

ABB SD832

24 V DC, 5 A Power Supply

Manufacturer	ABB
Model / order number	SD832 / 3BSC610065R1
Product identification	24 V DC, 5 A Power Supply
System / family context	ABB control and I/O power supplies

Verified scope

ABB identifies SD832 as a DIN-rail power supply with auto-select 100-120 / 200-240 V AC input and 24 V DC, 5 A output. The catalog identifies this version as G2 compliant.

Engineering checks before replacement

- Confirm the two nominal AC input ranges and protective-earth connection.
- Check the continuous output load against the 5 A rating.
- Allow the specified DIN-rail mounting clearances and cabinet cooling.
- Use the approved diode voting arrangement when designing redundant supply.

Official ABB source reference

ABB Product Details: 3BSC610065R1. Original pages 1-3, dated 2026-09-08.

Open original ABB manufacturer reference

This cover is an independent Sales PLC reference, not a manufacturer-issued datasheet. The following manufacturer pages retain their original text, layout and page numbering.

Request model verification or a quotation

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PRODUCT-DETAILS

3BSC610065R1

SD832 Power Supply, 5A



General Information	
Product ID:	3BSC610065R1
ABB Type Designation:	SD832
Catalog Description:	SD832 Power Supply, 5A
Long Description:	Input a.c. 100-120/200-240 V. Output d.c. 24 V 5A, auto-select input. If redundant power application is required connect to SD8XX voting unit. DIN rail mounted. G2 compliant.
Display Name:	3BSC610065R1

Additional Information	
Medium Description:	Input a.c. 100-120/200-240 V. Output d.c. 24 V 5A, auto-select input. If redundant power application is required connect to SD8XX voting unit. DIN rail mounted. G2 compliant.
Product Type:	Power_Supply

Ordering	
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HS Code:	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters
Customs Tariff Number:	85044083

Dimensions

Product Net Depth / Length:	117 mm
Product Net Height:	124 mm
Product Net Width:	32 mm
Product Net Weight:	0.56 kg

Environmental

RoHS Information:	Following EU Directive 2011/65/EU
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
Number of Batteries:	0
SCIP:	fb0ec071-885a-4601-a9fb-b2f1b8179e97 China

Where Used (as part of "kit")

Identifier	Description	Qty	Unit Of Measure
PM5Y800XA-SD832	5 years Preventive Maintenance Kit	1	piece

Categories

- Products > Control System Products > Power Supply Products > DIN-railed Power > DIN-railed Power - Units > SD832 Power Supplies > SD832 Power Supply
- Products > Control Systems > 800xA > Controllers > AC 800M Hardware > AC 800M Hardware 5.0 > Power Supplies
- Products > Control Systems > 800xA > Controllers > AC 800M Hardware > AC 800M Hardware 5.1 > Power Supplies
- Products > Control Systems > 800xA > I/Os > S800 I/O > S800 I/O 5.0 > Power Supplies
- Products > Control Systems > 800xA > I/Os > S800 I/O > S800 I/O 5.1 > Power Supplies
- Products > Control Systems > 800xA > System > 800xA System > 800xA 6.0 System > Power Supplies
- Products > Control Systems > Advant OCS with Master SW > I/Os > S800 I/O > Power Supplies
- Products > Control Systems > Advant OCS with Master SW > System > Advant OCS with Master SW > Advant Fieldbus 100 > Power Supplies
- Products > Control Systems > Advant OCS with MOD 300 SW > I/Os > S800 I/O > Power Supplies
- Products > Control Systems > Compact Product Suite > Controllers > AC 800M > AC 800M 5.1 > Power Supplies
- Products > Control Systems > Compact Product Suite > Controllers > AC 800M > AC 800M 6.0 > Power Supplies
- Products > Control Systems > Compact Product Suite > I/Os > S800 I/O > S800 I/O 5.0 > Power Supplies
- Products > Control Systems > Compact Product Suite > I/Os > S800 I/O > S800 I/O 5.1 > Power Supplies
- Parts & Services > Control Systems > 800xA > Controllers > AC 800M Hardware > AC 800M Hardware 4.1 > Power Supplies

Parts & Services > Control Systems > 800xA > Controllers > AC 800M Hardware > AC 800M Hardware 5.0 > Power Supplies

Parts & Services > Control Systems > 800xA > Controllers > AC 800M Hardware > AC 800M Hardware 5.1 > Power Supplies

Parts & Services > Control Systems > Compact Product Suite > Controllers > AC 800M > AC 800M 4.1 > Power Supplies

Parts & Services > Control Systems > Compact Product Suite > Controllers > AC 800M > AC 800M 5.0 > Power Supplies

Parts & Services > Control Systems > Compact Product Suite > Controllers > AC 800M > AC 800M 5.1 > Power Supplies

Parts & Services > Measurement and Analytics > Force Measurement > Dimension Measurement > Thickness Gauging PMG100 > PMGA12* Control Unit

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > PFEA101* Tension Controller

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > PFEA11* v2.1- / PFEA12* v3.0- Electronics

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > Stressometer 6.0 FSA > Flatness Systems > Flatness Measurement Systems

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > Stressometer 7.1 FSA > Flatness Systems > Flatness Measurement Systems

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > Stressometer 8.0 FSA > Flatness Systems > Flatness Measurement Systems

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > Thickness Gauging PMG200*4.0 > Thickness Gauging Electronics > PMGA20* Control Unit

Parts & Services > Measurement and Analytics > Force Measurement > Previous Hierarchy Force Measurement Portfolio > Thickness Gauging PMG200*4.1 > Thickness Gauging Electronics > PMGA20* Control Unit

