

HMS01.1N-W0036-A-07-NNNN

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	hms011n-w0036-a-07-nnnn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Bosch Rexroth
Part Number	HMS01.1N-W0036-A-07-NNNN
Product Type	Single-Axis Inverter
Nominal DC Bus Voltage	700 V
Rated Maximum Current	36 A
Cooling Type	Internal Air with Integrated Blower
Protection Class	IP20
Power Dissipation	210 W
Rated Power Consumption	15 W
Dimensions	440 x 262 x 50 mm
Weight	5.27 kg

Description

The Bosch Rexroth HMS01.1N-W0036-A-07-NNNN is a single-axis inverter designed for precise motion control in industrial automation systems. Operating with a nominal DC bus voltage of 700 V, it delivers a rated maximum current of 36 A, making it suitable for high-demand applications. The unit features internal air cooling with an integrated blower, ensuring efficient thermal management during continuous operation. Its IP20 protection rating supports use in control cabinets and other protected environments. The absence of a built-in power supply allows for flexible integration into existing systems, requiring an external 24V DC power source. The inverter supports a 0 to 1000 Hz output frequency range and 3 x 0 to 500 V AC output voltage, providing versatility for various applications. With a compact design measuring 440 x 262 x 50 mm and weighing approximately 5.27 kg, it is designed for easy integration into existing systems. The device complies with DIN EN 60529 for IP20 protection and a pollution degree of 2. Its short circuit current rating is 42,000 Arms, ensuring robust protection against electrical faults. The power dissipation is 210 W during continuous DC bus operation, and the rated power consumption for the control voltage input is 15 W. The unit includes an X6 connector for motor holding brake control and temperature monitoring, enhancing its functionality in motion control applications.