

## HDD02.2-W016N-HD32-01-FW

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	hdd022-w016n-hd32-01-fw
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	2.27 kgs
<b>Current</b>	16 A
<b>Product Type</b>	Drive
<b>Current Rating</b>	16 A
<b>Cooling Method</b>	Internal Air (Built-In Blower)
<b>Command Interface</b>	SERCOS
<b>Ground Connections</b>	2
<b>Maximum Cable Length</b>	75 m
<b>Shield Attachment Connector</b>	XS1
<b>Orientation Requirement</b>	Specific orientation for proper heat dissipation
<b>Controller Family</b>	DIAX04

### Description

The Bosch Rexroth HDD02.2-W016N-HD32-01-FW is a high-performance drive controller from the DIAX04 series, engineered for precise motion control in industrial automation applications. Designed to handle a rated current of 16 A, this controller utilizes an internal air cooling system with a built-in blower to maintain optimal operating temperatures. It features SERCOS interface communication, ensuring seamless integration within automation systems. The controller requires two ground connections to the supply module: one via mounting rails and back wall, and another through a grounding clip at the front. For motor connections, it is essential to use motor power cables from the same manufacturer, with a maximum permissible length of 75 meters. The XS1 shield attachment connector facilitates secure mounting of the motor cable shield, enhancing system reliability. Proper installation and orientation are crucial to prevent overheating and ensure efficient cooling. The HDD02.2-W016N-HD32-01-FW is suitable for both single and multi-axis control applications, offering flexibility and scalability in automation setups.