3BHE041626R0101 PDD405 A101

ABB | PD D405 A101 CONTROL HUB

FUNCTIONAL POSITION

01 Installed ABB drive > 02 PD D405 control hub > 03 Project-fitted boards > 04 Optical / wired paths

APPLICATION AND COMPATIBILITY

ACS580MV control compartment

Use as the PD D405 hub position in an ACS580MV build that specifies the matching assembly and fitted boards.

Daughter-board integration

Carry the project-selected daughter boards in the control hub, preserving each installed slot assignment.

Optical control interconnection

Maintain the documented optical-link routing between the hub positions and their paired boards or drive equipment.

Installed-system restoration

Replace a like-for-like hub within a verified converter configuration, then validate the restored control path during commissioning.

ENGINEERING BOUNDARY

The order code identifies the offered A101 hub. Host-drive drawings and the fitted daughter-board population must be compared before approving a replacement; physical fit alone does not establish interchangeability.

Integration and procurement decisions

DOCUMENTED CONNECTION POSITIONS

X1 Power; +24 V figure label	**X2** Signal	**Y1–Y4** Optical links	**Hub** Eight fixing screws

QUESTIONS BEFORE RELEASE

Revision match

Does the installed hub revision and board population match the offered A101 execution?

Fault localization

Have optical paths and daughter boards been assessed before attributing a fault to the hub?

Supply scope

Are daughter boards, connectors and records itemized separately from the hub?

SERVICE ACCEPTANCE

Preserve original connections, refit to the approved host configuration, then compare diagnostics and control indications with the pre-service record.

RELATED ABB CATALOG ENTRIES

- ABB NDCU-11CK 64053868B
- ABB GINT-6611C 68577349
- ABB 1SFA664001R1001 TVOC-2-240

Catalog navigation only; these products are not confirmed substitutes.

EVIDENCE RECORD

ABB project electrical parts list, document 2UBB071990: complete part identity and five-slot description.

ABB ACS580MV Hardware Manual, 2UBB004520 Rev E: PD D405 hub diagram and control-compartment service procedure.

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