

ABB 3BHE016011R0002 UNS0118A-Z

Migration & Verification Reference

Voltage regulation for synchronous generator and motor systems

ABB product / lookup identity	3BHE016011R0002 / UNS0118A-Z
Document scope	Independent Apter Power reference aligned to the current page and the cited ABB public source.
Current page snapshot	Parameters and seven FAQs synchronized on 2026-08-31.



Apter Power product page
<https://www.apterpower.com/ABB/3bhe016011r0002-uns0118a-z>

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Before work begins

This checklist aligns the current product-page data with project-specific verification required on the installed system.

1	Confirm the complete order code and the installed LIGHT variant before planning any replacement.
2	Do not apply BASIC, FULL or FULL+PSS variant data to the Rxxx2 LIGHT code pattern.
3	Do not copy UNITROL 1010 or 1020 electrical ratings, I/O counts or communication data to this legacy product.
4	Back up the existing regulator settings and retain the original commissioning records.
5	Engineering review remains required for the identified UNITROL 1010 LIGHT migration path.
6	Confirm the UNS0118A-Z label from the physical ABB nameplate when that designation is required for traceability.

Page-aligned identity and parameters

Current page parameter	Published page value
Official Code Pattern	3BHE016011Rxxx2 = UNITROL 1000-7 LIGHT
Product Function	Automatic voltage regulation
Controlled Equipment	Synchronous generator or synchronous motor
Family Application Range	Up to 80 MVA (UNITROL 1000 family statement)
Life-Cycle Statement	Limited phase since 2019
Recommended Migration	UNITROL 1010 LIGHT
Replacement Order Code	3BHE035301R0002
Estimated shipping dimensions	25x17x7cm
Weight	1.6 kg
Tariff Code	8537101190
Country of origin	Sweden

Signal and component verification

- 1 The host synchronous generator or motor system provides the voltage-regulation context.
- 2 UNITROL 1000-7 LIGHT performs the automatic voltage-regulator function defined by the installed application.
- 3 Project signals, terminals and excitation ratings must be read from the original system documentation.
- 4 Migration planning uses UNITROL 1010 LIGHT 3BHE035301R0002 and project-specific engineering review.

Frequently asked questions

What is ABB 3BHE016011R0002?	Its code matches ABB's official 3BHE016011Rxxx2 pattern for the UNITROL 1000-7 LIGHT automatic voltage regulator.
What does it do?	It performs voltage-regulation duties for synchronous generators or synchronous motors.
Is UNS0118A-Z an ABB-confirmed designation?	No public ABB source cited on this page uses that designation; confirm it from the physical ABB nameplate if required.
What is its lifecycle status?	ABB states that UNITROL 1000-7 entered the Limited phase in 2019.
What replacement does ABB identify?	UNITROL 1010 LIGHT, order code 3BHE035301R0002.
Can UNITROL 1010/1020 specifications be copied here?	No. Their ratings, I/O and interfaces must not be attributed to this legacy product.
Where is the UNITROL 1000 family applied?	ABB lists power generation, marine, traction, wind, synchronous-machine and variable-speed applications.

Release decision

Release the equipment for installation or commissioning only after the complete ABB identity, host-system documentation, connector assignments, supply conditions, lifecycle statement and migration instructions have been checked. Do not infer unpublished values from similar ABB revisions.

Official ABB source

ABB UNITROL 1000 Upgrade Leaflet	https://library.e.abb.com/public/93bc4bf90e3c4b5280a3a3d290130a11/ABB_UNITROL_1000%20Upgrade_Leaflet.pdf
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