Siemens 6ES7405-0KA02-0AA0

01 Map the rack and feeder

1 Identify the actual power role

Record the full article number and confirm the standard PS 405 10A arrangement. Trace the DC feeder and rack supply position.

2 Separate the two rail budgets

Add the 5 V and 24 V demands of the installed modules independently. Correct an overloaded rail before attempting a replacement.

Feeder class	24 / 48 / 60 V DC within the specified ranges
Logic capacity	10 A
Auxiliary capacity	1 A

What is the effect of selecting 1 BATT instead of 2 BATT on 6ES7405-0KA02-0AA0?

The first setting monitors battery 1, while the second enables monitoring of both batteries. Match the selection to the actual backup arrangement and verify the intended alarms; the switch does not create a missing backup battery.

Siemens 6ES7405-0KA02-0AA0

02 Protect the retained configuration

1 Record the backup arrangement

Capture battery count, polarity, BATT.INDIC setting and any external backup path before disturbing the assembly.

2 Distinguish retention from operation

Assess what the CPU retains without rack power and follow the applicable service procedure. Do not assume the batteries support the operating loads.

Monitor setting	OFF, 1 BATT or 2 BATT as installed
Baseline	BAF and individual battery indications
Hold point	Unresolved backup or retention requirement

Can spare current capacity on the logic rail of 6ES7405-0KA02-0AA0 cover excess 24 V demand?

No. The rails have separate ratings and load paths. Recalculate the installed modules’ demand for each rail and correct the overloaded allocation rather than relying on a combined wattage or total-current estimate.

Siemens 6ES7405-0KA02-0AA0

03 Isolate and replace correctly

1 Use external feeder isolation

The standby switch does not disconnect incoming power. Verify isolation before removing or inserting the feeder connector.

2 Inspect the rack and cover

Check connector condition, module position, protective-earth arrangement and cover closure. Use the approved static-control precautions.

Connector	No handling under power
Standby	Output control only
Closure	Battery and control cover restored

What distinguishes a retained fault indication from an active overload on 6ES7405-0KA02-0AA0?

After an overload is removed, the rail indication may flash until FMR is pressed. Check actual load and rail state before acknowledgement; a continuing overload requires corrective action, not repeated resetting.

Siemens 6ES7405-0KA02-0AA0

04 Interpret rail and battery evidence

1 Observe before resetting

Record INTF, 5 V, 24 V and battery indicators. Check load and feeder conditions against the indicated combination.

2 Acknowledge after correction

Use FMR only after resolving the fault. Distinguish a retained flashing indication from an active electrical problem.

Rail result	Both expected supplies restored
Backup result	Monitoring agrees with installed batteries
Record	Before/after indication sequence

How should 6ES7405-0KA02-0AA0 be assessed if it still fails to restart after a corrected short circuit?

For this module, the recovery guidance calls for removing input power for five minutes when restart does not occur after a few seconds. Retest only after the fault and load are checked; continued failure requires further hardware assessment.

Siemens 6ES7405-0KA02-0AA0

05 Prove recovery and handover

1 Assess the restored load

Verify the rack starts normally and remains stable with its required modules. Apply the specified recovery interval if a corrected overload prevents immediate restart.

2 Retain the configuration evidence

Record article number, release, rail budgets, battery arrangement and final indications. Resolve any change from the original rack design before release.

Recovery	Expected start and stable rail status
Configuration	Standard supply role retained
Handover	Load and backup checks recorded

Other Siemens product references

Siemens 6ES7138-7EC00-0AA0

Siemens 6ES7155-6BU00-0CN0

Siemens 6ES7414-2XL07-0AB0

Separate product references; no substitution or compatibility is implied.