ABB 63NHG00B-690 3ABD0001782

NH00 Low-Voltage HRC Fuse Link

ABB supplied reference 3ABD0001782 identifies the 63NHG00B-690 NH00 low-voltage HRC fuse link, rated 63 A at 690 V AC with gL/gG utilization and 120 kA breaking capacity.

01 Product identity and selection data

Complete model	63NHG00B-690 3ABD0001782
Product type	NH00 Low-Voltage HRC Fuse Link
Manufacturer	ABB
System / platform	ABB low-voltage fuse protection assemblies

02 Exact-model technical capability map

ABB supplied reference	3ABD0001782
Fuse technology	NH00 low-voltage HRC fuse link
Rated current	63 A
Rated voltage	690 V AC
Utilization category	gL/gG
Breaking capacity	120 kA

Construction size	NH00
Status indication	Dual combination indicator
Gripping-lug execution	Live metal gripping lugs
Contact format	Square body with knife-blade contacts
Fuse-system standard	IEC 60269-2

03 Engineering role and selection boundary

Full-range branch protection

The gG characteristic provides overload and short-circuit protection for the documented low-voltage circuit.

NH00 knife-contact format

Fuse body, live gripping lugs and holder geometry must agree with the installed base.

Dual indication

The combination indicator supports visual fuse-state checks while electrical isolation is still proven separately.

Exact marking

Approve the complete order reference only after the installed interfaces and companion hardware agree.

Technical basis	ABB supplied reference 3ABD0001782 with verified exact-model NH00 electrical data
Installed relationship	ABB low-voltage fuse protection assemblies
Release gate	Resolve identity, interface and compatibility differences in the written offer before release.

04 Engineering overview and system application

The complete 63NHG00B-690 marking defines an NH00 fuse link rated 63 A at 690 V AC with gL/gG utilization, dual indication and 120 kA breaking capacity.
Procurement checks the ABB supplied reference, fuse-body marking, holder size, live gripping-lug execution, knife contacts and indicator arrangement before release.
Replacement requires approved NH-fuse isolation and personal-protection controls. Inspect holder contact pressure, heat discoloration and the downstream fault before installing the new fuse.

Application map

NH00 low-voltage protection
Use only in a documented NH00 holder whose circuit rating and fuse coordination agree.

Full-range circuit protection
Retain the 63 A, 690 V AC gL/gG protection characteristics.

High-fault-level assemblies
Confirm the 120 kA breaking-capacity requirement and upstream coordination.

Installed-spare verification
Match ABB reference, complete fuse marking, holder geometry and indicator execution.

Lifecycle and available-unit boundary

Lifecycle status	Current fuse technology used as an ABB mapped spare
Supply scope	the 63NHG00B-690 3ABD0001782 nh00 low-voltage hrc fuse link; companion hardware only when itemized
Dispatch	Swift global dispatch
Selection basis	Complete marking, installed relationship and written quotation

Technical notes and evidence boundary

Exact identity	63NHG00B-690 3ABD0001782
Documented function	NH00 Low-Voltage HRC Fuse Link
Technical evidence	documented NH exact-model product data for 63NHG00B-690 and ABB supplied reference 3ABD0001782
Evidence boundary	Only the documented ABB spare-parts supply mapping with documented NH fuse technology relationship and stated exact-model values are applied
Commissioning record	Retain installed markings, configuration and functional proof

Additional verified exact-model data

Evidence scope	No adjacent-model value is applied without a documented exact-model relationship.

05 Installation and product precautions

Confirm two identities
Match ABB spare reference and documented fuse marking.

Use NH-fuse PPE
Follow the approved arc-flash and extraction procedure.

Inspect the holder
Check contacts, pressure, insulation and heat damage.

Clear the fault
Resolve overload or short circuit before replacement.

Match the full rating
Verify NH00, 63 A, 690 V, gG and 120 kA.

Document re-energization
Record the final circuit and thermal checks.

Controlled verification sequence

01 Record	Send the complete 63NHG00B-690 3ABD0001782 marking, revision labels, current-unit photographs and installed position.
02 Isolate	Apply the approved isolation and prove the safe state before disturbing the installed arrangement.
03 Compare	Reconcile the complete marking, interfaces, companion hardware and approved system record.
04 Prove	Compare the offered 63NHG00B-690 3ABD0001782 interfaces, ratings and included items with the approved system record before ordering.
05 Handover	Retain photographs, settings, readings, diagnostics and accepted deviations.

Engineering decision questions

How should the 120 kA breaking-capacity requirement be checked for 63NHG00B-690 3ABD0001782?
Confirm the prospective fault level and the approved upstream/downstream coordination before release.

Which holder details must match 63NHG00B-690 3ABD0001782?
Confirm NH00 geometry, knife contacts, live gripping-lug execution, contact pressure and indicator visibility.

Why is gL/gG utilization important for 63NHG00B-690 3ABD0001782?
The full-range characteristic covers overload and short-circuit protection in the documented low-voltage circuit.

What should be inspected after a 63NHG00B-690 3ABD0001782 operation?
Clear the original fault and inspect holder contacts, heat discoloration, insulation and conductor condition.

Verified related product pages

Recommended product	ABB PM511V16 3BSE011181R1
Recommended product	ABB F4332D 3HAC024322-001
Recommended product	ABB 170M5388/PC72UD13C250T 3AUA0000090404
Recommended product	ABB 170M6467 3AUA0000062487

Discuss the complete marking and installed application with Apter Power

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Scan the approved QR code for direct contact and quotation support.