

ABB 3BHE016011R0002 UNS0118A-Z

Product Reference Manual

Voltage regulation for synchronous generator and motor systems



ABB product / lookup identity	3BHE016011R0002
Document scope	Independent Apter Power reference compiled only from the cited ABB public sources.
Image policy	No product photograph is included in this document.



Apter Power product page

<https://www.apterpower.com/ABB/3bhe016011r0002-uns0118a-z>

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Product identity and system role

The complete order code 3BHE016011R0002 matches ABB's published 3BHE016011Rxxx2 pattern for the UNITROL 1000-7 LIGHT automatic voltage regulator. The UNITROL 1000 family regulates voltage in synchronous generator and 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. The name UNS0118A-Z is retained here as the requested lookup label, but is not confirmed by the cited ABB public material.

Official parameter	Published value
Official code mapping	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)
Lifecycle	Limited phase since 2019
Recommended migration	UNITROL 1010 LIGHT
Replacement order code	3BHE035301R0002
UNS0118A-Z designation	Not confirmed in the cited ABB public document

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; the upgrade leaflet does not publish them.
4	Migration planning uses ABB's UNITROL 1010 LIGHT replacement 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 3BHE016011R0002?	Its complete code matches ABB's UNITROL 1000-7 LIGHT order-code pattern.
What does it control?	It performs voltage-regulation duties for synchronous generators or synchronous motors.
Is UNS0118A-Z ABB-confirmed?	That designation does not appear in the cited ABB public document.
What is its lifecycle?	ABB states UNITROL 1000-7 entered the Limited phase in 2019.
What replacement does ABB identify?	UNITROL 1010 LIGHT, order code 3BHE035301R0002.
Can new-product specifications be reused?	No. UNITROL 1010/1020 ratings and interfaces must not be attributed to this legacy unit.

Official ABB sources

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