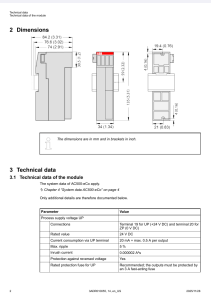


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

ABB DO562

Transistor Digital Output Module



OUTPUTS	VOLTAGE	PER CHANNEL	GROUP LIMIT
16 DO	24 V DC	0.5 A	8 A

ABB DO562 provides sixteen 24 V DC transistor outputs in one isolated group. Each channel is rated at 0.5 A, with an 8 A group limit and a two-byte output image for the controller.

01 VERIFIED PRODUCT PARAMETERS

Output-channel count	16 transistor digital outputs
Output isolation	One isolated group of 16 channels; isolated from the remainder of the module
Rated output voltage	24 V DC
Rated load current	0.5 A per output; 8 A maximum for the group
Minimum high-state voltage	UP minus 0.3 V at maximum load
Off-state leakage	Maximum 0.5 mA
Rated-load transition delays	Maximum 50 microseconds on; maximum 200 microseconds off
Lamp-load rating	Maximum 5 W per output
Load switching frequencies	Inductive: maximum 0.5 Hz; lamp: maximum 11 Hz at 5 W
Output data length	2 bytes

Technical values were verified against ABB 3ADR010055 revision 14, 2025-11-28, DO562 datasheet.

02 ADDITIONAL TECHNICAL DATA

Protection requirements	External 3 A fast-acting fuse per output; external demagnetization for inductive loads
Feedback and parallel operation	External 24 V feedback not permitted; output paralleling not permitted
Internal power dissipation	Maximum 1.4 W
Signal cable length	Maximum 500 m shielded or 150 m unshielded
Operating ambient	Horizontal: 0-60 C; vertical: 0-40 C with 50% digital-output derating

03 SYSTEM ROLE AND APPLICATIONS

Order 1SAP230900R0000 identifies DO562. These outputs are not short-circuit or overload protected. ABB requires external fast-acting fuses and external demagnetization for inductive loads; do not parallel channels or apply external voltage to an output.

- Inductive-load switching with external demagnetization and channel fuses.
- Low-power lamp switching within the documented 5 W and frequency limits.
- Resistive DC load control with independent output wiring and validated fault protection.

04 OFFICIAL INSTALLATION FACTS

- Isolate all supply and load circuits before mounting or changing the wiring.
- Select the specified nine-pin and eleven-pin terminal blocks; wire UP at terminal 19 and ZP at terminal 20.
- Install the required external fast-acting output fuses; DO562 has no internal output short-circuit or overload protection.
- Provide external demagnetization for every inductive load and observe the specified switching frequency.

05 OFFICIAL DOCUMENTATION

[ABB 3ADR010055 revision 14, 2025-11-28, DO562 datasheet](#)

AMIKON PRODUCT SUPPORT

Amikon Limited | INFO@AMIKON.CN