

ABB DSAO120A 3BSE018293R1

COMPLETE PRODUCT INFORMATION

01 / PRODUCT DASHBOARD

The S100 I/O analog output board provides eight configured controller-to-field output channels for documented Advant and MasterPiece control environments.

Installed context

Signal role	Installed context	Acceptance
Configured measurement or control path	Mating component or rack position	Machine-specific functional check

Legacy process control

Restore analog-output capacity in an ABB system that explicitly lists 3BSE018293R1.

Actuator command outputs

Deliver configured analog commands to field loops through the host S100 I/O arrangement.

Advant installed base

Support documented Advant Controller 450 or AC460 hardware configurations.

MasterPiece service

Maintain a MasterPiece 200/200-1 configuration whose bill of materials calls for DSAO 120A.

Engineering checkpoints

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source

Related models

ABB AO810V2 3BSE038415R1	Related portfolio reference; verify the complete execution.
ABB TU831V1 3BSE013235R1	Related portfolio reference; verify the complete execution.
ABB DI811 3BSE008552R1	Related portfolio reference; verify the complete execution.
ABB SR511 3BSE000863R1	Related portfolio reference; verify the complete execution.

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Manufacturer-supported characteristics

I/O family	S100 I/O
Channels	8 analog outputs
Supported installed-base families	Advant Controller 450; AC460; MasterPiece 200/200-1; 800xA/Compact Product Suite
Module function	Analog output
Signal direction	Controller to field output
Board format	S100 I/O plug-in board

Additional data

Channel architecture	Eight analog output channels
Controller dependency	Requires an explicitly supported ABB host configuration
Commissioning focus	Channel assignment, diagnostics and controlled loop response

Interpretation boundary

Verify the complete DSAO120A 3BSE018293R1 identity, mating hardware and controlled system procedure before installation.

Evidence discipline

Unverified catalog fields and suffix meanings are intentionally omitted. Confirm them only from the exact manufacturer record or nameplate.

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01 / Field precaution

Verify DSAO 120A and 3BSE018293R1 on the physical ABB label.

02 / Field precaution

Confirm the host controller and exact rack position before removal.

03 / Field precaution

Isolate affected field circuits and apply the site's lockout procedure.

04 / Field precaution

Record terminal, polarity, channel and range assignments before disconnecting wiring.

05 / Field precaution

Inspect the board connector and rack mating contacts without touching conductive surfaces.

06 / Field precaution

Do not infer channel range or load limits from a different ABB analog-output board.

07 / Field precaution

Restore project configuration and test each affected output through an approved loop-test method.

08 / Field precaution

Record channel results, diagnostics and controller status before handover.

Acceptance checkpoints

Configuration	Installed channel and companion parts recorded
Mechanical	Mounting, enclosure and routing inspected
Electrical	Power, loop or cable checks follow the applicable source
Integration	Mating components and system length confirmed
Acceptance	Machine-specific functional result recorded

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ABB TU831V1 3BSE013235R1	Related portfolio reference; verify the complete execution.
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What is ABB DSAO120A 3BSE018293R1?

It is an eight-channel S100 I/O analog output board.

How many output channels does ABB DSAO120A 3BSE018293R1 provide?

ABB lists eight analog output channels.

Which control families list ABB DSAO120A 3BSE018293R1?

ABB lists established Advant Controller 450, AC460 and MasterPiece 200/200-1 environments, including 800xA or Compact Product Suite integration.

How does ABB DSAO120A 3BSE018293R1 function in the S100 I/O architecture?

It converts controller output commands into eight configured analog output channels for the documented host system.

What should be checked in each output channel of ABB DSAO120A 3BSE018293R1?

Confirm channel assignment, configured signal behavior, diagnostics and the controlled field-loop response.

What signal direction applies to ABB DSAO120A 3BSE018293R1?

The board carries configured analog output commands from the controller toward the connected field loops.

What host-system check is required for ABB DSAO120A 3BSE018293R1?

Confirm the controller family, project configuration and S100 I/O assignment before energizing the output loops.

What should be verified after installing ABB DSAO120A 3BSE018293R1?

Verify project recognition, channel configuration, diagnostics and each affected analog loop.

Related models

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Related portfolio reference; verify the complete execution.

ABB TU831V1 3BSE013235R1

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Evidence record

Technical source	ABB product detail for 3BSE018293R1, DSAO 120A
Evidence boundary	Only directly supported family and ordering statements are used
Verification focus	Function, signal path, interfaces and installation conditions

Related models

ABB AO810V2 3BSE038415R1	Related portfolio reference; verify the complete execution.
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ABB DI811 3BSE008552R1	Related portfolio reference; verify the complete execution.
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Recommendation rule

Brand + model links identify related product pages. They do not claim compatibility or substitution.

Service record

Retain the installed point, companion components, as-found condition, inspection evidence and machine-specific acceptance result.

Manufacturer evidence

ABB product detail: eight-channel analog-output function, S100 I/O family and documented Advant and MasterPiece host-system context.

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