AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

SD833 3BSC610066R1

24 V DC Power Supply

TYPE	REFERENCE	FAMILY	SCOPE
24 V DC Power Supply	**SD833**	**AC 800M / S800 I/O**	**Exact-model data**

ABB SD833 3BSC610066R1 is a DIN rail power supply that converts AC mains to regulated 24 V DC. Rated at 10 A and 240 W, it provides the low voltage supply for documented AC 800M and S800 I/O configurations.

01 DOCUMENTED PRODUCT REFERENCE

Nominal AC input	100-120 V or 200-240 V AC; automatic selection
Input voltage tolerance	+/-10% of the nominal input ranges
Input frequency	50-60 Hz, +/-6%
Rated input apparent power	447 / 514 VA
Rated output voltage	24 V DC
Rated output current	10 A
Rated output power	240 W
Efficiency	91 / 91.6%

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Primary inrush current	<10 A
Input power factor	0.59 / 0.51
Heat dissipation	24 / 22 W
Output ripple	<50 mV peak to peak
Hold-up time	46 / 47 ms
Ingress protection	IP20
Output protection	Overcurrent limiting and overvoltage protection

03 APPLICATION AND CONFIGURATION

- Match SD833 and article 3BSC610066R1
- Confirm mains range and protective earth
- Verify normal load against 10 A rating
- Identify the specified diode voting unit
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB SD833 Hardware Selector; AC 800M Controller Hardware

ABB SD833 Hardware Selector, pages 1-2; AC 800M Controller Hardware 3BSE036351-600 A, Appendix A.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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