

Winkhaus BOS21V12TN3030N

Winkhaus blueCompact Electronic Profile Double Cylinder

Model: BOS21V12TN3030N

Brand: Winkhaus

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Winkhaus blueCompact electronic profile double cylinder, model BOS21V12TN3030N. This electronic cylinder is designed for exterior doors and integrates with the blueCompact locking system, offering flexible management via a dedicated application.

The blueCompact system allows for convenient and secure access control, managed directly from your smartphone. Please read these instructions carefully before installation and use to ensure proper function and security.

2. SAFETY INFORMATION

- The blueCompact cylinders comply with DIN EN 18252, DIN EN 1303, DIN EN 15684, and CE standards, meeting IP 54 protection class requirements.
- They offer high resistance against burglary, certified with the highest security level (SKG***) by the SKG-IKOB institute.
- The cylinders are protected against manipulation, including drilling, pulling, and magnetic attacks.
- For optimal anti-burglary resistance, select the correct cylinder length. Police and security institutes recommend a maximum cylinder protrusion of 3 mm from the door fitting.
- The blueCompact application functions only on non-manipulated smartphones for security reasons.
- The data recording concept ensures no personal or security-relevant data is stored in the cloud or the application itself. Data is stored on the Masterkey, protected by 128-bit AES encryption.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Electronic Profile Double Cylinder (for exterior doors)
- 1x Lithium battery BR 1/2 AA (pre-installed in the battery compartment)

- 1x Fixing screw M5 x 85 mm
- 1x Installation Guide



Image 3.1: The Winkhaus blueCompact electronic cylinder packaged in its blue box.

4. SETUP AND INSTALLATION

The Winkhaus blueCompact cylinder is designed for straightforward installation, similar to a mechanical locking cylinder, requiring no wiring.

4.1. Prerequisites

- A Winkhaus blueCompact activation kit is required for operation. This kit includes the Masterkey and four user keys.
- A compatible smartphone (iOS or Android) with the free blueCompact Winkhaus application installed.

4.2. Installation Steps

1. **Remove Existing Cylinder:** Locate and remove the fixing screw on the side of your door that secures the current locking cylinder. Carefully slide out the old cylinder.
2. **Insert blueCompact Cylinder:** Insert the Winkhaus blueCompact electronic cylinder into the door's lock mechanism. Ensure it is correctly aligned.
3. **Secure Cylinder:** Re-insert and tighten the provided M5 x 85 mm fixing screw to secure the blueCompact cylinder in place.
4. **Verify Length:** Confirm that the cylinder does not protrude more than 3 mm from the door fitting on either side for optimal security. Refer to the dimension table for correct sizing.

Winkhaus provides installation videos within the blueCompact application and on YouTube for visual guidance.

