ABB 170M6467 3AUA0000062487

Main-Circuit AC High-Speed Fuse

ABB 170M6467 3AUA0000062487 Main-Circuit AC High-Speed Fuse with verified technical identity, model-specific selection data and controlled commissioning guidance.

01 Product identity and verified data

Complete model	170M6467 3AUA0000062487
Product type	Main-Circuit AC High-Speed Fuse
Manufacturer	ABB
System / platform	ABB ACS800-67LC and ACS880 liquid-cooled drive systems

02 Exact-model technical specifications

ABB MRP code	3AUA0000062487
Fuse manufacturer series	Eaton Bussmann 170M
Fuse type	170M6467
Fuse class	Ultrarapid aR
Rated current	1400 A
Rated voltage	690 V AC
I²t at 660 V	2,450,000 A²s
Fuse size	Size 3
Indicator execution	Type K
ABB ACS800 position	Main-circuit AC fuse
ABB manual status	UL listed
Selection boundary	Rating and melting curve must not exceed documented protection curve

03 Engineering selection boundary

Technical basis	ABB ACS800-67LC and ACS880-07CLC hardware manuals with Eaton Bussmann 170M6467 product data
Exact-marking rule	Use the complete order reference; do not infer an adjacent suffix or execution.
Installed relationship	ABB ACS800-67LC and ACS880 liquid-cooled drive systems
Companion check	Record connected modules, carrier, socket, protection and interface identities.
Field confirmation	Compare labels, interfaces, companion hardware and approved drawings before release.
Release gate	Resolve every identity or compatibility discrepancy in the written offer.

03 Engineering overview

ABB maps MRP code 3AUA0000062487 to Bussmann 170M6467 for 1400 A main-circuit AC fuse positions in selected ACS800-67LC converters. Current ACS880 documentation also lists the 170M6467 1400 A, 690 V aR fuse.

The number of fuses depends on converter type and 6-, 12- or 24-pulse construction. The drive nameplate and fuse table must therefore be used together rather than extrapolating quantity from the fuse model.

Before replacement, isolate and discharge the converter, examine the fault path and compare all parallel fuse positions. Tightening, microswitch arrangement where fitted and controlled energization are recorded for handover.

Product characteristics

- High-energy semiconductor protection: The aR fuse limits short-circuit energy in documented liquid-cooled drive input paths.
- ABB-to-fuse mapping: MRP code 3AUA0000062487 is linked to Bussmann type 170M6467 in the ACS800 hardware manual.
- Converter-dependent fuse quantity: Required pieces vary with converter power and pulse configuration and must be taken from the exact drive manual.

Application map

Liquid-cooled drive input protection

Protect approved ACS800 or ACS880 supply-module configurations.

High-speed semiconductor circuits

Limit short-circuit let-through energy with the documented aR curve.

Parallel-fuse maintenance

Assess all fuse positions and current-sharing connections after a fault.

Installed-base spare matching

Match ABB MRP, Bussmann type, drive rating and fuse quantity.

Lifecycle status

Current fuse type used in installed drive systems

Available unit details

Supply scope	the 170M6467 3AUA0000062487 main-circuit ac high-speed fuse; companion hardware only when itemized
Dispatch	Swift global dispatch
Selection basis	Complete marking and written quotation

04 Installation and product precautions

Identify the converter
Record type, voltage and pulse configuration.

Prove isolation
Complete drive lockout and discharge checks.

Inspect parallel positions
Assess every associated fuse and bus connection.

Use the approved curve
Do not increase current rating or let-through energy.

Technical notes

Exact identity	170M6467 3AUA0000062487
Documented function	Main-Circuit AC High-Speed Fuse
Technical evidence	ABB ACS800-67LC and ACS880-07CLC hardware manuals with Eaton Bussmann 170M6467 product data
Evidence boundary	Only the documented ABB ACS800-67LC and ACS880 liquid-cooled drive systems relationship and stated exact-model values are applied
Commissioning record	Retain installed markings, configuration and functional proof

Controlled verification sequence

01	Send the complete 170M6467 3AUA0000062487 marking, revision labels, current-unit photographs and installed position.
02	Isolate the approved circuit and record every installed connection before removal.
03	Compare exact markings, interface positions and companion hardware before fitting the offered unit.
04	Restore power in the approved sequence and check diagnostics before enabling the application.
05	Compare the offered 170M6467 3AUA0000062487 interfaces, ratings and included items with the approved system record before ordering.
06	Retain photographs, readings, configuration records and responsible acceptance signatures.

Engineering questions

Which electrical ratings define 170M6467 3AUA0000062487?	The documented fuse is a 1400 A, 690 V AC ultrarapid aR type with 2,450,000 A²s at 660 V.
How is ABB article 3AUA0000062487 related to 170M6467 3AUA0000062487?	ABB hardware documentation maps that MRP code to Bussmann fuse type 170M6467.
Why can the quantity of 170M6467 3AUA0000062487 not be assumed from the fuse model?	ABB uses different quantities for converter ratings and 6-, 12- or 24-pulse configurations.
What inspection follows a blown 170M6467 3AUA0000062487?	Check all parallel fuse positions, busbars, semiconductor modules, insulation and evidence of the initiating fault.

05 Model-specific technical FAQ

Can a higher-current fuse replace 170M6467 3AUA0000062487?	No. ABB specifically warns against using a fuse with a higher current rating than the documented recommendation.
What must agree when cross-referencing 170M6467 3AUA0000062487?	Current, voltage, aR class, melting curve, body size, terminal form and indicator execution must all match.
What controlled restart applies after fitting 170M6467 3AUA0000062487?	Verify torque and isolation, restore control power, review drive diagnostics, then energize the power circuit under the approved site procedure.
What belongs in the final record for 170M6467 3AUA0000062487?	Record fuse markings, converter type, quantity, torque, insulation result, fault investigation and controlled-start evidence.

Related product references

Recommended model	ABB PM511V16 3BSE011181R1
Recommended model	ABB F4332D 3HAC024322-001
Recommended model	ABB 170M5388/PC72UD13C250T 3AUA0000090404
Recommended model	ABB 63NHG00B-690 3ABD0001782
Recommended model	ABB A50-30-11 1SBL351001R8011
Recommended model	ABB CBHX165C 5R 414
Recommended model	ABB DRM570024LT AU 4CO 24V 3ABD00036448
Recommended model	ABB RCM 230VAC 3C/0 3ABD00029943

Commissioning record to retain

Installed asset	Machine, cabinet, channel and drawing reference
Identity proof	Complete markings and photographs
Configuration proof	Approved settings and companion-hardware record
Functional proof	Diagnostics, measured response and acceptance signatures



Discuss the exact marking and installed application with Apter Power

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https://www.apterpower.com/ABB/ABB-Drives/3aua0000062487-170m6467

Scan the QR code for direct contact and quotation support.