

ABB AO610 3BHT300008R1

Analog Output Module / Product dashboard

Acceptance requires a measured field response for every used command channel.

IDENTITY
ABB AO610 3BHT300008R1

PRODUCT ROLE
Analog Output Module

PLATFORM
S600 I/O

CONTROL BASIS
Exact evidence plus installed-system record

Manufacturer product ID	3BHT300008R1
ABB type designation	AO610
Output channels	16
Resolution	12 bit
Current range	0-20 mA
Voltage range	0-10 V

The dashboard places AO610 3BHT300008R1 identity, operating role and maintenance boundaries in one review surface for the S600 I/O installation.

Dashboard boundary

This overview supports identification and maintenance planning; it does not declare compatibility with a neighboring model or approve a redesign.

ABB AO610 3BHT300008R1

Analog Output Module / Technical matrix

Manufacturer product ID	3BHT300008R1
ABB type designation	AO610
Output channels	16
Resolution	12 bit
Current range	0-20 mA
Voltage range	0-10 V
Isolation	Outputs optically isolated as one group
System	S600 I/O

DATA USE

Values support exact-model identification and configuration review.

LIMIT CONTROL

Electrical, software and loading limits remain subject to the installed design.

RECORD SOURCE

ABB AO610 Exact Product Record and Advant Controller 110 Overview

REVISION NOTE

3BHT300008R1 / 3BDD 010 003R0003

ABB AO610 3BHT300008R1

Analog Output Module / Application architecture

Multi-loop current commands

Provides sixteen documented 0-20 mA controller outputs.

Voltage reference service

Supplies configured 0-10 V signals to compatible field devices.

Grouped output integration

Operates within the shared isolation boundary of the station design.

Exact output renewal

Restores AO610 scaling, terminals and controller mapping.

Input to decision	Exact label plus manufacturer evidence
Installed context	Rack, terminal, network, project and connected process
Change control	Approved scope and retained configuration baseline
Proof	Diagnostic state plus witnessed functional result

Within the S600 I/O context, AO610 3BHT300008R1 must be reviewed together with its assigned project data, field interfaces and the maintenance acceptance record.

ABB AO610 3BHT300008R1

Analog Output Module / Risk and decision register

PRIMARY RISK

A mismatch between the AO610 3BHT300008R1 label and the installed analog output module record.

CONFIGURATION RISK

Loss of the AO610 3BHT300008R1 project, mapping, wiring or interface baseline.

SELECTION RISK

Treating another S600 I/O item as automatically equivalent to AO610 3BHT300008R1.

RELEASE RISK

Returning AO610 3BHT300008R1 to control before diagnostics and functional response are witnessed.

Decision register

How many outputs does ABB AO610 3BHT300008R1 provide?

It provides sixteen analog output channels.

Which ranges are explicitly confirmed for ABB AO610 3BHT300008R1?

ABB lists 0-20 mA and 0-10 V in the exact product description.

What configuration must be retained for ABB AO610 3BHT300008R1?

Retain range, scaling, terminal, load, safe-state and controller-address information.

What should be verified before energizing ABB AO610 3BHT300008R1?

Verify field load, range, conductor placement, shared return and module seating.

What resolution applies to ABB AO610 3BHT300008R1?

The exact product and S600 records specify 12-bit output conversion.

How are ABB AO610 3BHT300008R1 outputs isolated?

The sixteen channels are optically isolated together as one group.

Can AO650 isolation data be used for ABB AO610 3BHT300008R1?

No. AO650 uses individual channel isolation and requires a different design review.

How is ABB AO610 3BHT300008R1 accepted?

Apply controlled output commands and compare the controller value with measured field current or voltage.

Decision closeout

Approve the AO610 3BHT300008R1 decision register only when identity, configuration, diagnostics and observed process behavior tell one consistent story.

ABB AO610 3BHT300008R1

Analog Output Module / Canonical record and support

Canonical identity	ABB AO610 3BHT300008R1
Product name	Analog Output Module
Family	S600 I/O
Selection boundary	Exact identity; no neighboring-model inference
Release boundary	Installed record plus witnessed functional proof

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

ABB DSIH75VP 57310290-RD

[View ABB DSIH75VP 57310290-RD page](#)

ABB C2-A0 UBC717 / C2-A0 BE101

[View ABB C2-A0 UBC717 / C2-A0 BE101 page](#)

MANUFACTURER EVIDENCE RECORD

ABB AO610 Exact Product Record and Advant Controller 110 Overview

3BHT300008R1 / 3BDD 010 003R0003

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Send the exact model, quantity, destination and requested condition for a quotation.

