

UNITROL 1000-7 LIGHT

# Product Data Sheet

**3BHE016011R0002 UNS0118A-Z**

Automatic voltage regulator

|                                                 |                                         |                                            |                                                            |
|-------------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------------------|
| THREE-PHASE POWER INPUT<br><b>9 to 250 V AC</b> | DC POWER INPUT<br><b>16 to 300 V DC</b> | AC SUPPLY FREQUENCY<br><b>40 to 600 Hz</b> | EXCITATION CURRENT AT 70 DEG C<br><b>7 A DC continuous</b> |
|-------------------------------------------------|-----------------------------------------|--------------------------------------------|------------------------------------------------------------|

ABB 3BHE016011R0002 UNS0118A-Z is the UNITROL 1000-7 LIGHT automatic voltage regulator for compatible synchronous generators. It regulates generator excitation in the supported UNITROL configuration and belongs to the LIGHT ordering variant, rather than the AC 800PEC processor family shown in the previous product information.

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## VERIFIED TECHNICAL DATA

|                                |                   |
|--------------------------------|-------------------|
| Three-phase power input        | 9 to 250 V AC     |
| DC power input                 | 16 to 300 V DC    |
| AC supply frequency            | 40 to 600 Hz      |
| Excitation current at 70 deg C | 7 A DC continuous |
| Voltage regulation accuracy    | <0.2%             |
| Operating temperature          | -40 to +70 deg C  |
| Storage temperature            | -40 to +85 deg C  |
| Protection rating              | IP20              |
| Power circuit dielectric test  | 2 kV DC, 1 min    |
| Generator voltage measurement  | Up to 500 V AC    |

## ADDITIONAL PRODUCT DATA

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|                                    |              |
|------------------------------------|--------------|
| Generator current input            | 1 A / 5 A    |
| Measurement frequency              | 10 to 100 Hz |
| Digital inputs                     | 4            |
| Configurable digital input/outputs | 4            |
| Analog input channels              | 3            |

## DOCUMENTED USE SETTINGS

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Electric Power Generation and Heat Production: Thermal Electric Power Generation.

Marine Electrical Generation and Vessel Power Production: Marine Electric Power Generation.

Industrial Power Generation and Captive Energy Production: Industrial Captive Power Generation.

## SYSTEM COMPATIBILITY

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## PRODUCT EVIDENCE

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Exact-unit photographs and independently checked product information

AMIKON PRODUCT SUPPORT

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