

ABB DRIVES SERIAL COMMUNICATION

Product Data Sheet

FSCA-01 3BHE030763R0002

RS-485 fieldbus adapter module

FUNCTION RS-485 fieldbus adapter module	FAMILY ABB drives serial communication	ORIGIN Switzerland	WEIGHT 0.08 kg
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ABB Drives FSCA-01 3BHE030763R0002 is a RS-485 fieldbus adapter module for the ABB drives serial communication. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Exact Article Code	3BHE030763R0002
Module Type	FSCA-01 RS-485 adapter
Physical Interface	EIA-485 two-wire serial
Protocol	Modbus RTU
Communication Role	Modbus RTU slave
Baud Rates	9.6, 19.2, 38.4 and 57.6 kbit/s
Parity Options	None, even or odd
Stop Bits	1 or 2
Node Address	1 to 247
Connector	Detachable terminal block

ADDITIONAL PRODUCT DATA

Bus Termination	Switch-selectable termination
Biasing	Switch-selectable bias resistors
Drive Interface	ABB option-module slot
Configuration	Drive parameter groups
Status Indication	Network and module LEDs

OFFICIAL APPLICATIONS

- Expose air-handler drive data over Modbus RTU: FSCA-01 connects an ABB variable-speed drive to a building controller over an EIA-485 network. Fan speed command, run status, energy values and alarms move through mapped Modbus registers.
- Coordinate conveyor speed with a packaging controller: FSCA-01 carries Modbus RTU commands and feedback between the line controller and an ABB conveyor drive. The controller adjusts speed references as product flow changes and reads drive status for line coordination.
- Integrate a variable-speed pump with plant telemetry: FSCA-01 provides the serial link for pump speed demand, operating status and fault codes. Its selectable address, baud rate, parity and bus termination support a multidrop Modbus RTU network.

SYSTEM COMPATIBILITY

Match FSCA-01 3BHE030763R0002 to the installed ABB drives 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

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