

SM10/20

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	sm1020
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	6.80 kgs
Product Type	Servo Inverter
Operating Voltage	380 V to 415 V AC
Rated Current	10 A
Peak Current	20 A
Ambient Temperature Range	0°C to 55°C
Storage Temperature Range	-25°C to 70°C
Cooling Method	Built-in Axial Blower
Maximum Operating Elevation	1000 meters

Description

The Bosch Rexroth SM10/20 is a modular servo inverter designed to precisely control the speed, position, and torque of industrial servo motors, particularly the SD motor series. This inverter operates on a three-phase power supply ranging from 380 V to 415 V, delivering a rated current of 10 A and a peak current of 20 A at a temperature of 45°C. It features a built-in axial blower for efficient heat dissipation and operates optimally within an ambient temperature range of 0°C to 55°C. The SM10/20 is suitable for installations up to 1000 meters above sea level and can be extended with additional diagnostic modules for enhanced fault monitoring. Its modular design allows for easy integration and scalability in various industrial automation applications.