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PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

AUTOMATIC VOLTAGE REGULATOR AVR 2016

Reference: AVR 2016

AUTOMATIC VOLTAGE REGULATOR AVR 2016

AVR Automatic Voltage Regulator 2016 allows the optimal operation of new and old construction brushless alternators, with exciter generator, even in the most critical conditions of use.

The AVR 2016 uses the most sophisticated technologies allowing the supply of exciters with nominal voltage values up to 100 V. It can therefore be used on almost all alternators on the market.

The AVR 2016 voltage regulator ensures optimum operation of alternators at no-load, load and transient conditions, particularly at the start of asynchronous motors. It also features adequate internal protections against prolonged overload and overvoltage, which could be dangerous to the alternator and utilities.

All components are immersed in resin, to ensure precise and safe reliability over time, even in particular environments and to avoid breakage caused by vibration, all enclosed in a rugged housing. It is also equipped with insulated terminals, for electrical connection and an internal fuse holder complete with an extra fast fuse for protection against short circuits of the exciter stator.

The new 2016 regulator has been designed to optimize performance even on particular alternators. It is the most powerful in its range of use, it can reach an excitation current of 10A. The AVR 2016 comes complete with overvoltage protection, indicated by a yellow LED.

The AVR is complete with low speed protection adjustable by a trimmer (freq) that allows you to set the point of intervention at which the alternator reaches the rated voltage (40-50 or 50-60 Hz). Starting from a residual of 2V, a voltage close to the nominal voltage is reached when the frequency is equal to the one set with the trimmer. In this phase the voltage is brought to the nominal value, in this way you can have a regulation like a compound, with the advantages and the precision of an electronic regulator. The low speed protection will be indicated by a red LED.

Thanks to this system, the AVR S2016 allows the insertion of heavy loads without affecting the efficiency of the diesel engine, whether turbocharged or older.

TECHNICAL FEATURES AVR 2016 VOLTAGE REGULATOR

Delta connection
Nominal voltage: 100÷260 V at 50/60 Hz
Star connection
Nominal voltage: 300÷490 V at 50/60 Hz
Excitation: Ie=10 A Ve< =100 V
Precision in permanent regime: +- 1%
Rated continuous service current: 10 A
Rated excitation voltage: < =100 Vdc
Operating temperature range: -20 / +65°C

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Object length: 137 mm
Object width: 108 mm
Object height: 55 mm
Weight: 0. 8 Kg

Are you looking for a voltage regulator with different characteristics? HERE you can find the full range of AVR voltage regulators from specialist brands

Images and technical data are not binding and may be subject to revision by the supplier

Technical Sheet

Frequency (Hz)	50 / 60
Nominal current (A)	10 A
Length (mm)	108
Width (mm)	137
Height (mm)	55
Delta connection rated voltage	100÷260 V @ 50/60 Hz
Star connection rated voltage	300÷490 V @ 50/60 Hz
Excitation	Ie uguale a 10 A I Ve minore o uguale a 100 V
Weight (Kg)	0.8