

1MRK002239-BBR03

Relion 670 Series Power Supply Module

ABB 1MRK002239-BBR03 is a Relion 670 Series power supply module based on the documented 1MRK002239-BB 90-250 V DC execution. It supplies the installed protection-and-control IED hardware through the approved terminal arrangement.

BRAND	ABB	FAMILY	ABB Relion 670 protection and control IED
PART	1MRK002239-BBR03	SYSTEM ROLE	Supplies the installed Relion 670 IED

APTER POWER SALES
TEAM

WHATSAPP / PHONE
+86 180 3023 5313
EMAIL sales13@apterp
ower.com
WEBSITE
www.apterpower.com



1MRK002239-BBR03

MANUFACTURER SOURCE RECORD

Relion 670 Series product guide and hardware ordering information
Hitachi Energy Relion 670 Series

Product Overview

SYSTEM FUNCTION

ABB 1MRK002239-BBR03 is a Relion 670 Series power supply module based on the documented 1MRK002239-BB 90-250 V DC execution. It supplies the installed protection-and-control IED hardware through the approved terminal arrangement.

FUNCTION 1

Supplies the installed Relion 670 IED

FUNCTION 2

Uses the documented high-voltage DC supply execution

FUNCTION 3

Preserves the approved IED power-module position

FUNCTION 4

Supports controlled protection-system restart

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	ABB Relion 670 protection and control IED
Primary interface	Supplies the installed Relion 670 IED
Engineering context	The module is installed in the approved Relion 670 hardware position and interfaces the station auxiliary supply with the IED power rails. Commissioning confirms identity, terminal execution, polarity, grounding and controlled IED restart.
Commissioning duty	Complete a controlled protection-system functional check before return to service.

TECHNICAL NOTE

Match 1MRK002239-BBR03 to the installed Relion 670 hardware execution and record supply conductors, terminal style, protective grounding and module position before removal. Restore the approved wiring and verify IED startup and power diagnostics before protection release.

Technical Data

PARAMETER	VALUE	PARAMETER	VALUE
Base ordering number	1MRK002239-BB	Supply range	90-250 V DC
Module type	Power supply module	System family	Relion 670 Series

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
ABB 3BSE004725R1-DSTD196	Related Apter Power product	View ABB 3BSE004725R1-DSTD196 page
ABB DSTY101-57120001-KY	Related Apter Power product	View ABB DSTY101-57120001-KY page
ABB SPA-ZC-402	Related Apter Power product	View ABB SPA-ZC-402 page
ABB SPA-ZC-400	Related Apter Power product	View ABB SPA-ZC-400 page
ABB SDCS-PIN-H51	Related Apter Power product	View ABB SDCS-PIN-H51 page
ABB NTAC-02	Related Apter Power product	View ABB NTAC-02 page
ABB NISA-03	Related Apter Power product	View ABB NISA-03 page
ABB NAOM01	Related Apter Power product	View ABB NAOM01 page

ENGINEERING BOUNDARY

Confirm ABB 1MRK002239-BBR03, base order 1MRK002239-BB, Relion 670 host, 90-250 V DC supply, terminal execution, polarity, grounding, hardware position and controlled startup diagnostics before commissioning.

Applications and Precautions

Common Applications

Relion 670 IED power restoration

Restores the documented power-supply position in a protection IED.

Substation protection maintenance

Supports controlled replacement without changing the IED function configuration.

Bay-control hardware service

Preserves auxiliary power and terminal identity during planned maintenance.

Protection-panel recommissioning

Provides the exact module identity for startup and diagnostic verification.

Product Precautions

- 1

Confirm ABB 1MRK002239-BBR03 and base ordering number 1MRK002239-BB.
- 2

Place the protected primary equipment and IED in the approved maintenance state.
- 3

Isolate the auxiliary supply and prove the module terminals de-energized.
- 4

Record every supply conductor, terminal designation, polarity and protective-earth connection.
- 5

Confirm the installed Relion 670 hardware position and terminal execution.
- 6

Restore the documented conductors and approved IED hardware arrangement.
- 7

Energize under control and review IED power, self-supervision and communication diagnostics.
- 8

Complete a controlled protection-system functional check before return to service.

IMPORTANT NOTICE

Confirm ABB 1MRK002239-BBR03, base order 1MRK002239-BB, Relion 670 host, 90-250 V DC supply, terminal execution, polarity, grounding, hardware position and controlled startup diagnostics before commissioning.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	1MRK002239-BBR03
Configuration	Energize under control and review IED power, self-supervision and communication diagnostics.
Functional release	Complete a controlled protection-system functional check before return to service.

Engineer FAQ

Q1 How should supply range be verified for ABB 1MRK002239-BBR03?

Confirm ABB 1MRK002239-BBR03, base order 1MRK002239-BB, Relion 670 host, 90-250 V DC supply, terminal execution, polarity, grounding, hardware position and controlled startup diagnostics before commissioning.

Q3 What must be preserved for IED power-up when servicing ABB 1MRK002239-BBR03?

Record every supply conductor, terminal designation, polarity and protective-earth connection.

Q5 What official check applies to input isolation for ABB 1MRK002239-BBR03?

Confirm the installed Relion 670 hardware position and terminal execution.

Q7 Which diagnostic confirms startup diagnostics for ABB 1MRK002239-BBR03?

Energize under control and review IED power, self-supervision and communication diagnostics.

Q2 Which record controls terminal execution on ABB 1MRK002239-BBR03?

Match 1MRK002239-BBR03 to the installed Relion 670 hardware execution and record supply conductors, terminal style, protective grounding and module position before removal. Restore the approved wiring and verify IED startup and power diagnostics before protection release.

Q4 How is protective grounding isolated before work on ABB 1MRK002239-BBR03?

Place the protected primary equipment and IED in the approved maintenance state. Isolate the auxiliary supply and prove the module terminals de-energized.

Q6 How is connector record restored after fitting ABB 1MRK002239-BBR03?

Restore the documented conductors and approved IED hardware arrangement.

Q8 What proves replacement evidence is accepted for ABB 1MRK002239-BBR03?

Complete a controlled protection-system functional check before return to service.

MANUFACTURER SOURCE RECORD

Relion 670 Series product guide and hardware ordering information
Hitachi Energy Relion 670 Series

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



1MRK002239-BBR03