

SNAT603CNT

Motor Controller Board

ABB SNAT603CNT, also marked SNAT 603 CNT, is a motor-controller and drive-control board for the ABB ACV700 family. Exact catalog records identify board code 61007041 and article number 57618078.

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
Complete model	SNAT603CNT
Product role	Motor Controller Board
System family	ABB ACV700

Document scope

Exact identity, verified technical data, applications, precautions, model-specific FAQ and controlled acceptance records.

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SNAT603CNT

Technical Specifications

PARAMETER	VERIFIED VALUE
Product identity	SNAT603CNT
Marking alias	SNAT 603 CNT
Board code	61007041
Article number	57618078

PARAMETER	VERIFIED VALUE
Product type	Motor controller / drive control board
System family	ABB ACV700
Catalog description	MOTR CNTRL BD
Hardware class	PCB control board

Engineering boundary

Confirm SNAT603CNT, 61007041 and 57618078 on the installed board. Record the revision, ACV700 assembly and all connector positions before replacement.

Identity Acceptance

CONTROL	VERIFIED VALUE
Product identity	SNAT603CNT
Marking alias	SNAT 603 CNT
Board code	61007041
Article number	57618078

Related Products

MODEL	APTER POWER PAGE
ABB 3HAC058040-001	View ABB 3HAC058040-001
ABB DSIH75VP 57310290-RD	View ABB DSIH75VP 57310290-RD
ABB UNS0121 A-Z V1 3BHE035301R0001	View ABB UNS0121 A-Z V1 3BHE035301R0001

Functions and Applications

Motor-control function Provides the documented motor-controller board role.	ACV700 integration Matches the control hardware used in the associated ABB ACV700 drive family.
Dual-number verification Uses board code 61007041 and article number 57618078 for exact identification.	Drive-control interface Maintains the documented board-level control and I/O relationships.

Common Applications

APPLICATION	ENGINEERING CONTEXT
ACV700 drive maintenance	Maintains the motor-controller board role in a compatible ABB ACV700.
Exact-board replacement	Replaces SNAT603CNT after both catalog numbers and the installed revision are confirmed.
Drive-control troubleshooting	Supports controlled diagnosis of the board-level motor-control path.
Legacy drive recommissioning	Restores the documented connectors and verifies drive status after replacement.

Related Products

MODEL	APTER POWER PAGE
ABB DCF803-0035	View ABB DCF803-0035
ABB ZCU-14 3AXD50000182992	View ABB ZCU-14 3AXD50000182992

Controlled acceptance duty

Confirm identity, interfaces, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify ABB SNAT603CNT, 61007041 and 57618078 before work.
2	Record the ACV700 type, board revision, slot and every connector.
3	Isolate power and verify stored energy has discharged.
4	Use ESD controls and follow the approved drive service procedure.
5	Do not substitute a nearby SNAT board from the family name alone.
6	Inspect the board, card guides and mating connectors before installation.
7	Restore all connections and retained settings exactly as recorded.
8	Verify drive diagnostics and a controlled motor-function test before release.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is ABB SNAT603CNT?	ABB SNAT603CNT is a motor-controller and drive-control board for the ACV700 family.
Which board code identifies ABB SNAT603CNT?	The documented board code is 61007041.
Which article number identifies ABB SNAT603CNT?	The documented article number is 57618078.
Which drive family uses ABB SNAT603CNT?	Catalog records associate the board with the ABB ACV700 family.

Related Products

MODEL	APTER POWER PAGE
ABB 3HAC058040-001	View ABB 3HAC058040-001
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ABB UNS0121 A-Z V1 3BHE035301R0001	View ABB UNS0121 A-Z V1 3BHE035301R0001
ABB DCF803-0035	View ABB DCF803-0035
ABB ZCU-14 3AXD50000182992	View ABB ZCU-14 3AXD50000182992

Model-Specific FAQ - Part 2

QUESTION	ANSWER
What does MOTR CNTRL BD mean for ABB SNAT603CNT?	It is the catalog description indicating a motor-controller board.
Can ABB SNAT603CNT replace another SNAT board automatically?	No. The two catalog numbers, revision, connectors and drive compatibility must be verified.
What must be recorded before removing ABB SNAT603CNT?	Record the ACV700 type, revision, slot, connector positions and retained settings.
What confirms ABB SNAT603CNT commissioning?	The exact identity, drive diagnostics and controlled motor-function test must match the approved record.

Related Products and Release

MODEL	APTER POWER PAGE
ABB 8241020	View ABB 8241020
ABB 0G0010.00-090	View ABB 0G0010.00-090
ABB AC10272001R0101 5SXE10-0181	View ABB AC10272001R0101 5SXE10-0181
ABB 5SHY35L4520 191091KB62211	View ABB 5SHY35L4520 191091KB62211
ABB 5SHX0845F0001 3BHL000385P0101	View ABB 5SHX0845F0001 3BHL000385P0101

MANUFACTURER SOURCE RECORDS

1. ABB Drive Troubleshooting Manual SNAT603CNT Reference
2. Industrial Catalog SNAT603CNT 61007041 57618078 ACV700 Record

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