353D4F1NNETNNA4

Siemens Moore Model 353 Process Automation Controller

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	353D4F1NNETNNA4
Manufacturer	Siemens
System family	Siemens Moore 353
Record scope	Installation, application and verification

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01 PRE-INSTALLATION PLAN

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.
5. Isolate controller power and all analog, digital, relay and serial circuits.

MATCHED HARDWARE

- 353D4F1NNETNNA4 with complete nameplate identity
- Matched host, slot or panel position
- Documented power and field interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	353D4F1NNETNNA4 recorded
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product family	Model 353 Process Automation Controller
Control scope	Single-loop and multi-loop process applications
Functions	Control, logic, sequencing and operator indication
Configuration	Front-panel configuration; model-dependent engineering access
Minimum scan time	20 ms
AC supply option	85-264 Vac, 47-63 Hz
DC supply option	24 Vdc, +20% / -15%
Maximum power	25 W / 40 VA
Transmitter supply	25 Vdc +/-3 V, 120 mA
Analog input ranges	1-5 Vdc or 4-20 mA with 250 ohm input
Analog outputs	4-20 mA into 800 ohm maximum
Digital input states	0-1 V off; 15-30 V on
Digital outputs	30 Vdc maximum, 100 mA

RELATED PRODUCT PAGES

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

FIELD 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.

03 COMMISSIONING WORKFLOW

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.
5. Isolate controller power and all analog, digital, relay and serial circuits.
6. Restore the exact hardware options, wiring, function blocks and communication parameters.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	353D4F1NNETNNA4
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

04 RETURN-TO-SERVICE RECORD

- [ ] Isolate controller power and all analog, digital, relay and serial circuits.
- [ ] Restore the exact hardware options, wiring, function blocks and communication parameters.
- [ ] Review display, input, output, alarm and communication diagnostics after energization.
- [ ] Complete controlled I/O, sequence, alarm and closed-loop response tests before release.

VERIFICATION RECORD

PRODUCT IDENTITY	353D4F1NNETNNA4
INSTALLED POSITION	Documented automation-system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- [ ] Isolate controller power and all analog, digital, relay and serial circuits.
- [ ] Restore the exact hardware options, wiring, function blocks and communication parameters.
- [ ] Review display, input, output, alarm and communication diagnostics after energization.
- [ ] Complete controlled I/O, sequence, alarm and closed-loop response tests before release.

SOURCE IDENTIFIERS

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