



MARELLIMOTORI AVR M25FA645A

Reference: 10004750

MARELLIMOTORI AVR M25FA645A ELECTRONIC VOLTAGE REGULATOR

The MARELLIMOTORI AVR M25FA645A voltage regulator technologically advanced and extremely reliable with very compact dimensions and low costs.

The MARELLIMOTORI AVR M25FA645A an electronic device mounted on the alternators, which automatically adjusts the output voltage as the load varies. The electronic voltage regulator is mainly used to make the voltage stable and the current clean, thus avoiding sudden changes in voltage that can damage sensitive devices such as PCs, smartphones or connected appliances. The main and most common voltage regulators are the AVR and the inverter are modern, but in some alternators or generator sets there are also capacitor or compound regulators.

It includes low speed protections; and overload protection with adjustable tripping threshold, 50/60 Hz operation, adjustable droop and the possibility of overloading, to adjust the voltage remotely.

TECHNICAL FEATURES MARELLIMOTORI AVR M25FA645A

REGULATION ACCURACY : +/- 1%

VOLTAGE DRIFT: +/- 0.5 % voltage change, for 50°C ambient temperature change

RESPONSE TIME: 1 cycle

OPERATING TEMPERATURE: : -20 °C ÷ +60 °C

EXCITER FIELD RESISTANCE: 3 W (min) ÷ 25 W(max)

INPUT DATA:

-SUPPLY VOLTAGE: 170 -270 V

-POWER SUPPLY: 1000 VA (max)

-POWER DISSIPATED: 30 W (max)

-VOLTAGE SENSING: 170 – 270 V

-OUTPUT VOLTAGE (DC): 30 V

-OUTPUT CURRENT (DC): 8 A (max, continuous)

-OUTPUT CURRENT (DC): 15 A (max forcing one minute)

Are you looking for a regulator with different technical characteristics? [HERE](#) you can find the area dedicated to voltage regulators from Marelli or other specialized brands.

Non-binding images and technical data.

Technical Sheet

Frequency (Hz)	50 / 60
Temperature range for use (°C)	
Type of regulator	Voltage
Voltage regulator	AVR
Weight (Kg)	1
Supply Voltage	
Precision of voltage regulation	± 1%
