

HVE02.1-W018N

Industrial automation components

Manufacturer	Indramat
Catalog number	hve021-w018n
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	5.96 kgs
Power	18 kW
Voltage	380 - 480 V
Frequency	50 - 60 Hz
Horsepower	18 KW
Cooling Capacity	18 kW
Product Type	Module
Signal Type	480
Signal Level	480 V
Relay Specifications	480 VAC

Description

The Indramat HVE02.1-W018N is a high-performance power supply unit designed for industrial automation applications. Manufactured by Indramat, a division of Bosch Rexroth, this unit delivers a rated power of 18 kW, operating efficiently within a voltage range of 380 to 480 V AC and a frequency of 50 to 60 Hz. It provides an unregulated DC bus voltage between 530 and 670 V, suitable for powering multiple drive controllers simultaneously. The unit features internal air cooling with a built-in blower, ensuring optimal thermal management. It offers a continuous bleeder power of 1 kW and can handle peak bleeder power up to 100 kW, effectively dissipating regenerated energy during braking events. With an input power draw of 500 VA at full load, it maintains energy efficiency. The HVE02.1-W018N is housed in a compact design, weighing 13 kg, and is rated with an IP10 protection class, indicating suitability for clean environments. Its operating temperature ranges from 5 to 45 °C, with a storage temperature between -30 and 85 °C, and it can function up to an elevation of 1000 meters above sea level. This power supply unit is ideal for applications in industries such as printing, packaging, machine tools, and food processing, where reliable and efficient power supply is crucial for drive systems.