ABB DO801 3BSE020510R1

COMPLETE PRODUCT INFORMATION / PUBLISHED-PAGE DOSSIER

ABB DO801 3BSE020510R1 is identified as a 16-channel digital output module for the ABB S800 I/O. The complete marking and installed interface arrangement must be matched together before replacement.

Product dashboard

Complete identity DO801 3BSE020510R1	**Product type** 16-Channel Digital Output Module
Condition New, original product	**System context** ABB S800 I/O

Public summary

Manufacturer part number	DO801 3BSE020510R1
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	9.3cm × 13.6cm × 5.1cm
Country of Origin	Sweden
Weight	0.2 kg

Technical capability map

Complete order code	DO801 3BSE020510R1
Equipment role	16-Channel Digital Output Module
System context	ABB S800 I/O
Article number	3BSE020510R1
Channels	16
Signal	24 V DC (12–32 V DC)
Output current	0.5 A
Output execution	Current sourcing and current limiting

Isolation	One group of 16, isolated from ground
Output supervision	Status indicators and OSP predetermined state
Protection	Short-circuit, overvoltage and overtemperature
Mechanics	S800L
Cable length	600 m maximum
Rated insulation	50 V
Dielectric test	500 V AC
Power dissipation	2.1 W typical
ModuleBus current	80 mA at 5 V

Overview

The complete DO801 3BSE020510R1 marking identifies the offered 16-channel digital output module. Record the removed item, host position and connected hardware so the comparison uses the actual installed boundary rather than a shortened family name.

Within the ABB S800 I/O, evaluate this item together with its carrier, terminals, cables and project or hardware settings. Preserve the as-found interface map and revision evidence; a mechanically similar item is not automatically equivalent.

Commissioning should progress from identity and connection checks to controlled power-up, diagnostics and functional proof. Keep the final status, test conditions and open exceptions in the handover record.

Applications / Compatibility

System position: DO801 3BSE020510R1 is evaluated within the documented ABB S800 I/O architecture. Compatibility boundary: Match the complete marking, hardware execution and installed interfaces before replacement.

Installed-system replacement

Compare the exact code, host position and connected interfaces with the removed item.

Planned maintenance

Capture the as-found label, status and configuration before disturbing the installation.

Controlled commissioning

Restore documented connections and prove the intended signal, communication or control response.

Spare qualification

Keep revision, configuration and acceptance evidence with the spare-part record.

Product Precautions

Verify the complete identity

Check every token in DO801 3BSE020510R1 against the offered label and approved record.

Isolate the work boundary

Follow the site procedure for stored energy, field power and electrostatic handling.

Record connections

Photograph and label carriers, terminals, cables and keying before removal.

Preserve configuration

Archive applicable ABB S800 I/O settings before replacement.

Inspect mating hardware

Check connectors, terminal blocks, carriers and cable condition before blaming the module.

Prove the result

Use an approved functional test and retain as-left diagnostic and acceptance evidence.

Engineering decisions

How should DO801 3BSE020510R1 be identified before a replacement is approved?	Compare every token in the complete marking, installed position and documented 16-channel digital output module role. Confirm the physical label before approval.
What evidence should be retained before removing DO801 3BSE020510R1?	Record the mounting position, connected interfaces, status indications and current ABB S800 I/O configuration. Photograph the complete label before disconnection.
How should the interfaces for DO801 3BSE020510R1 be checked during installation?	Map each connector, terminal and cable to the as-found record and applicable manufacturer documentation. Preserve keying and shielding arrangements.
What configuration boundary matters when commissioning DO801 3BSE020510R1?	Use the approved ABB S800 I/O record and exact hardware execution. Physical fit alone does not prove configuration or interface equivalence.
How can a suspected DO801 3BSE020510R1 fault be separated from wiring or carrier faults?	Verify supply and reference conditions, then inspect mating hardware and external wiring. Use controlled substitution only after both signal paths are documented.
What should be verified after fitting DO801 3BSE020510R1?	Confirm normal indications, communication or signal continuity and the intended controlled-system response under an approved test state.
Can DO801 3BSE020510R1 be replaced by a similar-looking assembly?	No direct equivalence is established by appearance. Compare the complete code, revision, interface execution and installed configuration.
What handover record is appropriate after work on DO801 3BSE020510R1?	Retain offered and removed markings, connection photographs, configuration evidence, diagnostics, functional-test results and unresolved exceptions.

Lifecycle Status

DO801 3BSE020510R1 status	A current lifecycle phase for this complete order code has not been confirmed.
Support and replacement	Match the complete identity, hardware execution and installed configuration when planning service.
Apter Power availability	The offered quantity and dispatch date are confirmed in the quotation.

Available Unit Details

Offered reference	ABB DO801 3BSE020510R1. Condition: New, original product.

Identity check	Verify DO801 3BSE020510R1 against the installed marking, revision and interface execution.
Included items	Confirm the assembly, terminal hardware, cables and accessories in the quotation.

Alternative Names

ABB DO801 Digital Output Module | ABB 3BSE020510R1 DO801

Ordering checks

Match the complete marking	Compare DO801 3BSE020510R1 with the installed label and applicable ABB documentation.
Check the offered item before ordering	Request photos of the offered DO801 3BSE020510R1 and compare markings, interfaces and included items with the installed unit.

Technical notes

Evidence scope	The ABB product page and data sheet state the exact article number, channel arrangement, electrical limits, protection and mechanics.
Installation boundary	The exact installed carrier, terminals, cables and project configuration remain site-specific.
Technical reference	ABB DO801 product data sheet 3BSE020510R1

What happens after you enquire

Review your reference	Send the complete DO801 3BSE020510R1 marking, quantity and installed-system context.
Confirm the offer	Review the offered identity, condition, included items and delivery details.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

Downloads

Technical reference, installation and commissioning guide, and this complete product information dossier.

Discuss the complete marking with Apter Power
sales13@apterpower.com | +86 18030235313

Related product references

Catalogue navigation only; these references are not identified as substitutes or compatibility claims.

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