

ABB CMA130 3DDE300410

Controlled replacement field guide

Safe-work boundary

Treat the panel as part of the installed Synpol D cabinet. Use the plant-approved isolation procedure and retain the complete CMA130 / 3DDE300410 identity, revision, wiring orientation and system record.

Before work starts

- Record the complete CMA130 and 3DDE300410 markings before removal.
- Record the installed AE revision or other suffix exactly; do not assume revisions are interchangeable.
- Isolate the approved cabinet boundary before opening or disconnecting the panel.
- Photograph connector, ribbon-cable and grounding orientation before disturbance.
- Use ESD controls and protect the display and keypad surfaces during handling.

Contact Apter Power

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Share the exact CMA130 3DDE300410 nameplate, installed revision and cabinet record for a model-specific quotation.



CMA130 3DDE300410

Pre-installation readiness

Identity record	CMA130 and 3DDE300410 both match the approved work order.
Revision record	The full AE or other suffix is recorded from the installed label.
Cabinet record	Panel position, mating assembly and approved Synpol D configuration are available.
Connection record	Every plug, ribbon cable, grounding point and orientation is photographed.
Condition record	Display, keypad, PCB, connectors and cables are inspected before disturbance.
Acceptance plan	Display, keypad, status, alarm and operating-page checks are defined.

Hold point

Do not remove the panel when the installed revision, mating connector orientation or cabinet identity is unresolved. Resolve the record before disturbing the assembly.

Related ABB products on ApterPower

ABB CMA127 3DDE300407 Synpol D module	View ABB CMA127 3DDE300407
ABB CMA133 3DDE300413 Synpol D terminal module	View ABB CMA133 3DDE300413
ABB CMA135 3DDE300415 Synpol D diesel control module	View ABB CMA135 3DDE300415

Removal and installation sequence

01 Isolate

Apply the approved cabinet isolation and safe-work procedure.

02 Record

Capture nameplate, revision, connectors, ribbon routing and grounding.

03 Disconnect

Release keyed plugs and ribbon cables without twisting or pulling conductors.

04 Inspect

Check the mating assembly, cable ends and replacement panel condition.

05 Install

Seat the matched panel in the documented orientation without cable strain.

06 Reconnect

Restore every connection and grounding point against the captured record.

07 Close

Confirm no loose items, trapped cables or unseated connectors remain.

08 Authorize

Obtain controlled energization approval and proceed to commissioning.

Commissioning and acceptance

Power-up observation	Panel initializes without visible connector, display or keypad fault.
Display readability	Operating pages are stable and readable across the active display area.
Keypad response	Required page-navigation keys respond without sticking or unintended action.
Electrical values	Voltage, current, power, frequency and power factor pages are accessible.
Status review	Generator status and measured-data pages agree with the controlled test state.
Alarm/event access	Alarm and event pages open and retain the observed test evidence.
Plant status	Overall status is reviewed before the system is returned to service.

Release evidence

- Installed ABB CMA130 3DDE300410 identity and revision recorded.
- Connection and cabinet photographs retained with the work record.
- Display, keypad, operating values, status and alarm/event checks completed.
- Any unresolved message or mismatch escalated before release.

Diagnostics, maintenance and handover

What identifiers must be checked for ABB CMA130 3DDE300410 replacement?

Confirm both CMA130 and 3DDE300410, then retain the complete AE revision or other suffix shown on the installed unit.

What should be documented before removing ABB CMA130 3DDE300410?

Record the cabinet position, connector and ribbon-cable orientation, grounding, keypad/display condition and current alarm or status indications.

What commissioning checks apply to ABB CMA130 3DDE300410?

Confirm readable display pages, keypad response, expected operating values, alarm/event access and correct system status after controlled energization.

Can ABB CMA130 3DDE300410 be replaced by a visually similar panel?

Do not substitute by appearance alone; the complete model, part number, revision and installed Synpol D configuration must agree with the approved record.

Evidence record

ABB Review 2/1996

Synpol D power-management context and displayed operating/status data.

ABB Marine Products & Services

Synpol retrofit and generator power-management service context.

Exact-model field photography and nameplate record

CMA130, 3DDE 300 410, Synpol D, display, keypad and panel construction.

Related ABB products on ApterPower

ABB CMA136 3DDE300416

Synpol D communication module

[View ABB CMA136 3DDE300416](#)

ABB CMA137 3DDE300417

Synpol D additional-functions module

[View ABB CMA137 3DDE300417](#)

ABB CMA114 3DDE300013

Legacy Synpol control module

[View ABB CMA114 3DDE300013](#)