AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

AO845 3BSE023676R1

S800 Analog Output Module

TYPE	REFERENCE	FAMILY	SCOPE
S800 Analog Output Module	**AO845**	**S800 I/O**	**Exact-model data**

ABB AO845 3BSE023676R1 is an eight-channel S800 I/O module for unipolar 4-20 mA output signals. It connects process-control commands to current-loop devices and supports either single or redundant arrangements, with group isolation from ground and cyclic internal diagnostics.

01 DOCUMENTED PRODUCT REFERENCE

Output channels	8, unipolar
Output signal range	4-20 mA
Resolution	12 bit
Maximum output load	750 ohm
Maximum field cable length	600 m
Output-filter response	Disabled: 23 ms (0-90%); enabled: max. 4 mA / 12.5 ms
Cycle time	10 ms
Maximum error at 25°C	0.1%

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Maximum temperature drift	50 ppm/°C
OSP timer settings	256 / 512 / 1024 ms
24 V process-supply current	218 mA with all 8 channels at 20 mA
5 V Modulebus current	125 mA maximum
Power dissipation	3.5 W at 250-ohm load, 70% nominal current, all channels active
Electrical isolation	One group isolated from ground; rated insulation 50 V
MTU mechanical keying	CC for AO845

03 APPLICATION AND CONFIGURATION

- AO845 and 3BSE023676R1 marking
- Single or redundant MTU arrangement
- CC mechanical keying
- HART filtering and shielded cabling
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB S800 I/O Modules and Termination Units, 3BSE020924-510 B

AO845/AO845A source section: printed pages 205-214; apply AO845 keying CC.

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

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM