E400G32022FRE-GDE

Industrial automation components

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Manufacturer	Siemens
Catalog number	e400g32022fre-gde
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	6DM1001-0WB00-2
Product Type	Current-Controlled Thyristor Power Unit
Rated Supply Voltage	2-phase 230/400V
Rated DC Output Current	22A
Rated Power	7 kW
Ambient Temperature Range	0 to +45°C
Storage and Transport Temperature Range	-30 to +85°C
Mounting	Vertical surface or cubicle
Weight	1.5 kg

Description

The Siemens E400G320/22 FRE-GDE, identified by part number 6DM1001-0WB00-2, is a current-controlled thyristor power unit designed for the field supply of DC shunt-wound motors. Operating within the MODULPAC C MINIREG "F33" series, this module supports 2-phase operation at 230/400V, 50/60 Hz, providing a rated DC output voltage of up to 320V and a rated DC output current of 22A.

It delivers approximately 7 kW of power at 400V supply voltage. The unit features a half-controlled single-phase bridge circuit with two thyristors, two diodes, and an additional free-wheeling diode, all mounted on an aluminum support plate that also serves as a heatsink.

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The current actual value is measured on the DC side using a chopper converter, ensuring precise current control. Designed for industrial applications, the module operates within an ambient temperature range of 0 to +45°C and has a storage and transport temperature range of -30 to +85°C.

It has a weight of approximately 1.5 kg and is intended for mounting on a vertical surface using four spacers or within a cubicle. This module is suitable for applications requiring reliable and efficient field supply for DC shunt-wound motors.