AMIKON TECHNICAL DOCUMENTATION

# Product Data Sheet

**SMIO-01C**

Drive Control I/O Board

| TYPE | REFERENCE | FAMILY | SCOPE |
|---|---|---|---|
| **Drive Control I/O Board** | **SMIO-01C** | **ACS550 Control Interface** | **Physical interface reference** |

ABB SMIO-01C is a drive control I/O board with analog, digital, relay and serial connections grouped along its edges. The open printed-circuit assembly brings these control interfaces together, rather than performing the main-circuit switching function of a separate inverter power board.

## 01 DOCUMENTED PRODUCT REFERENCE

| | |
|---|---|
| Base analog input channels | 2: AI1 and AI2 |
| Base analog output channels | 2: AO1 and AO2 |
| Base digital input channels | 6: DI1 to DI6 |
| Base relay output channels | 3 changeover contact groups |

Physical interface markings only; host-drive electrical ratings are not bare-board ratings.

## 02 TECHNICAL DATA

| | |
|---|---|
| Serial interface marking | RS485 |
| Field connection technology | Screw-clamp terminal blocks |
| Analog input selection | Board-mounted AI1/AI2 selector switches |
| Bus termination control | Board-mounted RS485 BUS TERMINATION switch |

## 03 APPLICATION AND CONFIGURATION

- SMIO-01C marking and actual revision
- Host-drive identification and required firmware
- Base I/O assignments and selector positions
- RS485 connection and termination requirements
- Use the applicable manufacturer safety and installation instructions.

## 04 SOURCE AND SCOPE

**Original ABB SMIO board markings and ACS550 common control-interface reference**

Eight physical interface characteristics verified against original SMIO-01C photographs. ACS550 manual used only as explicitly scoped connection/safety context. No bare-board supply, temperature, isolation, firmware or relay-contact rating inferred.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

**AMIKON PRODUCT SUPPORT**

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