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› Bussmann CB185-120 Waterproof High Amp Circuit Breaker User Manual

Bussmann CB185-120

Bussmann CB185-120 Waterproof High Amp Circuit Breaker User Manual

Model: CB185-120

PRODUCT OVERVIEW

The Bussmann CB185 Series, Type III, High Amp Circuit Breaker is designed for robust electrical protection in demanding environments. It is commonly used in auxiliary and accessory circuits for vehicles such as trucks, buses, RVs, and marine applications. This breaker features a flush mount design and a push-to-trip button, which serves as a master disconnect for the protected circuit.



Image: Front view of the Bussmann CB185-120 Waterproof High Amp Circuit Breaker, showing the 120 Amp rating, 42 Volts DC maximum, ignition protected, and waterproof features. The red push-to-trip button is visible.

Key Features

- CB185 Series, Type III, High Amp Circuit Breaker
- Suitable for auxiliary and accessory circuits in trucks, buses, RVs, and marine applications.

- Flush mount design with a push-to-trip button for master disconnect.
- 120 Amp, 42 Vdc rating.
- Manual reset capability.
- Sealed waterproof housing.
- Equipped with 1/4-28 threaded studs and installed SEMS nuts.
- Universal Fit.

SPECIFICATIONS

Attribute	Value
Brand	Bussmann
Current Rating	120 Amps
Product Dimensions	1.9"D x 1.9"W x 2.9"H
Circuit Breaker Type	Standard
Mounting Type	Flush Mount
Number Of Poles	1
UPC	051712596428
Model	Automotive Circuit Breaker, CB185, 120A
Item Weight	1.6 ounces
Item Model Number	CB185-120
Manufacturer Part Number	CB185-120
OEM Part Number	Bussmann CB185-120
Voltage	48 Volts (DC)

SETUP AND INSTALLATION

The Bussmann CB185-120 circuit breaker is designed for flush mounting. Proper installation is crucial for safety and optimal performance.

Before Installation

- Ensure the power source is disconnected before beginning any electrical work.
- Verify that the circuit breaker's current rating (120 Amps) and voltage rating (42 Vdc) are appropriate for your application.
- Identify a suitable, dry, and accessible location for flush mounting. The sealed waterproof housing provides protection, but direct exposure to extreme conditions should be minimized if possible.

Mounting Instructions

1. Prepare the mounting surface: Cut an opening that accommodates the flush mount dimensions of the breaker

(approximately 1.9"D x 1.9"W x 2.9"H).

2. Insert the breaker into the prepared opening.
3. Secure the breaker using appropriate fasteners through the mounting holes. Ensure a snug fit to maintain the waterproof seal.

Wiring Instructions

1. Connect the positive input wire to one of the 1/4-28 threaded studs.
2. Connect the positive output wire to the other 1/4-28 threaded stud.
3. Use the installed SEMS nuts to secure the wire terminals firmly. Ensure all connections are tight to prevent arcing and overheating.
4. Double-check all wiring for correct polarity and secure connections before restoring power.

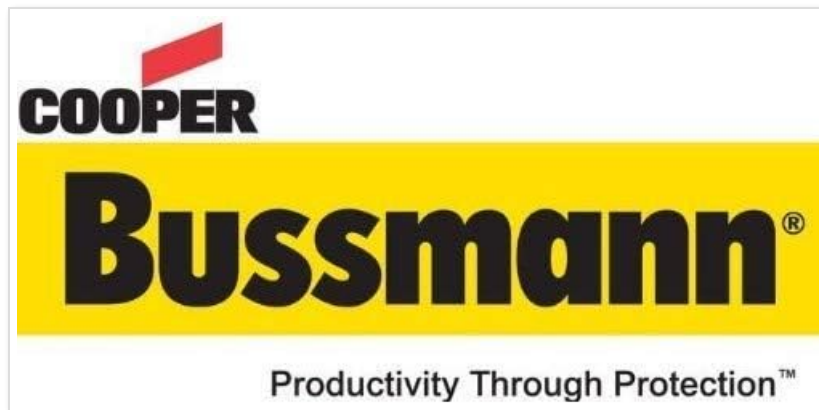


Image: Side view of the Bussmann CB185-120 Circuit Breaker, highlighting the threaded studs and mounting points for installation.

OPERATING INSTRUCTIONS

Normal Operation

In normal operating conditions, the circuit breaker allows current to flow through the protected circuit.

Manual Reset / Trip Function

The CB185-120 features a manual reset mechanism. If an overcurrent condition occurs, the breaker will automatically trip, interrupting the circuit.

- To manually trip the breaker (e.g., for master disconnect), press the red push-to-trip button located on the front of the unit. This will open the circuit.
- To reset the breaker after it has tripped (either manually or due to overcurrent), push the button back in until it latches. Before resetting after an overcurrent, identify and resolve the cause of the overload.

MAINTENANCE

The Bussmann CB185-120 circuit breaker is designed for durability and requires minimal maintenance.

- Periodically inspect the breaker and its connections for any signs of corrosion, damage, or loose wiring.
- Ensure the waterproof housing remains intact and free from cracks or punctures.
- Keep the area around the breaker clean and free from debris that could obstruct the push-to-trip button or ventilation.
- Do not attempt to disassemble the unit. There are no user-serviceable parts inside.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Breaker trips frequently	Overload on the circuit, short circuit, or faulty appliance/component.	Reduce the load on the circuit. Inspect wiring and connected devices for shorts or malfunctions. If the issue persists, consult a qualified electrician.
Breaker does not reset	Persistent overload/short circuit, internal damage to the breaker.	Ensure the overload condition is resolved. If the breaker still does not reset, it may be damaged and require replacement.
No power to circuit, breaker not tripped	Loose connection, power source issue, or internal breaker failure.	Check all wiring connections for tightness. Verify the power source is active. If connections are secure and power is present, the breaker may be faulty and need replacement.

WARRANTY AND SUPPORT

For warranty information and technical support regarding your Bussmann CB185-120 circuit breaker, please refer to the official Bussmann website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Bussmann Contact Information:

Please visit [Eaton's Bussmann Division website](#) for the most current support resources and contact details.

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For the latest product information, please visit the official Bussmann website.

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