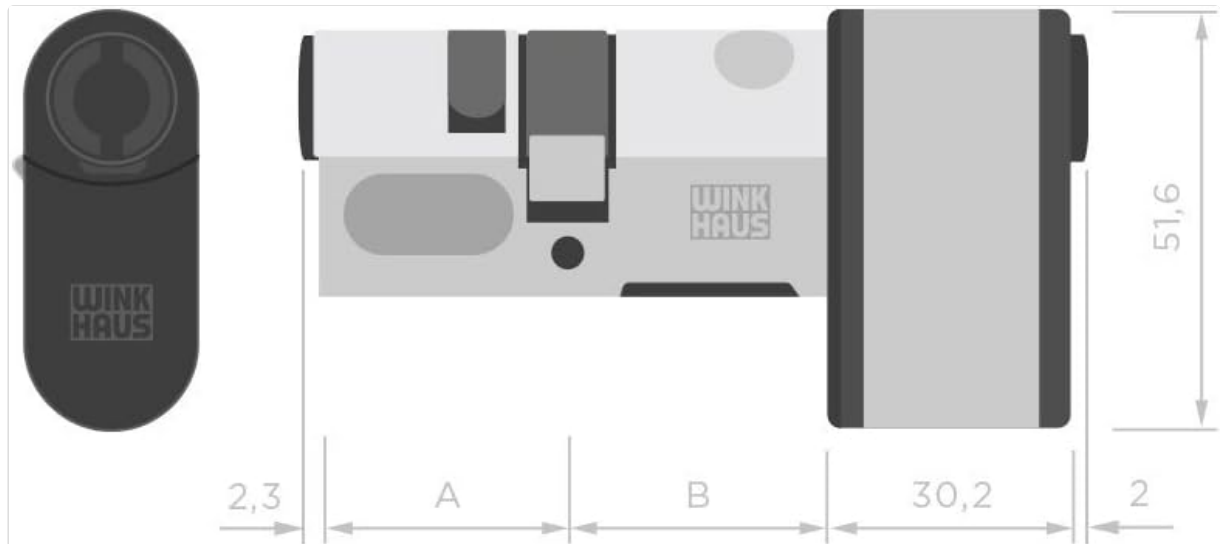


Image 4.1: Technical drawing illustrating the dimensions of the blueCompact cylinder. 'A' represents the outer dimension and 'B' represents the inner dimension.

Zylinderlänge	A (in mm)	B (in mm)
30 30	30,7	32,4
30 35	30,7	35,7
30 40	30,7	40,7
30 45	30,7	45,7
30 50	30,7	50,7
35 30	35,7	32,4
35 35	35,7	35,7
35 40	35,7	40,7
35 45	35,7	45,7
35 50	35,7	50,7
40 30	40,7	32,4
40 35	40,7	35,7
40 40	40,7	40,7
40 45	40,7	45,7
40 50	40,7	50,7
45 30	45,7	32,4
45 35	45,7	35,7
45 40	45,7	40,7
45 45	45,7	45,7
45 50	45,7	50,7
50 30	50,7	32,4
50 35	50,7	35,7
50 40	50,7	40,7
50 45	50,7	45,7
50 50	50,7	50,7

Image 4.2: Table showing various cylinder lengths and their corresponding 'A' (outer) and 'B' (inner) dimensions in millimeters. For model BOS21V12TN3030N, the nominal length is 30/30 mm, with actual dimensions A=30.7 mm and B=32.4 mm.

5. OPERATING INSTRUCTIONS

5.1. Locking and Unlocking

The Winkhaus blueCompact cylinder is locked and unlocked conventionally using a blueCompact key. Insert the key and turn it to engage or disengage the lock mechanism.

5.2. Access Rights Management (blueCompact App)

Access rights are managed using the Masterkey and the free blueCompact Winkhaus application (available for iOS and Android) on your smartphone.

- **Initial Setup:** Start with one cylinder and expand your locking system as needed, up to 25 cylinders and 99 keys.
- **Granting/Revoking Access:** Use the Masterkey in conjunction with the app to grant or revoke access rights for individual user keys.

- **Lost Key Management:** In case of a lost key, use the Masterkey and the app to quickly remove its access rights, maintaining the security of your system.

5.3. Event Logging

The cylinder's controller, equipped with a real-time clock, logs the last 2000 locking events, including date and time. This event journal can be accessed via the blueCompact app for security monitoring.

6. MAINTENANCE

6.1. Battery Life and Replacement

The cylinder operates on a Lithium BR 1/2 AA battery. The battery life supports up to 120,000 locking cycles or up to 10 years in standby mode.

The system provides warnings regarding battery status. When the battery needs replacement, follow the instructions in the blueCompact app or the detailed installation guide.

6.2. Emergency Operation (Empty Battery)

If the battery is completely depleted and you have missed the low battery warnings, the cylinder can still be opened using the Masterkey or any active blueCompact Winkhaus keys that have their own internal battery.

7. TROUBLESHOOTING

- **Cylinder not responding:** Check battery status. If the battery is low or empty, use the Masterkey or an active blueCompact key with its own battery.
- **Key not granting access:** Verify access rights via the blueCompact app using the Masterkey. Ensure the key is properly registered and its access has not been revoked.
- **App not functioning:** Ensure your smartphone is not "manipulated" (e.g., rooted or jailbroken), as the app has security measures against such devices. Check for app updates.
- **Difficulty installing:** Refer to the installation videos available in the blueCompact app or on YouTube. Ensure the fixing screw is correctly aligned and tightened.

