

3RW4076-6BB44

SIRIUS Soft Starter

CONTROLLED ENGINEERING COPY

Siemens lists 3RW4076-6BB44 as discontinued from 2023-10-01 and identifies 3RW5076-6AB14 as the preferred successor. Verify the installed motor circuit, control supply, protection and settings before replacement or migration.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	3RW4076-6BB44
Manufacturer part	3RW4076-6BB44
Hardware type	3RW4076-6BB44
System family	Siemens SIRIUS 3RW40 motor-control system



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 3RW4076-6BB44 article number and the assigned SIRIUS S12 motor-control position before work.
- 2

Isolate the main motor circuit and the separate 230 V AC control supply, then verify a safe de-energized condition.
- 3

Confirm the motor rated current and application duty against the published 40 degC, 50 degC or 60 degC current rating.
- 4

Preserve the standard three-phase circuit arrangement; this article does not support an inside-delta connection.
- 5

Maintain the documented mounting orientation, cabinet airflow and Siemens installation clearances.

MATCHED HARDWARE

- three-phase motor and branch protection
- 230 V AC control circuit
- main bar and auxiliary screw terminals
- machine control and status circuits

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	3RW4076-6BB44 / 3RW4076-6BB44 recorded
Physical interface	three-phase motor and branch protection
Companion check	230 V AC control circuit
Functional proof	Integrates a bypass contact system for normal running
Application test	3RW4076-6BB44 controlled motor acceleration

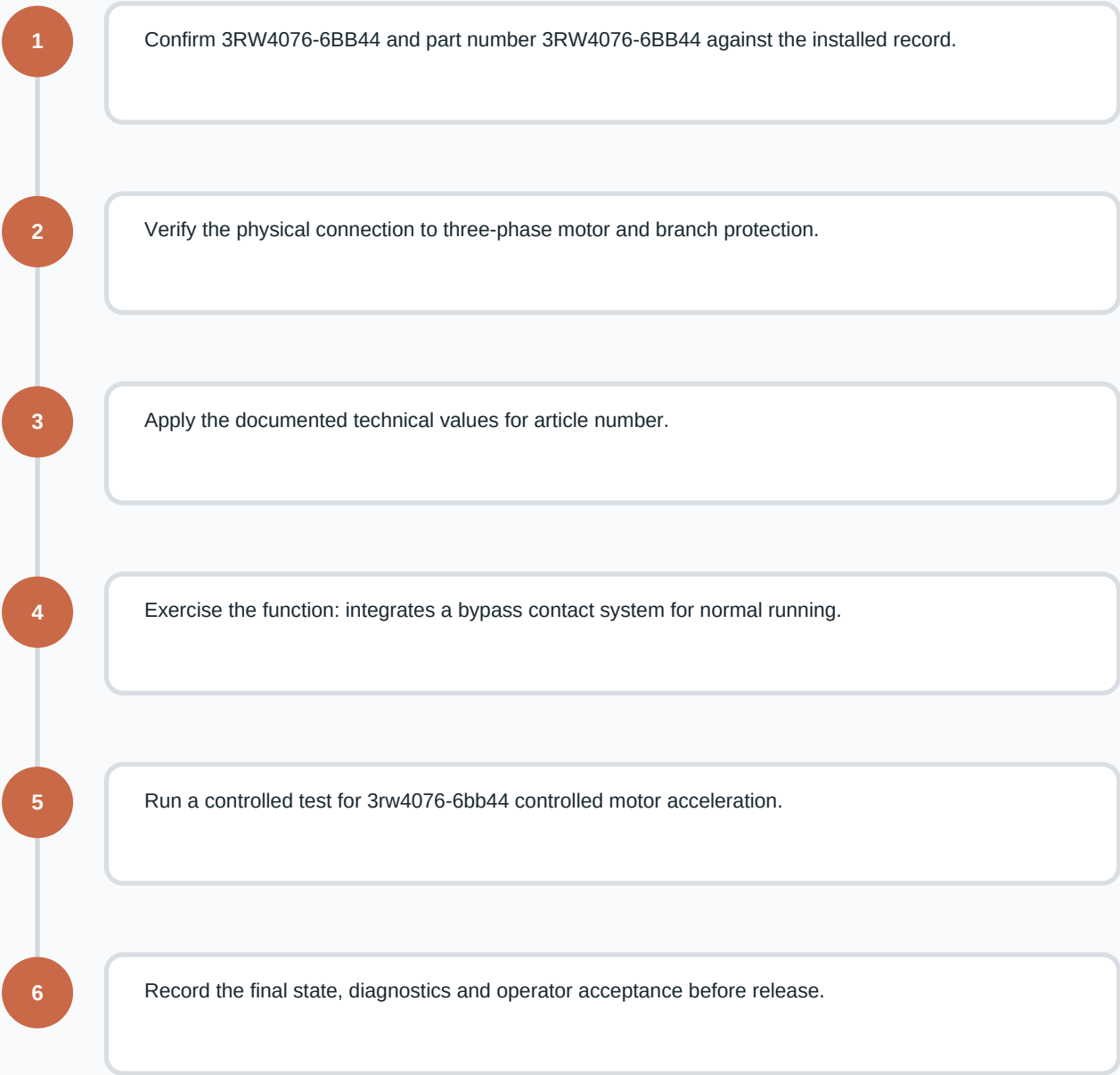
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	3RW4076-6BB44
Product line	SIRIUS
Product type	Soft starter
Device size	S12
Rated operational current at 40 degC	432 A
Rated operational current at 50 degC	385 A
Rated operational current at 60 degC	335 A
Motor output at 400 V and 40 degC	250 kW
Motor output at 230 V and 40 degC	132 kW
UL motor output at 220/230 V and 50 degC	150 hp
UL motor output at 460/480 V and 50 degC	300 hp
Operational voltage	200 to 460 V AC
Operational-voltage tolerance	-15% to +10%
Operational frequency	50 to 60 Hz

