

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB SD834 3BSC610067R1

Product Reference

20 A AC/DC input 24 VDC DIN-rail power supply

DOCUMENT SCOPE

Apter Power product reference prepared from product-specific ABB technical information. Confirm the complete product identity and installed-system requirements before use. No product photograph is included.

Product / lookup identity	ABB SD834 3BSC610067R1
Reference number	3BSC610067R1
Document basis	ABB technical documents listed on page 3



Product page

<https://www.apterpower.com/ABB/sd834>

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Product role and published parameters

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

ABB SD834 3BSC610067R1 is a 480 W DIN-rail power supply with 100–240 VAC or 110–150 VDC input and 24 VDC, 20 A output. Its documented hardware function is 20 A AC/DC input 24 VDC DIN-rail power supply. System context: 20 A AC/DC input 24 VDC DIN-rail power supply.

Technical parameter	Technical value
ABB product ID	3BSC610067R1
Rated output	24 VDC, 20 A
Rated output power	480 W
AC input	100–240 VAC
DC input	110–150 VDC
Efficiency	92.4/93.9 percent
Redundancy	Use SS823 or SS832 voting unit

System function and signal path

01	System Inputs: 20 A AC/DC input 24 VDC DIN-rail power supply
02	Processing: ABB SD834 3BSC610067R1 is a 480 W DIN-rail power supply with 100–240 VAC or 110–150 VDC input and 24 VDC, 20 A output.

Applications, answers, and official sources

1 SD834 installed-base maintenance: Supports like-for-like service of the documented 20 A AC/DC input 24 VDC DIN-rail power supply.

2 SD834 compatibility review: Checks host hardware, revision, companion components, wiring and configuration before replacement.

3 SD834 installation planning: Defines isolation, ESD, mounting, connection and parameter checks before field work.

4 SD834 commissioning: Supports controlled diagnostic, channel, communication or process-response checks after installation.

Frequently asked questions

What is SD834?	SD834 is a 20 A AC/DC input 24 VDC DIN-rail power supply.
Which system uses SD834?	Use SD834 only in the manufacturer system and hardware arrangement stated in the technical parameters and installation notice on this page.
How do engineers confirm SD834 compatibility?	Match the complete SD834 label, hardware revision, host platform, companion hardware, connector and project configuration before replacement.
What should be checked before installing SD834?	Isolate energy, verify wiring and connector orientation, protect the hardware from ESD and compare every field connection with the approved drawing for SD834.
What commissioning test is required for SD834?	Restore power in a controlled sequence and verify status, diagnostics, channel or output response, alarms and the intended process function of SD834.
How should a technician troubleshoot SD834?	Record indicators, diagnostics, field measurements, configuration, companion hardware and the operating event before deciding whether SD834 is faulty.