AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

DO810 3BSE008510R1

S800 Digital Output Module

TYPE	REFERENCE	FAMILY	SCOPE
S800 Digital Output Module	**DO810**	**S800 I/O**	**Exact-model data**

ABB DO810 3BSE008510R1 is a sixteen-channel S800 I/O digital output module for nominal 24 V DC current-sourcing circuits. Two isolated groups of eight outputs include process-voltage supervision, while each output uses a protected high-side driver with channel-state indication and optical isolation.

01 DOCUMENTED PRODUCT REFERENCE

Output channels	16
Nominal output voltage	24 V DC
Maximum continuous output current	0.5 A per channel
Output signal type	Current sourcing, current limiting
Isolation arrangement	2 groups of 8 channels, isolated from ground
Maximum field cable length	600 m
Rated insulation voltage	50 V
Dielectric test voltage	500 V AC

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Power dissipation	2.1 W typical
5 V Modulebus current	80 mA
Operating temperature	0 to +55 deg C; approvals issued for +5 to +55 deg C
Storage temperature	-40 to +70 deg C
Relative humidity	5-95%, non-condensing
Protection rating	IP20, IEC 60529
MTU keying code	AA

03 APPLICATION AND CONFIGURATION

- DO810 and 3BSE008510R1 marking
- Current-sourcing loads within 0.5 A
- AA-keyed MTU and group field supplies
- Configured predetermined output states
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB DO810 official product data sheet, 2026-11-06

ABB DO810 official exported data sheet, 2026-11-06, pp. 1-2; MTU references pp. 2-3. Conflicting broad voltage-range entries are not used as definitive limits.

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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