

HMS01.1N-W0054-A-07-NNNN

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	hms011n-w0054-a-07-nnnn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	6.80 kgs
Voltage	500 V
Product Type	Drive
Signal Type	750
Signal Level	750 V
Relay Specifications	500 VAC
Current	40 A
Frequency	1600 Hz

Description

The Bosch Rexroth HMS01.1N-W0054-A-07-NNNN is a single-axis drive controller from the IndraDrive M series, engineered for precise motion control in industrial automation environments. Designed without an integrated power supply, it requires an external 24VDC power source, such as an HMV unit. The controller operates with a nominal DC bus voltage of 700V and supports a rated maximum current of 54A, making it suitable for demanding applications requiring robust and reliable performance. Cooling is achieved through internal air circulation with an integrated blower, ensuring consistent thermal management under continuous operation. The device is housed in an IP20-rated enclosure, providing protection against solid objects, and is designed for integration within an IndraDyn M drive controller. It features terminals A1, A2, and A3, all equipped with short circuit protection against each other and the ground. The connection screws have a tightening torque range from 1.5Nm to 1.8Nm, with the connection cable featuring a cross-sectional area from 1.5mm² up to 16mm². The controller also includes a HAS05 adapter for DC bus and RS232/485 conversions, a HAS02 shield connection, and supports motor holding brake control via an integrated contact element. This model is ideal for applications in robotics, packaging, and assembly, where precise motor control and high dynamic response are essential.