

HDC01.1-A040N-PB01-01-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	hdc011-a040n-pb01-01-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	6.17 kgs
Current	2.3 A
Measurement Range	200 - 480
Product Type	Drive
Signal Level	480 V
Voltage	200 - 480 V
Interface Type	profibus
Relay Specifications	3 A

Description

The Indramat HDC01.1-A040N-PB01-01-FW is a drive controller from the HDC DuraDrive series, engineered for precise motion control in industrial applications. Designed by Indramat, a leader in automation technology, this controller offers robust performance and reliability. It operates with a rated current of 40A and supports a mains input voltage of 3×200–480 VAC ±10%, accommodating a wide range of industrial power systems. The integrated PROFIBUS-DP interface (version code 01) facilitates seamless communication, while the 9-pin X30 D-sub connector ensures secure connectivity. Cooling is achieved through natural convection with an externally mounted heatsink, eliminating the need for additional cooling components. The controller complies with Class A Group 2 noise emission standards per DIN EN 61800-3, ensuring minimal electromagnetic interference. It also features a connectable terminating resistor for RS485 bus integrity, with pins 3 and 8 on the X30 connector managing RS485+ and RS485– signals, conforming to EIA-RS-485 specifications. This drive controller is ideal for demanding motion control tasks in packaging, material handling, and machine tool applications, offering a combination of precision, durability, and ease of integration.