FIELD NOTE

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03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	3RW4076-6BB44 / 3RW4076-6BB44 recorded
Physical interface	three-phase motor and branch protection
Companion check	230 V AC control circuit
Functional proof	Integrates a bypass contact system for normal running
Application test	3RW4076-6BB44 controlled motor acceleration

04 RETURN-TO-SERVICE RECORD

- ☐
- Record every main bar terminal, control terminal and auxiliary contact before disconnecting conductors.
- ☐
- Restore the approved overload setting, starting-voltage ramp, current limit and stopping behavior from the machine record.
- ☐
- Commission the run, bypass and overload/failure indications, external reset and motor response before service release.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	3RW4076-6BB44
INSTALLED POSITION	Documented Siemens SIRIUS 3RW40 motor-control system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SL3210-1PE21-8AL0	SINAMICS G120 PM240-2 power module	View Siemens 6SL3210-1PE21-8AL0 page
Siemens 6SL3210-1PE31-8AL0	SINAMICS G120 PM240-2 power module	View Siemens 6SL3210-1PE31-8AL0 page
Siemens 6SL3210-1PE31-8UL0	SINAMICS G120 power module	View Siemens 6SL3210-1PE31-8UL0 page
Siemens 6SL3310-1GE35-0AA3	SINAMICS G130 power module	View Siemens 6SL3310-1GE35-0AA3 page
Siemens 6SL3120-2TE21-0AA4	SINAMICS S120 double motor module	View Siemens 6SL3120-2TE21-0AA4 page
Siemens 6SL3120-1TE13-0AA3	SINAMICS S120 single motor module	View Siemens 6SL3120-1TE13-0AA3 page
Siemens 6SL3320-1TE33-1AA3	SINAMICS S120 single motor module	View Siemens 6SL3320-1TE33-1AA3 page
Siemens 6SR4902-0AA00-0AM1	SINAMICS regenerative power cell	View Siemens 6SR4902-0AA00-0AM1 page

SOURCE IDENTIFIERS

Siemens 3RW4076-6BB44 Technical Data Sheet
3RW4076-6BB44, technical data revised 2025-04-01

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