

## HMS01.1N-W0070-A-07-NNNN

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	hms011n-w0070-a-07-nnnn
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Product Type</b>	Single Axis Inverter System
<b>Input Voltage Range</b>	254 V to 750 V DC
<b>Output Voltage Range</b>	0 to 500 V AC
<b>Rated Maximum Current</b>	70 A
<b>Continuous Output Current</b>	42.4 A
<b>Power Consumption</b>	16 W
<b>Cooling Type</b>	Internal Air with Integrated Blower
<b>Protection Class</b>	IP20
<b>Communication Interfaces</b>	EtherCAT, Sercos
<b>Encoder Compatibility</b>	Standard Encoders

### Description

The Indramat HMS01.1N-W0070-A-07-NNNN is a single-axis inverter from the HMS series, designed for precise control of industrial motors in automation systems. Operating with a nominal DC bus voltage of 700 V, it accepts input voltages ranging from 254 V to 750 V DC and delivers an output voltage range of 0 to 500 V AC. The inverter supports a rated maximum current of 70 A and a continuous output current of 42.4 A, with a power consumption of 16 W. It features internal air cooling with an integrated blower and is housed in an IP20 enclosure, making it suitable for standard industrial environments. The device is compatible with EtherCAT and Sercos communication interfaces and supports various standard encoders. Additionally, it includes a Safe Torque Off (STO) function for enhanced safety. This inverter is ideal for applications requiring precise speed and torque control, such as robotics, material handling, and automated assembly lines.