

# Product dashboard

Siemens 5136-DNS-200S is a DeviceNet slave adapter for the SIMATIC ET 200S distributed I/O system. It connects a DeviceNet network to ET 200S expansion modules and supplies the station backplane bus.

**Exact model**  
5136-DNS-200S

**Product type**  
DeviceNet Slave Adapter

**System family**  
SIMATIC ET 200S

**Functional role**  
Fieldbus Adapter

| PARAMETER          | DOCUMENTED VALUE        |
|--------------------|-------------------------|
| Exact model        | 5136-DNS-200S           |
| Module type        | DeviceNet slave adapter |
| I/O system         | SIMATIC ET 200S         |
| Bus protocol       | DeviceNet               |
| Transmission rates | 125 / 250 / 500 kbaud   |
| Network connector  | 5-pin DeviceNet         |
| Electronics supply | 24 V DC, Class 2        |
| DeviceNet supply   | 11-25 V DC              |

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

## CONTACT APTER POWER

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5136-DNS-200S

# System overview

Within a SIMATIC ET 200S station, Siemens 5136-DNS-200S manages the DeviceNet node identity, adapter data exchange and expansion-module configuration while reporting module, network and I/O status.

DeviceNet remote I/O

Connects an ET 200S station to a DeviceNet scanner while retaining the documented node and data rate.

User-configured I/O mapping

Supports a controlled input/output layout when AutoConfig is disabled and the retained map is restored.

Maintenance hot swap

Allows documented expansion-module replacement while the adapter maintains the station relationship.

Status-led diagnostics

Uses module, network and I/O indicators to separate adapter, bus and field-data conditions.

| SYSTEM POSITION    | RECORD        |
|--------------------|---------------|
| Installed identity | 5136-DNS-200S |

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5136-DNS-200S

## Technical data map

| PARAMETER           | VERIFIED VALUE                       |
|---------------------|--------------------------------------|
| Exact model         | 5136-DNS-200S                        |
| Module type         | DeviceNet slave adapter              |
| I/O system          | SIMATIC ET 200S                      |
| Bus protocol        | DeviceNet                            |
| Transmission rates  | 125 / 250 / 500 kbaud                |
| Network connector   | 5-pin DeviceNet                      |
| Electronics supply  | 24 V DC, Class 2                     |
| DeviceNet supply    | 11-25 V DC                           |
| DeviceNet current   | 75 mA maximum                        |
| Expansion modules   | 63 maximum                           |
| I/O address space   | 244 bytes input and 244 bytes output |
| Configuration modes | Automatic or user configured         |

| CONTROL BAND  | VERIFICATION RECORD                                                            |
|---------------|--------------------------------------------------------------------------------|
| Identity      | Exact model and complete label                                                 |
| Mechanical    | Form, seating and retention                                                    |
| Interfaces    | Power, wiring, communication and protection                                    |
| Configuration | Settings, project and revision                                                 |
| Release       | DeviceNet communication and expansion-I/O control in a matched ET 200S station |

Technical evidence record: DeviceNet ET 200S Distributed I/O System User Manual, publication 900-0054-21

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# Applications and precautions

1

Confirm the complete 5136-DNS-200S marking, DeviceNet node and installed ET 200S station before work.

2

Place the controller and field equipment in the approved maintenance state, then isolate and prove every affected circuit safe.

3

Record the node address, data rate, DIP-switch positions, module order and configuration mode before removal.

4

Verify the 24 V DC Class 2 electronics supply and the separate 11-25 V DC DeviceNet supply before reconnection.

5

Restore the five-pin DeviceNet connector with the documented polarity, shielding and trunk/drop arrangement.

6

Reinstall expansion modules in the recorded order and restore the retained automatic or user-configured I/O map.

7

Follow the documented power sequence before relying on automatic configuration or replacing a module under power.

8

Check module, network and I/O LEDs, exchange every configured byte and clear hot-swap or configuration mismatch diagnostics before release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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## Buyer and engineering FAQ

### What network role does Siemens 5136-DNS-200S perform in an ET 200S station?

It operates as the DeviceNet slave adapter between the network scanner and the station's ET 200S expansion modules.

### Which DeviceNet data rates can Siemens 5136-DNS-200S use?

The documented transmission rates are 125, 250 and 500 kbaud.

### How many expansion modules can Siemens 5136-DNS-200S operate?

The adapter supports a documented maximum of 63 expansion modules within the station limits.

### What input and output address capacity does Siemens 5136-DNS-200S support?

It supports up to 244 input bytes and 244 output bytes.

## Related Apter Power pages

**Siemens 6ES7131-6BF00-0BA0 Digital Input Module**

**Siemens 6ES7136-6BA00-0CA0 Fail-Safe Module**

**Siemens 6ES7155-6BU00-0CN0 Interface Module**

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