

INDUSTRIAL AUTOMATION PRODUCT

353D4F1NNETNNA4

Siemens Moore Model 353 Process Automation Controller

Siemens 353D4F1NNETNNA4 is a Model 353 process automation controller for single- or multi-loop control, logic and sequencing applications. Its exact power, I/O, communications and option execution must be confirmed from the installed nameplate before replacement.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	Siemens Moore 353
Part number	353D4F1NNETNNA4
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Treat 353D4F1NNETNNA4 as the complete installed identity. The manufacturer Model 353 manuals document multiple power, I/O, communication and design-level executions, so record the nameplate, hardware design level, option boards, wiring, function-block configuration and communication parameters before removal; do not infer suffix options from a nearby order code.

System Role and Architecture

Siemens 353D4F1NNETNNA4 is a Model 353 process automation controller for single- or multi-loop control, logic and sequencing applications. Its exact power, I/O, communications and option execution must be confirmed from the installed nameplate before replacement.

FUNCTION 1
Configurable single- or multi-loop control

FUNCTION 2
Function-block logic and sequencing

FUNCTION 3
Analog, digital and relay field interfaces

FUNCTION 4
MODBUS serial communications

RELATED APTER POWER PAGES		
1 Siemens 6DR5310-0NG00-0AA0	2 Siemens 6DR5020-0NG13-0AA0	3 Siemens 6DR2004-1
4 Siemens 6DR2104-4	5 Siemens 6DR5013-0FN00-0AA3	6 Siemens 6DS1144-8AA
7 Siemens 6SL3350-6TK00-0EA0	8 Siemens RMS-TSG-TZ-C	9 Siemens 39RTMCAN 16207-61/10

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Siemens Moore 353
02	Documented Model 353 hardware design level and panel position
03	Installed option boards, terminals and field circuits
04	Saved function-block, tuning and communication configuration

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Siemens Moore 353
Interface role	Siemens Moore Model 353 Process Automation Controller
Field / power context	Nameplate power execution, installed options, field wiring and communications
Commissioning evidence	Identity, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm 353D4F1NNETNNA4 and the complete Model 353 nameplate.
- 2

Place every connected process loop and final element in the approved maintenance state.
- 3

Back up the function-block configuration, tuning, sequences, alarms and communications.
- 4

Record the power execution, design level, option boards, terminals and field ranges.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product family	Model 353 Process Automation Controller	Analog input ranges	1-5 Vdc or 4-20 mA with 250 ohm input
Control scope	Single-loop and multi-loop process applications	Analog outputs	4-20 mA into 800 ohm maximum
Functions	Control, logic, sequencing and operator indication	Digital input states	0-1 V off; 15-30 V on
Configuration	Front-panel configuration; model-dependent engineering	Digital outputs	30 Vdc maximum, 100 mA
Minimum scan time	20 ms	Relay outputs	5 A at 120 Vac or 2.5 A at 230 Vac
AC supply option	85-264 Vac, 47-63 Hz	Serial communications	Front RS-232 and rear RS-485 interfaces
DC supply option	24 Vdc, +20% / -15%	Protocol	MODBUS communications
Maximum power	25 W / 40 VA	Operating temperature	0 to +50 deg C
Transmitter supply	25 Vdc +/-3 V, 120 mA	Storage temperature	-40 to +85 deg C

RELATED PRODUCT PAGES		
1 Siemens 6DR5310-0NG00-0AA0	2 Siemens 6DR5020-0NG13-0AA0	3 Siemens 6DR2004-1
4 Siemens 6DR2104-4	5 Siemens 6DR5013-0FN00-0AA3	6 Siemens 6DS1144-8AA
7 Siemens 6SL3350-6TK00-0EA0	8 Siemens RMS-TSG-TZ-C	9 Siemens 39RTMCAN 16207-61/10

ENGINEERING BOUNDARY

Confirm 353D4F1NNETNNA4, complete nameplate, hardware design level, power execution, installed option boards, analog/digital/relay wiring, function-block configuration, tuning, sequences, alarms, communications and controlled acceptance evidence before commissioning.

PRE-INSTALLATION CHECKS

1 Confirm 353D4F1NNETNNA4 and the complete Model 353 nameplate.	2 Place every connected process loop and final element in the approved maintenance state.
3 Back up the function-block configuration, tuning, sequences, alarms and communications.	4 Record the power execution, design level, option boards, terminals and field ranges.

Applications and Engineering Context

Process-loop control

Executes documented regulatory and supervisory control functions.

Sequence and logic control

Coordinates configured function blocks and discrete conditions.

Operator process station

Provides local indication, commands and diagnostic access.

Legacy Model 353 replacement

Restores exact hardware, wiring and configuration records.

TECHNICAL NOTE

Treat 353D4F1NNETNNA4 as the complete installed identity. The manufacturer Model 353 manuals document multiple power, I/O, communication and design-level executions, so record the nameplate, hardware design level, option boards, wiring, function-block configuration and communication parameters before removal; do not infer suffix options from a nearby order code.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	353D4F1NNETNNA4 recorded
Host / carrier	Siemens Moore 353
Physical interface	Installed power, signal and communication interfaces matched to the as-found record
Configuration	Approved hardware and controller configuration restored
Functional proof	Diagnostics and controlled functional response recorded

IMPORTANT NOTICE

Confirm 353D4F1NNETNNA4, complete nameplate, hardware design level, power execution, installed option boards, analog/digital/relay wiring, function-block configuration, tuning, sequences, alarms, communications and controlled acceptance evidence

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Siemens 6DR5310-0NG00-0AA0

View Siemens 6DR5310-0NG00-0AA0 page

2

Siemens 6DR5020-0NG13-0AA0

View Siemens 6DR5020-0NG13-0AA0 page

3

Siemens 6DR2004-1

View Siemens 6DR2004-1 page

4

Siemens 6DR2104-4

View Siemens 6DR2104-4 page

5

Siemens 6DR5013-0FN00-0AA3

View Siemens 6DR5013-0FN00-0AA3 page

6

Siemens 6DS1144-8AA

View Siemens 6DS1144-8AA page

7

Siemens 6SL3350-6TK00-0EA0

View Siemens 6SL3350-6TK00-0EA0 page

8

Siemens RMS-TSG-TZ-C

View Siemens RMS-TSG-TZ-C page

9

Siemens 39RTMCAN 16207-61/10

View Siemens 39RTMCAN 16207-61/10 page

MANUFACTURER SOURCE RECORD

Siemens Moore Model 353 Process Automation Controller User Manual | Siemens UM353-1B Revision 4 with Software Release 2 documentation and Model 353 product catalog

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.