Siemens 3RW4076-6BB44

01 Capture motor load and starting duty

Record the motor ratings, connection arrangement, acceleration duty and actual cabinet ambient conditions. Compare the required current with the temperature-dependent starter rating and the permitted motor range. Identify the retained motor-protection and starting settings before removing the installed unit.

Do not use a power rating at one voltage or ambient condition as an unrestricted allowance for another installation.

Acceptance observation	The sizing assessment matches the motor and real installation temperature.
Evidence to retain	Connection map and approved baseline
Release boundary	Use the applicable SIRIUS motor control instructions and the approved application acceptance criteria.

02 Verify main and control supply separation

Isolate the motor feeder and control supply through the approved procedure. Inspect the wiring against the intended in-line starter arrangement and the integrated bypass function. Confirm that the selected control voltage matches the unit before reconnection; similar housing dimensions do not establish electrical equivalence.

An inside-delta assumption or an incorrect control feed must be corrected before energizing this execution.

Acceptance observation	Main power, control power and motor connection remain correctly separated.
Evidence to retain	Isolation and supply assessment
Release boundary	Use the applicable SIRIUS motor control instructions and the approved application acceptance criteria.

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03 Restore standard-circuit wiring and protection

Restore the retained motor and protection configuration and inspect feeder and motor terminals. Keep the driven equipment in its permitted commissioning state. Verify that motor load and starting conditions are understood before adjusting current limitation or ramp settings to compensate for an unsuccessful start.

If acceleration does not complete, investigate load torque, voltage and settings rather than simply extending the test repeatedly.

Acceptance observation	The starter configuration is aligned with the actual motor and load.
Evidence to retain	Restored interface and configuration
Release boundary	Use the applicable SIRIUS motor control instructions and the approved application acceptance criteria.

04 Test acceleration and bypass operation

Conduct the approved start test while observing current, acceleration and transition to bypassed running. Compare the result with the expected mechanical response and the allowed start duty. Stop testing and investigate if the motor stalls, accelerates incorrectly or protection operates unexpectedly.

Repeated starts without adequate assessment can add thermal stress; a protection event should trigger diagnosis rather than repeated resetting.

Acceptance observation	The motor reaches the intended running state and bypass operation is established.
Evidence to retain	Measured response and diagnostic state
Release boundary	Use the applicable SIRIUS motor control instructions and the approved application acceptance criteria.

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05 Assess repeated-start thermal behavior

Verify the intended stop behavior and the separately engineered motor-protection response. Retain the final settings and observed current with the motor record. Where replacement planning involves the preferred successor, assess wiring, protection and application compatibility independently instead of treating the successor reference as a direct interchange instruction.

A successful unloaded start does not establish suitability for the required production load or repeated-start cycle.

Technical basis: Siemens product data sheet, 3RW4076-6BB44.

Related product navigation

- Siemens 6ES7223-1PL32-0XB0
- Siemens 6ES7414-2XL07-0AB0
- Siemens 6ES7134-6JD00-0CA1

Related products for separate application assessment; verify the platform and interface. No interchangeability is implied.