Published current rating	25 A
Lifecycle phase	Classic

System function and signal path

01	Power Path: ABB specifies a 24 V, 25 A diode unit. The exact number and direction of source and load terminals are not public in the cited ABB page and must be taken from the project circuit diagram.
02	System Function: Provides the diode-based power-interface function assigned to 48970001-A in a compatible ABB control-system cabinet.
03	Process Signals: No analog-input, analog-output, digital-input, digital-output, pulse, temperature, pressure, vibration, or communication signal function is published.
04	Processing: No CPU, logic execution, measurement, regulation, or network processing is documented for the exact unit.

Applications, answers, and official sources

1 24 V DC diode power path: Carries the documented 24 V control-power path at the published 25 A rating in an exact ABB engineered circuit.

2 Control-cabinet power distribution: Provides the diode-unit position in a compatible ABB control-system cabinet without processing process I/O signals.

3 Installed-base power assembly: Supports a legacy ABB control installation only when its bill of materials and wiring diagram explicitly call for DSSS 170 / 48970001-A.

4 Industrial process-control infrastructure: Applies to process, power, water, metals, pulp-and-paper, or other industrial sites only through the documented ABB host cabinet; no industry-specific electrical topology is inferred.

Frequently asked questions

What is ABB DSSS 170 48970001-A?	ABB identifies it as a DSSS 170 diode unit rated 24 V and 25 A.
What is the exact ABB product ID?	The exact product ID is 48970001-A.
What lifecycle phase does ABB publish?	ABB marks the exact product description as Classic.
Does DSSS 170 measure process signals?	No process-signal measurement function is published. It is identified as a diode unit in a 24 V power path.
Does it communicate over Ethernet, fieldbus, or serial links?	ABB publishes no communication interface for 48970001-A.
Can DSSS 170 be described as a dual-power-supply redundancy module?	Not from the cited public ABB page alone. Use that description only if the exact ABB/project wiring diagram explicitly documents it.

Official ABB sources

ABB product page - 48970001-A	https://www.abb.com/global/en/products/48970001-a
ABB Advant Master customer support	https://new.abb.com/control-systems/service/customer-support/advant-master