MDS-B-CV-300-LEISTUNGSPLATINE-IGBT

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-b-cv-300-leistungsplatine-igbt
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Mitsubishi Electric
Part Number	MDS-B-CV-300
Product Type	Power Supply Unit
Capacity	30 kW
Input Voltage	3-phase AC 200-230 V
Output Voltage	DC 270-311 V
Dimensions	150 x 380 x 300 mm
Weight	12.0 kg

Description

The Mitsubishi MDS-B-CV-300 is a high-performance power supply unit designed for Mitsubishi MELDAS CNC drive systems, commonly used in machine tools such as machining centers, lathes, and grinders. This unit efficiently converts a three-phase AC input into a regulated DC bus, supplying power to MDS servo and spindle drive units.

It boasts a rated capacity of approximately 30 kW, with an input of 3-phase AC 200-230 V and an output of DC 270-311 V. The MDS-B-CV-300 features a compact and lightweight design, integrating the converter section into a single unit to reduce installation space and weight.

It incorporates an Intelligent Power Module (IPM) to minimize heat generation and enhance energy efficiency. The unit also supports high-speed and precise processing, featuring a high-speed CPU and a sub-micron detector for improved interpolation and control.

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Additionally, it complies with European Safety Standards, ensuring reliable and safe operation in industrial environments.

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