

Blue Sea Systems 7355

Blue Sea Systems C-Series 7355 Single Pole 30 Amp Toggle Circuit Breaker User Manual

Model: 7355 | Part Number: 20641

1. PRODUCT OVERVIEW

The Blue Sea Systems C-Series 7355 is a single pole, 30 Amp toggle circuit breaker designed to provide reliable overcurrent protection. This device integrates both switching and circuit protection functionalities into a single unit, making it suitable for various applications, including inverters, bow thrusters, and windlasses.

Key features include:

- **Overcurrent Protection:** Safeguards electrical systems from excessive current.
- **Integrated Switching:** Combines ON/OFF switching with circuit protection.
- **"Trip Free" Design:** Ensures the breaker cannot be held closed after a trip condition, enhancing safety.
- **Amperage:** 30 Amps.
- **Poles:** Single Pole.





Image 1.1: Front view of the Blue Sea Systems C-Series 7355 Toggle Circuit Breaker. This image shows the white toggle switch and the compact design of the unit.

2. SAFETY INFORMATION

WARNING: Risk of electric shock or fire. Installation and servicing should be performed by qualified personnel only. Disconnect all power sources before installation or servicing.

- Always wear appropriate personal protective equipment (PPE) when working with electrical systems.
- Ensure the circuit breaker's amperage rating matches the circuit requirements.
- Do not use this device in environments exceeding its specified operating conditions.
- Verify all connections are secure and properly insulated to prevent short circuits.
- Do not attempt to bypass or modify the circuit breaker's protective functions.

3. INSTALLATION

Proper installation is crucial for the safe and effective operation of the circuit breaker. Refer to the wiring diagram provided with your specific application or panel for correct connections.

1. **Power Disconnection:** Ensure all power to the circuit where the breaker will be installed is completely disconnected. Use a voltmeter to confirm zero voltage.
2. **Mounting:** Mount the circuit breaker securely in an appropriate panel or enclosure. Ensure adequate ventilation and protection from environmental factors if not rated for exposed conditions.
3. **Wiring:** Connect the input (source) wire to the designated terminal and the output (load) wire to the other terminal. Observe correct polarity if applicable. Use appropriately sized wire for the 30 Amp rating.
4. **Terminal Security:** Tighten all terminal screws to the manufacturer's specified torque settings. *Over-tightening can damage terminals, while under-tightening can lead to poor connections and overheating.*
5. **Verification:** Double-check all wiring for correctness and security before restoring power.



Image 3.1: Rear view or side view of the circuit breaker, showing the screw terminals for wiring connections. Ensure proper wire gauge and secure fastening.

4. OPERATION

The C-Series 7355 circuit breaker operates as a simple ON/OFF switch with integrated overcurrent protection.

- **To Turn ON:** Push the toggle switch to the "ON" position. This closes the circuit, allowing current to flow.
- **To Turn OFF:** Push the toggle switch to the "OFF" position. This opens the circuit, stopping current flow.
- **Trip Condition:** If an overcurrent condition occurs, the circuit breaker will automatically trip to the "OFF" position, interrupting the circuit. Due to its "Trip Free" design, it cannot be held in the "ON" position if an overcurrent condition persists.
- **Resetting After a Trip:** Before resetting, identify and resolve the cause of the overcurrent. Once the issue is resolved, push the toggle switch firmly to the "OFF" position, then to the "ON" position to reset the breaker.

5. MAINTENANCE

The Blue Sea Systems C-Series 7355 circuit breaker requires minimal maintenance. Regular inspection is recommended to ensure continued reliable operation.

- **Visual Inspection:** Periodically inspect the breaker for any signs of physical damage, discoloration, or corrosion.
- **Connection Check:** Ensure all electrical connections remain tight and secure. Loose connections can cause resistance, heat, and potential failure.
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Environmental Protection:** Ensure the breaker remains protected from excessive moisture, dust, and extreme temperatures, especially if not rated for harsh environments.

6. TROUBLESHOOTING

If the circuit breaker is not functioning as expected, consider the following common issues:

Symptom	Possible Cause	Action
Breaker trips frequently	Overload on the circuit, short circuit, faulty appliance/device.	Reduce load, inspect wiring for shorts, test connected devices.
Breaker does not reset	Persistent overcurrent/short circuit, internal breaker fault.	Ensure the cause of the trip is resolved. If it still doesn't reset, the breaker may be faulty and require replacement.
No power to circuit when ON	Loose connections, faulty wiring, upstream power issue, internal breaker fault.	Check all connections, verify power supply to the breaker, test the breaker for continuity (with power off).

If troubleshooting steps do not resolve the issue, consult a qualified electrician or contact Blue Sea Systems customer support.

7. SPECIFICATIONS

Specification	Value
Brand	Blue Sea Systems
Model Number	7355 (Part Number: 20641)
Current Rating	30 Amps
Poles	Single Pole
Operation Mode	ON-OFF
Material	Metal
Color	White
Product Dimensions	4 x 2 x 2 inches
Item Weight	14.4 ounces
UPC	611104327032

8. WARRANTY AND SUPPORT

For warranty information and technical support, please contact Blue Sea Systems directly or refer to their official website. Keep your purchase receipt for warranty claims.

Blue Sea Systems Contact Information:

- Website: [www.blueseasystems.com](#) (Note: This is a placeholder URL, please refer to the official product packaging or manufacturer's website for actual contact details.)
- Customer Service: Refer to the website for current contact methods.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question