

## Installation Identity and Scope

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.

| INSTALLATION IDENTITY | REQUIRED VALUE         |
|-----------------------|------------------------|
| Complete model        | SNAT603CNT             |
| Manufacturer          | ABB                    |
| Hardware role         | Motor Controller Board |
| System family         | ABB ACV700             |

### Controlled engineering copy

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

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SNAT603CNT

## Pre-Installation Plan

| NO. | REQUIRED ACTION                                                               |
|-----|-------------------------------------------------------------------------------|
| 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. |

## Before Energization

| CONTROL       | REQUIRED RECORD                                            |
|---------------|------------------------------------------------------------|
| Identity      | Complete SNAT603CNT marking and hardware role              |
| Connections   | Approved power, grounding and protocol interfaces          |
| Configuration | Controlled backup, addressing and protocol files           |
| Test plan     | Defined acceptance values and controlled restart authority |

## Related Products

| MODEL                                 | APTER POWER PAGE                                        |
|---------------------------------------|---------------------------------------------------------|
| ABB 3HAC058040-001                    | <a href="#">View ABB 3HAC058040-001</a>                 |
| ABB DSIH75VP 57310290-RD              | <a href="#">View ABB DSIH75VP 57310290-RD</a>           |
| ABB UNS0121 A-Z V1<br>3BHE035301R0001 | <a href="#">View ABB UNS0121 A-Z V1 3BHE035301R0001</a> |

### Release hold point

Do not disturb the installed device until exact marking, interfaces, companion hardware and configured function are documented.

## Wiring, Network and Configuration Checks

| CHECK               | MODEL-SPECIFIC REQUIREMENT             |
|---------------------|----------------------------------------|
| Board code          | 61007041                               |
| Article number      | 57618078                               |
| Product type        | Motor controller / drive control board |
| System family       | ABB ACV700                             |
| Catalog description | MOTR CNTRL BD                          |
| Hardware class      | PCB control board                      |

### Configuration boundary

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

## Expected Technical Values

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

## Related Products

| MODEL                         | APTER POWER PAGE                                |
|-------------------------------|-------------------------------------------------|
| ABB DCF803-0035               | <a href="#">View ABB DCF803-0035</a>            |
| ABB ZCU-14<br>3AXD50000182992 | <a href="#">View ABB ZCU-14 3AXD50000182992</a> |
| ABB 8241020                   | <a href="#">View ABB 8241020</a>                |

## Commissioning and Acceptance

| TEST             | ACCEPTANCE CONDITION                                                       |
|------------------|----------------------------------------------------------------------------|
| Identity         | Manufacturer and complete SNAT603CNT marking match the record.             |
| Power            | Measured supply agrees with the documented operating requirement.          |
| Interface        | Connectors, addressing and network parameters match the approved project.  |
| Configuration    | Protocol files, framing and mapped data areas match the controlled backup. |
| Diagnostics      | No unexplained status, counter or communication fault remains.             |
| Functional proof | Controlled bidirectional data transfer completes successfully.             |
| Release          | Final values and test results are retained with restart approval.          |

## Questions to Resolve

| QUESTION                                    | ENGINEERING 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.                                              |

## Related Products

| MODEL                                 | APTER POWER PAGE                                        |
|---------------------------------------|---------------------------------------------------------|
| ABB UNS0121 A-Z V1<br>3BHE035301R0001 | <a href="#">View ABB UNS0121 A-Z V1 3BHE035301R0001</a> |
| ABB DCF803-0035                       | <a href="#">View ABB DCF803-0035</a>                    |
| ABB ZCU-14<br>3AXD50000182992         | <a href="#">View ABB ZCU-14 3AXD50000182992</a>         |
| ABB 8241020                           | <a href="#">View ABB 8241020</a>                        |
| ABB 0G0010.00-090                     | <a href="#">View ABB 0G0010.00-090</a>                  |

## Source, Related Products and Release

| MODEL                                | APTER POWER PAGE                                       |
|--------------------------------------|--------------------------------------------------------|
| ABB AC10272001R0101<br>5SXE10-0181   | <a href="#">View ABB AC10272001R0101 5SXE10-0181</a>   |
| ABB 5SHY35L4520<br>191091KB62211     | <a href="#">View ABB 5SHY35L4520 191091KB62211</a>     |
| ABB 5SHX0845F0001<br>3BHL000385P0101 | <a href="#">View ABB 5SHX0845F0001 3BHL000385P0101</a> |
| ABB 3HAC058040-001                   | <a href="#">View ABB 3HAC058040-001</a>                |
| ABB DSIH75VP 57310290-RD             | <a href="#">View ABB DSIH75VP 57310290-RD</a>          |

### MANUFACTURER SOURCE RECORDS

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

## Controlled Release Summary

| RELEASE ITEM     | REQUIRED EVIDENCE                                   |
|------------------|-----------------------------------------------------|
| Identity         | SNAT603CNT recorded                                 |
| Interface        | Connections and companion hardware verified         |
| Configuration    | Installed values agree with approved record         |
| Functional proof | Controlled test completed without unexplained fault |

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