

ABB S800 I/O FIELD COMMUNICATION

Product Data Sheet

CI830 3BSE013252R1

PROFIBUS-DP communication interface

FUNCTION	FAMILY	ORIGIN	WEIGHT
PROFIBUS-DP communication interface	ABB S800 I/O field communication	Sweden	0.3 kg

ABB Advant S800 I/O CI830 3BSE013252R1 is a PROFIBUS-DP communication interface for the ABB S800 I/O field communication. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Article Number	3BSE013252R1
Protocol	PROFIBUS-DP
Maximum Bus Rate	12 Mbit/s
Supply Voltage	24 V DC $\pm 20\%$
Typical Supply Current	50 mA
Typical Power Consumption	1.2 W
Field-to-Bus Isolation	500 V DC
Operating Temperature	-20°C to +55°C
Network Connector	9-pin D-sub PROFIBUS
ModuleBus Function	S800 I/O cluster communication

ADDITIONAL PRODUCT DATA

Service Interface	Software download interface
Mounting Method	S800 I/O DIN-rail station

OFFICIAL APPLICATIONS

- Connect an S800 I/O cluster to the controller: Configure the CI830 station address and bus rate to match the documented PROFIBUS-DP master and approved S800 I/O database.
- Coordinate the local S800 modules: Restore the module order, termination units, power supervision and ModuleBus diagnostics before enabling field control.
- Validate bus and channel health: Check termination, shielding, node diagnostics and cyclic I/O exchange at the selected data rate before process release.

SYSTEM COMPATIBILITY

Match CI830 3BSE013252R1 to the installed ABB S800 I/O field communication, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

ABB manufacturer documentation

Manufacturer official documentation

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM