

# Siemens

## 6DP1230-8CC

### FUM 230 Analog Transmitter Conditioning Module

This reference defines the engineering boundary of the 6DP1230-8CC FUM 230 execution. It consolidates the documented current-input formats, transmitter-circuit choices, loop supply, channel processing and diagnostic resources without assigning site-specific settings.

#### System position

|                                                  |                                                         |                                                                      |                                                                       |
|--------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------|
| <div>Exact identity</div> <div>6DP1230-8CC</div> | <div>System family</div> <div>TELEPERM XP FUM 230</div> | <div>Functional role</div> <div>Signal Conditioning<br/>Module</div> | <div>Release basis</div> <div>Recorded test and<br/>diagnostics</div> |
|--------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------|

#### Control the identity boundary

Treat the complete model string, FUM 230 designation and receiving TELEPERM XP position as one controlled identity; a channel-count match by itself is not an acceptance basis.

| IDENTITY / RESOURCE      | DOCUMENTED VALUE                  |
|--------------------------|-----------------------------------|
| Exact model              | 6DP1230-8CC                       |
| Module designation       | FUM 230                           |
| Module type              | Analog signal-conditioning module |
| Input channels           | 16                                |
| Input signal             | 0/4 to 20 mA                      |
| Supported field circuits | 2-wire or 4-wire                  |

Technical evidence record: Siemens 6DP1230-8CC Data Sheet, 21 August 2017

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# Interfaces and integration

### Trace the installed signal path

Integration review proceeds from the host position through field-loop topology, configured processing and diagnostic response before any replacement decision is

|                    |                                   |
|--------------------|-----------------------------------|
| Exact model        | 6DP1230-8CC                       |
| Module designation | FUM 230                           |
| Module type        | Analog signal-conditioning module |

### Define the receiving position

The host review links the physical slot, companion hardware and retained engineering revision to the offered item.

|              |                                                    |
|--------------|----------------------------------------------------|
| Host         | TELEPERM XP FUM 230                                |
| Primary role | sixteen-channel analog transmitter acquisition and |
| Acceptance   | Recorded diagnostic response                       |

## Interface control matrix

| CONTROL BAND | VERIFICATION RECORD                   |
|--------------|---------------------------------------|
| Identity     | Model, designation and complete label |
| Mechanical   | Position, seating and retention       |
| Electrical   | Loop supply and field conductors      |
| Processing   | Range, limits and correction          |
| Supervision  | Supply, range and wire-break states   |
| Release      | Controlled test with retained result  |

### Configuration ownership

Keep assigned channel values under the approved project record.

### Acceptance ownership

Name the retained result that authorizes handover of the measurement path.

# Technical resource bands

Only capabilities tied to the exact execution appear here; operating assignments remain configuration-controlled.

| PARAMETER                | VALUE                             | PARAMETER           | VALUE                                   |
|--------------------------|-----------------------------------|---------------------|-----------------------------------------|
| Exact model              | 6DP1230-8CC                       | Transducer supply   | 24 V DC                                 |
| Module designation       | FUM 230                           | Limit values        | 4 per channel                           |
| Module type              | Analog signal-conditioning module | Signal correction   | Supported                               |
| Input channels           | 16                                | Monitoring          | Supply, range and wire-break conditions |
| Input signal             | 0/4 to 20 mA                      | Redundant operation | Suitable                                |
| Supported field circuits | 2-wire or 4-wire                  |                     |                                         |

**Label decision**

Accept the stated part number only when the complete installed identity agrees.

**Circuit decision**

Confirm the recorded field-circuit arrangement before reconnecting any loop.

**Processing decision**

Restore channel processing from the approved project rather than a neighboring position.

**Evidence decision**

Use diagnostic observations and a controlled response to support final handover.

## Engineering boundary

A similar faceplate or matching channel total does not prove interchangeability. Resolve the host position, connection scheme and controlled revision before use.

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# Controls and service logic

Acquisition resource

Sixteen documented input positions form the module's analog collection boundary.

Circuit selection

Each position is assigned to the recorded current range and two-wire or four-wire topology.

Channel processing

Limit evaluation and correction are retained as configuration-controlled resources.

Diagnostic supervision

Supply, range and conductor-fault indications are reviewed with the chosen execution.

## Service decision path

| STEP           | REQUIRED OUTCOME                                        |
|----------------|---------------------------------------------------------|
| 1. Identify    | Resolve label, designation and receiving position       |
| 2. Compare     | Review circuit type, processing and supervision         |
| 3. Restore     | Rebuild the recorded connection and configuration state |
| 4. Demonstrate | Retain diagnostic and functional acceptance evidence    |

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# Engineering decisions

## Which identifiers define this reference scope?

Use the full 6DP1230-8CC marking, FUM 230 designation and documented host position.

## How is channel evidence separated from cabinet settings?

Product capabilities belong to the module record; assigned ranges and limits remain in the site record.

## What does the listed transmitter supply establish?

It establishes the module-side loop-supply capability, not the complete cabinet power budget.

## Why are limits reviewed with correction settings?

Both resources influence the interpreted channel result and must be traced to the same configuration.

## How is a redundant execution identified?

Confirm both installed acquisition paths and their retained engineering relationship.

## What closes the technical acceptance review?

A matched identity record plus diagnostic and functional evidence closes the review.

## Related Apter Power pages

[Siemens 6DP1900-8AA - View product page](#)

[Siemens 6DP1210-8BC - View product page](#)

[Siemens 6DP1531-8AA - View product page](#)

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