



Ablemail Electronics

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AMN12-24-24

DESCRIPTION

AMN 12-24-24 is a water resistant switching type voltage converter intended for use on vehicles with a 12V electrical system to power accessories designed for use on a 24V vehicle electrical system, with a maximum continuous load current of 22A. The unit can deliver 22A continuous and 26A intermittent output load current and has output overload and over temperature protection with a fully automatic reset. The 12V input and 24V outputs share a common negative. The unit is assembled in an aluminium extruded case and features a high efficiency converter, with thermal protection. The extruded aluminium case and the fact that the unit is encapsulated in silicon rubber allows for reliable operation in harsh vehicle environments and areas of high ambient temperatures.

EMC

Type approved to 72/245/EEC as last amended by 95/54/EC.

INPUT VOLTAGE

12 Volt nominal vehicle supply - (10-15 volts).

OUTPUT VOLTAGE

24V $\pm 5\%$ @ 22A

OUTPUT LOAD CURRENT

22A continuous 26A intermittent.

NO LOAD INPUT CURRENT

Maximum 300mA typical 120mA @ 12V input.

PROTECTION

Output overload and over temperature protection with fully automatic reset.

OPERATING TEMPERATURE

Maximum 70°C. Minimum -30°C

SIZE AND WEIGHT

Length: 180mm Height: 46 mm Width: 110mm
925g

CONNECTIONS

200mm flying leads of thin wall auto cable.

12V Input	
Positive	brown
24V Output	
Positive	blue
Common	black

