

ABB AC 800M SERIAL COMMUNICATION

Product Data Sheet

CI853A

dual RS-232-C communication interface

FUNCTION	FAMILY	ORIGIN	WEIGHT
dual RS-232-C communication interface	ABB AC 800M serial communication	Switzerland	0.70 kg

ABB Advant AC800M CI853A is a dual RS-232-C communication interface for the ABB AC 800M serial communication. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Exact Article Code	3BSE018103R1
Interface Type	Dual RS-232-C
Serial Channels	2 independent ports
Supported Protocol	Modbus RTU master
ABB Protocol	COMLI master and slave
Additional Protocol	Siemens 3964R
Programmable Mode	Free-programmable serial protocol
Baseplate	TP853
Baseplate Width	60 mm
Controller Family	AC 800M

ADDITIONAL PRODUCT DATA

Connector Standard	RS-232-C serial
Communication Mode	Asynchronous serial
Modbus Link Mode	RTU
COMLI Link Mode	Half-duplex master/slave
Engineering Library	CI853SerialComHWLib

OFFICIAL APPLICATIONS

- Exchange pump-station registers over Modbus RTU: CI853A links an AC 800M controller to serial motor starters and metering devices. Two RS-232-C channels keep command, status and accumulated process values available to the plant control strategy.
- Bridge legacy COMLI data into boiler auxiliary control: CI853A carries COMLI register and bit data between the AC 800M controller and established serial subsystems. Operators retain coordinated visibility of auxiliary equipment while the controller executes the supervisory sequence.
- Coordinate a 3964R production-machine interface: CI853A provides the documented Siemens 3964R serial path for exchanging machine states, counters and production commands with an AC 800M application. The dual-channel design separates the machine link from a second serial device.

SYSTEM COMPATIBILITY

Match CI853A to the installed ABB AC 800M serial communication, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB official product documentation](#)

<https://library.e.abb.com/>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM