

ABB DP620 3BHT300016R1

High-Speed Counter / Product dashboard

Acceptance requires a controlled pulse test that proves the configured count or measurement result.

IDENTITY
ABB DP620 3BHT300016R1

PRODUCT ROLE
High-Speed Counter

PLATFORM
S600 I/O

CONTROL BASIS
Exact evidence plus installed-system record

Manufacturer product ID	3BHT300016R1
ABB type designation	DP620
Counter channels	5
Input levels	5 V or 24 V DC
Maximum frequency class	Below 100 kHz
Per-counter inputs	Two counting inputs plus strobe and set inputs

The dashboard places DP620 3BHT300016R1 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 DP620 3BHT300016R1

High-Speed Counter / Technical matrix

Manufacturer product ID	3BHT300016R1
ABB type designation	DP620
Counter channels	5
Input levels	5 V or 24 V DC
Maximum frequency class	Below 100 kHz
Per-counter inputs	Two counting inputs plus strobe and set inputs
Isolation	Inputs individually isolated
Modes	Up, down, frequency, differential, position and speed measurement

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 DP620 Exact Product Record and Advant Controller 110 Overview

REVISION NOTE

3BHT300016R1 / 3BDD 010 003R0003

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High-Speed Counter / Application architecture

Pulse accumulation

Counts supported 5 V or 24 V pulse trains for machine totals.

Frequency measurement

Converts repetitive field pulses into configured rate values.

Position and speed feedback

Processes documented directional input pairs for motion measurement.

Exact counter replacement

Restores mode, scaling and control-input assignments for the DP620 position.

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, DP620 3BHT300016R1 must be reviewed together with its assigned project data, field interfaces and the maintenance acceptance record.

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High-Speed Counter / Risk and decision register

PRIMARY RISK

A mismatch between the DP620 3BHT300016R1 label and the installed high-speed counter record.

CONFIGURATION RISK

Loss of the DP620 3BHT300016R1 project, mapping, wiring or interface baseline.

SELECTION RISK

Treating another S600 I/O item as automatically equivalent to DP620 3BHT300016R1.

RELEASE RISK

Returning DP620 3BHT300016R1 to control before diagnostics and functional response are witnessed.

Decision register

How many counters does ABB DP620 3BHT300016R1 provide?

The exact product record identifies five high-speed counter channels.

What frequency class applies to ABB DP620 3BHT300016R1?

The S600 overview states pulse counting below 100 kHz.

What inputs belong to each ABB DP620 3BHT300016R1 counter?

ABB describes two count inputs plus strobe and set control inputs.

How should ABB DP620 3BHT300016R1 shielding be checked?

Use the installed pulse-source and cabinet grounding design; do not create an unapproved second reference path.

Which electrical levels does ABB DP620 3BHT300016R1 support?

ABB documents 5 V or 24 V DC inputs.

Which measurement modes are documented for ABB DP620 3BHT300016R1?

The catalogue lists up, down, frequency, differential, position and speed measurement.

What must be retained before replacing ABB DP620 3BHT300016R1?

Keep level, mode, scaling, direction, preset, address and terminal records.

How is ABB DP620 3BHT300016R1 commissioned?

Apply a controlled pulse source and verify count, direction, frequency or motion value against the configured scale.

Decision closeout

Approve the DP620 3BHT300016R1 decision register only when identity, configuration, diagnostics and observed process behavior tell one consistent story.

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High-Speed Counter / Canonical record and support

Canonical identity	ABB DP620 3BHT300016R1
Product name	High-Speed Counter
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 AX561 1TNE968902R1301

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ABB BP03 7760052242

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MANUFACTURER EVIDENCE RECORD

ABB DP620 Exact Product Record and Advant Controller 110 Overview

3BHT300016R1 / 3BDD 010 003R0003

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

