

ABB 3BHE016011R0002 UNS0118A-Z

Product Reference Manual

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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Product identity and current parameters

The complete order code 3BHE016011R0002 matches ABB's published 3BHE016011Rxxx2 pattern for the UNITROL 1000-7 LIGHT automatic voltage regulator. It regulates voltage in synchronous generator or synchronous motor systems. ABB states that UNITROL 1000-7 entered the Limited life-cycle phase in 2019 and identifies UNITROL 1010 LIGHT, 3BHE035301R0002, as the migration replacement. UNS0118A-Z remains a page lookup label and must be confirmed from the physical nameplate when required.

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

Functional path

- 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 ABB's UNITROL 1010 LIGHT path and project-specific engineering review.

Compatible context

Synchronous generator or synchronous motor system	Existing UNITROL 1000-7 LIGHT project wiring and settings
UNITROL 1010 LIGHT 3BHE035301R0002 migration product	Original excitation-system drawings and commissioning records

Applications supported by the cited ABB material

Diesel- or gas-engine power plants	Gas- and steam-turbine power plants
Hydro-turbine power plants	Marine propulsion and auxiliary supply
Diesel-electric locomotives	Wind and variable-speed synchronous-machine applications

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.

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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