

ABB FIO-11 – Requested Code 68679079 Verification

FIO-11 Drive I/O Installation and Verification Guide

ABB FIO-11 Analog and Digital I/O Extension Module

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB FIO-11 – Requested Code 68679079 Verification
Reference number	68679079
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/ABB-Drives/ACS-850/fio-11>

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Voltage, current, and digital I/O signal path

ABB FIO-11 is a general-purpose analog and digital I/O extension module for a compatible ABB drive; ABB's current public product ID is 68805384, while requested code 68679079 is not corroborated in the reviewed ABB sources and remains on nameplate/order-record hold. Installed in a documented drive option slot, it expands the drive's control interface with three analog inputs, one analog current output, and two programmable digital input/output channels so the drive application can receive extra process values and discrete states and can issue an analog command or digital outputs.

01	Analog Inputs: Three differential inputs acquire voltage or current process signals selected by the module's slide switches. The manual specifies 16-bit A/D conversion, scaling in the drive application, and DC-to-4-kHz bandwidth.
02	Analog Output: One 0-to-20-mA output converts the drive application's commanded value to an analog current signal for a load below 500 ohms.
03	Digital Channels: Two 24 V channels accept discrete status signals or produce programmable push-pull/open-collector outputs with 50 mA source and sink capability.
04	Drive Interface: The 20-pin option-slot connector automatically carries signal and module power between FIO-11 and the drive control unit; communication is enabled and mapped through the applicable drive firmware.
05	Isolation: All inputs and outputs are in the same potential area and have common isolation from the control electronics; they are not individually isolated channel-to-channel.

Drive, signal-range, and isolation boundaries

01	Verification Status: MODEL_VERIFIED; REQUESTED_NUMERIC_CODE_NOT_CORROBORATED_IN_REVIEWED_ABB_PUBLIC_SOURCES; NAMEPLATE_OR_ORDER_RECORD_HOLD
02	Exact Mapping: ABB's current public product page identifies FIO-11 as product ID 68805384, and ABB manuals verify the FIO-11 model and function. The reviewed ABB public sources did not directly map requested number 68679079 to FIO-11. Do not describe 68679079 as a verified current or former ABB product ID without an exact ABB nameplate or official order record.
03	Lifecycle Status: ABB maintains a current FIO-11 product page, a 2023 quick guide, and current drive documentation that lists FIO-11. None of the cited exact sources assigns an Active, Classic, Limited, or Obsolete lifecycle phase. Do not invent a lifecycle label.

Identity, option-slot, switch, and wiring checks

01	Verify the physical ABB label and exact order record before associating requested code 68679079 with FIO-11; the current ABB public product ID is 68805384.
02	Confirm the exact host drive type, control-unit option slot, and firmware support in the drive hardware and firmware manuals before installation.
03	Only qualified electrical personnel may work on the drive. Isolate drive mains and all external control voltages, wait the discharge time stated by ABB, and verify that hazardous voltage is absent.
04	Set each analog input slide switch to the same voltage or current mode configured in the drive application before energizing the circuit.
05	Keep analog signals within -10 to +10 V or -20 to +20 mA and the digital input below the documented 30 V maximum; do not exceed the 50 mA source/sink output rating.
06	Use a receiving load below 500 ohms on the 0-to-20-mA analog output.

Identity and release controls

Verification Status	MODEL_VERIFIED; REQUESTED_NUMERIC_CODE_NOT_CORROBORATED_IN_REVIEWED_ABB_PUBLIC_SOURCES; NAMEPLATE_OR_ORDER_RECORD_HOLD
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Official ABB sources

ABB FIO-11 official product page	https://www.abb.com/global/en/products/68805384
FIO-11 Analog I/O Extension User's Manual	https://library.e.abb.com/public/c8820e9bc03a3d20c12573e100390d8a/en_FIO_11_UM_C.pdf
FIO-11 Analog I/O Extension Quick Guide	https://library.e.abb.com/public/c452f950d62c4d2cbe9f13df22114e26/FIO-11_Quick_Guide_C.pdf
ABB ACS580MV technical data	https://new.abb.com/drives/medium-voltage-ac-drives/acs580mv/acs580mv-technical-data
ABB Automation Builder Help – Extension I/O in drive application program	https://help.plc.abb.com/Dap_extension_IO.html
ABB ACS850-04 hardware manual	https://library.e.abb.com/public/0be9bbab29e380b5c1257b88001f7002/EN_ACS850_E0_E_HW_C_screen.pdf
ABB ACSMI Lift Control Program Firmware Manual	https://library.e.abb.com/public/ab29b4c51c4646a1900ad92d3988cc1c/EN_ACSMI_Lift_Ctrl_FW_B_A4.pdf