63NHG00B-690 3ABD0001782 Technical Reference

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 Source-to-marking review

Order reference	63NHG00B-690 3ABD0001782
Hardware class	NH00 Low-Voltage HRC Fuse Link
Installed family	ABB low-voltage fuse protection assemblies
Manufacturer identity	ABB
Technical basis	ABB supplied reference 3ABD0001782 with verified exact-model NH00 electrical data
Use limit	Apply only to the complete marking and documented installed relationship

02 Technical evidence matrix

ABB supplied reference	3ABD0001782	Confirm abb supplied reference against the delivered label or installed record.
Fuse technology	NH00 low-voltage HRC fuse link	Confirm fuse technology against the delivered label or installed record.
Rated current	63 A	Confirm rated current against the delivered label or installed record.
Rated voltage	690 V AC	Confirm rated voltage against the delivered label or installed record.
Utilization category	gL/gG	Confirm utilization category against the delivered label or installed record.
Breaking capacity	120 kA	Confirm breaking capacity against the delivered label or installed record.
Construction size	NH00	Confirm construction size against the delivered label or installed record.
Status indication	Dual combination indicator	Confirm status indication against the delivered label or installed record.
Gripping-lug execution	Live metal gripping lugs	Confirm gripping-lug execution against the delivered label or installed record.
Contact format	Square body with knife-blade contacts	Confirm contact format against the delivered label or installed record.

Evidence classification

Exact marking
The complete order reference controls the commercial identity.

Documented value
Use only where the technical record supports the stated execution.

Installed relationship
Confirm from the existing cabinet, machine or system record.

Excluded assumption
Do not infer an adjacent suffix, rating or execution.

Documented application context

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.

Discuss the complete marking and installed application with Apter Power

sales13@apterpower.com | +86 18030235313

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

03 Compatibility decision matrix

Identity gate	Does the installed marking agree with 63NHG00B-690 3ABD0001782?	Stop if any suffix or auxiliary marking differs.
Platform gate	Is the arrangement documented for ABB low-voltage fuse protection assemblies?	Confirm the carrier, base, circuit or system record.
Interface gate	Do physical and electrical interfaces match?	Compare terminals, connectors, mounting and protection.
Rating gate	Are documented ratings suitable at the operating point?	Check supply, load, duty and companion limits.
Configuration gate	Can the approved settings be restored?	Retain jumpers, software, wiring and assignments.
Acceptance gate	Can the installed function be proven?	Define measured evidence before release.

Marking-focused review prompts

Confirm abb supplied reference	Expected record: 3ABD0001782
Confirm fuse technology	Expected record: NH00 low-voltage HRC fuse link
Confirm rated current	Expected record: 63 A
Confirm rated voltage	Expected record: 690 V AC
Confirm utilization category	Expected record: gL/gG
Confirm breaking capacity	Expected record: 120 kA
Confirm construction size	Expected record: NH00
Confirm status indication	Expected record: Dual combination indicator

Offer-screening evidence package

- Photograph the entire 63NHG00B-690 3ABD0001782 marking without cropping suffixes.
- Provide the installed cabinet, machine or circuit reference and companion-part identities.
- Compare interfaces, ratings, configuration and included scope with the approved record.
- Resolve every discrepancy in writing before the item is released for dispatch.

Engineering acceptance questions

How should the 120 kA breaking-capacity requirement be checked for 63NHG00B-690 3

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 HITE303278R1
Recommended product	ABB SNAT609TAI SNAT 609 TAI
Recommended product	Bently Nevada 3500/33 149986-01
Recommended product	Emerson 8709-CA-08

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