8. SPECIFICATIONS



Image 8.1: Front view of the Winkhaus blueCompact electronic profile double cylinder, showing the electronic module on one side and the key slot on the other.



Image 8.2: Side view of the Winkhaus blueCompact electronic cylinder, highlighting the SKG*** security rating and internal components.

Product Specifications

Feature	Detail
Model Number	BOS21V12TN3030N
Brand	Winkhaus
Type	Electronic Profile Double Cylinder
Cylinder Length (Nominal)	30/30 mm
Cylinder Length (Actual A/B)	Outer: 30.7 mm, Inner: 32.4 mm
Material	Metal
Dimensions (L x W x H)	9.77 x 2.2 x 5.2 cm
Weight	203 grams
Battery Type	1x Lithium-ion (BR 1/2 AA), included
Battery Life	Up to 120,000 operations or 10 years standby
Security Certification	SKG*** (SKG-IKOB institute)
Protection Class	IP 54
Control Method	Application (iOS/Android) via Masterkey
Connectivity Protocol	Bluetooth
Max. Cylinders per System	25
Max. Keys per System	99
Event Log Capacity	Last 2000 events with date/time
Special Features	Key unlocking, app control, anti-drilling, anti-pulling, anti-magnetic protection
Country of Origin	Germany (Developed and Produced)


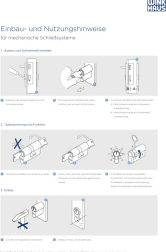


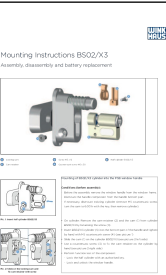

9. WARRANTY AND SUPPORT

Winkhaus guarantees the expandability of the blueCompact system for 10 years from the initial purchase date.

For further support, installation videos, and detailed information, please refer to the blueCompact Winkhaus application or visit the official Winkhaus website.

Winkhaus blueCompact products are developed and produced in Germany, ensuring high quality and reliability.

Related Documents - BOS21V12TN3030N

 <p>Operating Instructions RhinoSmart® Rhino</p>	<p>Winkhaus blueSmart Rhino Operating Instructions</p> <p>Detailed operating instructions for the Winkhaus blueSmart Rhino electronic key, covering safety, usage, technical specifications, and disposal for commercial applications.</p>
 <p>Einbau- und Nutzungshinweise für mechanische Schließsysteme 1. Mechanische Schließsysteme 2. Elektrische Schließsysteme 3. Elektrische Schließsysteme</p>	<p>Winkhaus Mechanical Locking Systems: Installation and Usage Guide</p> <p>Detailed instructions for installing and using Winkhaus mechanical profile cylinder locking systems. Covers removal, measurement, installation, and proper operation for security and longevity.</p>
 <p>Handbook RhinoSmart® App</p>	<p>Winkhaus blueSmart App User Manual</p> <p>Comprehensive user manual for the Winkhaus blueSmart app, detailing its features, setup, and troubleshooting for smart lock systems. Learn how to manage access, identify components, and synchronize data.</p>
 <p>Manual de instrucciones App RhinoSmart</p>	<p>Winkhaus blueSmart App Instruction Manual - Secure Access Control</p> <p>Comprehensive instruction manual for the Winkhaus blueSmart app, detailing how to manage smart locks, identify components, read events, and troubleshoot issues for enhanced access control security.</p>
 <p>Mounting Instructions BS02/X3 Assembly, disassembly and battery replacement</p>	<p>Winkhaus BS02/X3 Mounting Instructions: Assembly, Disassembly, and Battery Replacement</p> <p>Comprehensive guide detailing the assembly, disassembly, and battery replacement procedures for the Winkhaus BS02/X3 window handle cylinder. Includes step-by-step instructions and part identification.</p>
 <p>User Guide Programming device BCP-NG</p>	<p>Winkhaus BCP-NG Programming Device User Guide</p> <p>This user guide provides comprehensive instructions for operating the Winkhaus BCP-NG programming device, covering its components, setup, functions, application notes, error codes, and safety information.</p>

