ABB NMFC03

Installation, Replacement & Verification Guide

ABB NMFC03 is a multi function controller for ABB Symphony Harmony.

01 Pre-removal controls

Confirm the full marking

Match NMFC03 and every visible revision or assembly identifier.

Preserve the as-found map

Record connectors, terminals, orientation and companion hardware before removal.

Apply the approved isolation

Use the complete system maintenance procedure and prove the required isolation.

Protect the hardware

Use ESD control and prevent mechanical load on connectors or board surfaces.

02 Ordering checks

Check 1	Include NMFC03 and any visible revision or assembly number on the enquiry and quotation.
Check 2	Request available label and connector or terminal photos. Have your maintenance team compare the offered NMFC03 with the installed equipment and applicable ABB documentation.

03 As-found record

Identity	Capture the complete NMFC03 marking and all visible revision identifiers.
Connections	Photograph connector, terminal, cable-tag and orientation details before disturbance.
Configuration	Retain the application, hardware setting or channel map that belongs to the installed system.
Baseline	Record the relevant diagnostic and functional state before removal.

04 Controlled service sequence

01 Review reference	Send the complete NMFC03 marking, installed-position photographs and required quantity.
02 Confirm offer	Confirm the offered revision, condition, included items and documented system fit in the quotation.
03 Arrange dispatch	Agree quantity, dispatch date and delivery details in the quotation.
04 Isolate	Apply the approved complete-system isolation and prove the required safe state.
05 Exchange	Protect connectors and hardware; reproduce the documented orientation and installed relationship.
06 Restore	Reapply only the approved wiring, settings and application records.
07 Verify	Use the manufacturer or site-approved staged procedure and compare results with the baseline.

08 Handover	Retain photographs, measurements, deviations and responsible acceptance.

05 Final precautions

Restore configuration deliberately

Reapply only the approved installed settings, wiring and application records.

Retain acceptance evidence

Keep label photographs, test results, deviations and responsible sign-off.

06 Commissioning record

Unit marking	Complete model, revision and visible assembly identity
Installed asset	Machine, cabinet, channel, drawing or host reference
Companion identities	Related boards, terminal hardware, cables or configured components
As-left result	Final diagnostic state and representative functional result
Approval basis	Applicable drawing, procedure or written customer requirement

Confirm the complete NMFC03 marking, installed relationship and required quantity with Apter Power.

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