

ABB ADVANT S800 I/O

Product Data Sheet

3BSE028588R1 DO880-1

digital output module

FUNCTION digital output module	FAMILY ABB Advant S800 I/O	ORIGIN Switzerland	WEIGHT 0.24 kg
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ABB Advant S800 I/O 3BSE028588R1 DO880-1 is a digital output module for the ABB Advant S800 I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Type	Digital Output
Signal specification	24 V d.c. (19.2 - 32 V d.c.), 0.5 A
Number of channels	16
Signal type	Current sourcing, current limiting
Exact Article Code	3BSE028588R1 DO880-1
Board Designation	DO880-1
Product Family	ABB Advant S800 I/O
Component Type	Digital Output Module
Assembly Class	ABB PCB assembly
System Interface	ABB Advant S800 I/O control interface

ADDITIONAL PRODUCT DATA

Control Supply	Documented rack control supply
Connector Interface	Keyed ABB board connectors
Installation Format	Plug-in control board
Signal Domain	Control and diagnostic signals
Service Position	Documented rack slot

OFFICIAL APPLICATIONS

- Support aeration control with Digital Output process control: For the coordinated operation of the blowers and dissolved-oxygen loops, 3BSE028588R1 DO880-1 serves its documented function as a digital output module. During changing oxygen demand, the system uses this function to adjust air delivery from process feedback, helping it stabilize treatment performance.
- Coordinate aseptic filling with Digital Output: At the control layer of the fillers and container conveyors, 3BSE028588R1 DO880-1 operates in its approved product-family role as a digital output module. During line-speed ramp, the system uses this function to keep container flow synchronized with filling demand, helping it move accepted containers toward inspection.
- Maintain boiler feedwater with Digital Output: In the automation chain for the feed pumps and drum-level loops, 3BSE028588R1 DO880-1 operates in its approved product-family role as a digital output module. During protective transfer, the system uses this function to balance flow demand with process inventory, helping it preserve the steam-water balance.

SYSTEM COMPATIBILITY

Match 3BSE028588R1 DO880-1 to the installed ABB Advant S800 I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Advant S800 I/O documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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