

ABB 3BHE016011R0002 UNS0118A-Z

Migration & Verification Reference

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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Before work begins

This checklist does not replace the current ABB host-equipment manual. It separates published facts from project-specific information that must be verified 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 is required even though ABB describes the replacement electrical and software interfaces as backward compatible.
6	Confirm the UNS0118A-Z label from the physical ABB nameplate if that designation is required for traceability.

Identity controls

Official parameter	Published value
Complete code	3BHE016011R0002
Model / lookup label	UNS0118A-Z
Documented role	UNITROL 1000-7 LIGHT automatic voltage regulator
Canonical product page	https://www.apterpower.com/ABB/3bhe016011r0002-uns0118a-z

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; the upgrade leaflet does not publish them.
4	Migration planning uses ABB's UNITROL 1010 LIGHT replacement path and project-specific engineering review.

System 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

Release decision

Release the equipment for installation or commissioning only after the complete ABB identity, host-system documentation, connector assignments, supply conditions and applicable lifecycle or migration instructions have been checked. Unpublished values must not be inferred from similar ABB revisions.

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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