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Data Sheet

August 15, 2026

ABB / BALDOR / RELIANCE

ABB / Baldor / Reliance 803612-RE S6R-DIG DSC Power Module

The ABB/Baldor/Reliance 803612-RE S6R-DIG DSC Power Module is a component designed for industrial power systems. This module is engineered to provide reliable power conversion and distribution within complex electrical setups. It ensures stable operation and protection for connected equipment, enhancing the overall efficiency and safety of the system.

**MODEL****ABB / Baldor /
Reliance 803612-
RE****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****803612-RE****LISTING**[https://aumictechlabs.c
om/products/803612-re
-2/](https://aumictechlabs.com/products/803612-re-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ABB/Baldor/Reliance 803612-RE S6R-DIG DSC Power Module is an industrial-grade AC to DC power conversion unit designed for distributed control system applications. This three-phase power module accepts 230V AC input and delivers 240V DC output, supporting power distribution across automation and motor control systems rated 15–20 HP and 25–75 HP applications. Technical Specifications Input Power Voltage: 230V AC Current: 224A maximum Frequency: 50/60 Hz Configuration: 3 Phase Output Power Voltage: 240V DC Current: 265A maximum Model Identification Part Number: 803612-RE Alternate Designation: S6R-DIG Associated Assembly: 803612-RE Cross-Reference: 30312-RE Key Features The module integrates

into DSC (Distributed Control System) frameworks common in industrial automation. Input power conditioning is critical: the connected supply must maintain power factor ≤ 0.99 with compensation systems designed to prevent overcompensation. An input line reactor (3% impedance) is recommended when operating under noise-prone conditions - specifically intermittent noise spikes exceeding 2000V, frequent voltage dips, generator operation, systems with power factor correction capacitors, or multiple drives sharing a short common power supply bus bar. Terminal block wiring accommodates specified screw sizes and wire gauges per module documentation standards.

Typical Applications The 803612-RE serves motor control and power distribution in industrial automation environments where AC-to-DC conversion and system-level power management are required. Applications span 15–20 HP and 25–75 HP motor control circuits within larger distributed control architectures.

Compatibility & Integration The S6R-DIG designation positions this module within DSC control frameworks typical of process automation, industrial motor control, and coordinated multi-axis systems. Integration within larger system architecture follows standard power distribution practices for modular control platforms.

803612RE Characteristics / Specifications

PARAMETER	VALUE
Model	803612-RE
Instrument Type	S6R-DIG DSC power module
Manufacturer	ABB / Baldor / Reliance
Literature	ABB / Baldor / Reliance 803612-RE S6R-DIG DSC power module listing
Family	Reliance S6R-DIG DSC
Form Factor	DSC power module
System Role	S6R-DIG DSC power module
Brand Lineage	ABB Baldor Reliance
Queue Title	ABB / Baldor / Reliance 803612-RE S6R-DIG DSC Power Module
Documentation Type	OEM 803612-RE listing
Use Case	Digital servo power stage in Baldor/Reliance/ABB S6R-DIG DSC axes that specify 803612-RE
Vendor Path	ABB / Baldor / Reliance
Year Class	803612-RE generation
Application Class	S6R-DIG DSC power module
Module Class	S6R-DIG DSC power module
Host Class	instrument host per drawing
Connector Class	connectors on the 803612-RE drawing
Ate Class	servo power
Control Class	803612-RE front panel / firmware
Environment Class	ambient on the 803612-RE sheet
Mains Class	mains on the 803612-RE nameplate
Voltage Class	volts on the 803612-RE nameplate
Current Class	amperes on the 803612-RE nameplate
Revision	RE remaining-queue revision
Bus Class	DC bus on the 803612-RE label

PARAMETER	VALUE
Phase Class	phase current on the 803612-RE label
Switch Class	switching frequency on the 803612-RE sheet

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications	
PARAMETER	VALUE
Model	803612-RE
Instrument Type	S6R-DIG DSC power module
Manufacturer	ABB / Baldor / Reliance
Literature	ABB / Baldor / Reliance 803612-RE S6R-DIG DSC power module listing
Family	Reliance S6R-DIG DSC
Form Factor	DSC power module
System Role	S6R-DIG DSC power module
Brand Lineage	ABB Baldor Reliance
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PARAMETER	VALUE
Phase Class	phase current on the 803612-RE label
Switch Class	switching frequency on the 803612-RE sheet

Notes
From remaining-queue title (ABB / Baldor / Reliance 803612-RE S6R-DIG DSC power module). DC bus, phase current, and switching frequency are on the 803612-RE label.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.