

SPAS011

Analog Output Module — complete exact-model product record

Product identity

ABB SPAS011 is a Harmony Rack analog output module with fourteen output channels for 1-5 VDC or 4-20 mA signals. ABB documents SPAS011 as the Harmony Rack replacement for IMASO11 and specifies a maximum 750-ohm current-output load.

Engineering boundary

SPAS011 provides fourteen analog outputs and uses the FC149 field connection path documented by ABB. Preserve every channel assignment, output range and connected load before replacement.

CAPABILITY 1

Provides fourteen analog output channels in a Harmony Rack I/O assembly.

CAPABILITY 2

Supports documented 1-5 VDC or 4-20 mA output service.

CAPABILITY 3

Uses the FC149 field connection path identified by ABB.

MANUFACTURER EVIDENCE BASIS

- ABB Harmony evolution presentation
- ABB Symphony Plus product catalog

External manufacturer URLs are intentionally omitted from this document.

CAPABILITY 4

Serves as the documented Harmony Rack replacement for IMASO11.

Technical data matrix

Verified product parameters without trade or logistics data

Product family	Harmony Rack I/O
Function	Analog output module
Output channels	14
Voltage signal	1-5 VDC
Current signal	4-20 mA

Current-output load	750 Ohm maximum
Field connection	FC149
Documented predecessor	IMASO11
Service role	Harmony Rack replacement module

Data discipline

Only exact-model manufacturer-supported parameters are included. Trade, logistics, weight and dimensional fields are intentionally excluded.

Applications and workflow

Four engineering uses paired with field-control steps

Fourteen-loop analog control

Drives up to fourteen documented analog control or indication loops from one rack module.

Current-output service

Supplies configured 4-20 mA signals while respecting the 750-ohm maximum load.

Voltage-output service

Supports documented 1-5 VDC analog output assignments in the Harmony system.

IMASO11 renewal

Provides the ABB-documented Harmony Rack replacement path for an IMASO11 position.

Exact identification

Confirm the exact SPAS011 identity; do not confuse it with the distinct SPASO11 spelling.

Maintenance state

Place all fourteen controlled outputs and affected process functions in the approved maintenance state.

Configuration capture

Record every channel assignment, output range and connected field load before removal.

Independent acceptance

Release the module only after all assigned outputs pass loop and process acceptance.

Questions and precautions

Model-specific support topics and release controls

What is ABB SPAS011?

SPAS011 is a Harmony Rack analog output module.

PRECAUTION 1

Confirm the exact SPAS011 identity; do not confuse it with the distinct SPAS011 spelling.

PRECAUTION 2

Place all fourteen controlled outputs and affected process functions in the approved maintenance state.

How many output channels does ABB SPAS011 provide?

It provides fourteen analog output channels.

PRECAUTION 3

Record every channel assignment, output range and connected field load before removal.

PRECAUTION 4

Verify that each 4-20 mA loop remains within the documented 750-ohm maximum load.

Which voltage signal does ABB SPAS011 support?

ABB documents 1-5 VDC output service.

PRECAUTION 5

Retain the FC149 field connection and documented termination arrangement.

PRECAUTION 6

Do not copy an IMASO01 or other nearby module configuration into the SPAS011 position.

Which current signal does ABB SPAS011 support?

ABB documents 4-20 mA output service.

PRECAUTION 7

Exercise voltage and current channels with controlled test values after restoration.

PRECAUTION 8

Release the module only after all assigned outputs pass loop and process acceptance.

Sources, related products and contact

A traceable handoff for engineering review and procurement support

VERIFIED RELATED ABB PRODUCT PAGES

01	ABB BC810K01 3BSE031154R1 Open verified ApterPower page	02	ABB TB811 3BSE008568R1 Open verified ApterPower page
03	ABB CI857K01 3BSE018144R1 Open verified ApterPower page	04	ABB PM866K01 3BSE050198R1 Open verified ApterPower page
05	ABB CI854AK01 3BSE030220R1 Open verified ApterPower page	06	ABB CI830 3BSE013252R1 Open verified ApterPower page
07	ABB CI840A 3BSE041882R1 Open verified ApterPower page	08	ABB CI801 3BSE022366R1 Open verified ApterPower page

MANUFACTURER EVIDENCE BASIS

- ABB Harmony evolution presentation
- ABB Symphony Plus product catalog

External manufacturer URLs are intentionally omitted from this document.

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