

ABB S800 I/O

Product Data Sheet

DO818 3BSE069053R1

32-channel digital output module

FUNCTION 32-channel digital output module	FAMILY ABB S800 I/O	ORIGIN Sweden	WEIGHT 0.25 kg
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ABB Advant AC800M DO818 3BSE069053R1 is a 32-channel digital output module for the ABB S800 I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Article Number	3BSE069053R1
Output Channels	32 channels arranged as 2 × 16
Nominal Output Voltage	24 V DC
Permitted Signal Range	12–32 V DC
Continuous Output Current	0.5 A per channel
Output Characteristic	Current sourcing with current limiting
Rated Insulation Voltage	50 V
Dielectric Test Voltage	500 V AC
Typical Power Dissipation	2.8 W
ModuleBus 5 V Current	70 mA typical

ADDITIONAL PRODUCT DATA

External 24 V Current	40 mA
Compatible MTUs	TU818, TU819 or TU830

OFFICIAL APPLICATIONS

- Switch 32 field loads from S800 I/O: Use the two isolated 16-channel groups for documented 24 V DC loads while observing the 0.5 A channel rating and common supply arrangement.
- Supervise field power and short circuits: Coordinate current limitation, short-circuit protection and process-voltage supervision with the AC 800M project and operator alarm strategy.
- Prove each output before process release: Force and verify every assigned channel, confirm load polarity and field voltage, then record the final module and channel diagnostics.

SYSTEM COMPATIBILITY

Match DO818 3BSE069053R1 to the installed ABB S800 I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB manufacturer documentation](#)

Manufacturer official documentation

AMIKON PRODUCT SUPPORT

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