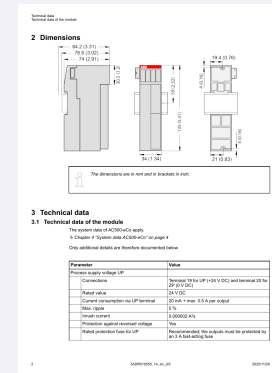


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

ABB DO562

Transistor Digital Output Module



PRODUCT	DO562
FAMILY	AC500 / S500-eCo I/O
FUNCTION	Transistor Digital Output Module
STATUS	Verify exact configuration

Prepared by Amikon Limited from ABB 3ADR010055 revision 14, 2025-11-28, DO562 datasheet. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

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

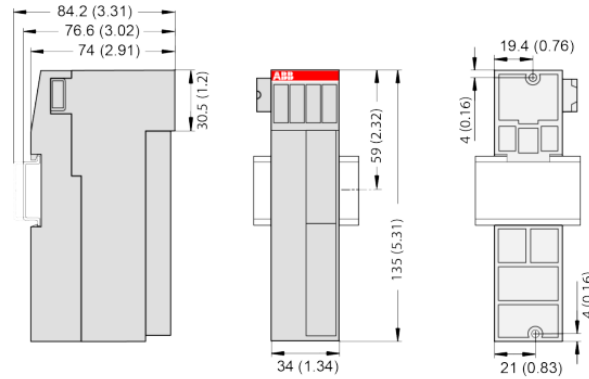
02 MOUNTING AND CONNECTION

- 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.
- Do not parallel output channels or backfeed an output from an external 24 V source.

OFFICIAL INSTALLATION REFERENCE

Technical data
Technical data of the module

2 Dimensions



The dimensions are in mm and in brackets in inch.

3 Technical data

3.1 Technical data of the module

The system data of AC500-eCo apply.

☞ Chapter 4 "System data AC500-eCo" on page 4

Only additional details are therefore documented below.

Parameter	Value
Process supply voltage UP	
Connections	Terminal 19 for UP (+24 V DC) and terminal 20 for ZP (0 V DC)
Rated value	24 V DC
Current consumption via UP terminal	20 mA + max. 0.5 A per output
Max. ripple	5 %
Inrush current	0.000002 A²s
Protection against reversed voltage	Yes
Rated protection fuse for UP	Recommended; the outputs must be protected by an 3 A fast-acting fuse

Official manufacturer reference reproduced from ABB 3ADR010055 revision 14, 2025-11-28, DO562 datasheet. Use the current source document and all referenced drawings and notes for installation.

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CABLE ROUTING AND CONNECTION

- 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.
- Do not parallel output channels or backfeed an output from an external 24 V source.
- Check the two-byte output image, load response and orientation-dependent current derating under controlled conditions.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Verify the two-byte output map and load response with the required external protection installed.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	ABB 3ADR010055 revision 14, 2025-11-28, DO562 datasheet
Product record	DO562
Manufacturer	ABB
Support	INFO@AMIKON.CN