

SM10/20-TC

Industrial automation components

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

Technical specification

Weight	6.80 kgs
Voltage	520 V
Current	10 A
Product Type	Drive
Signal Level	520 V
Signal Type	520

Description

The Bosch Rexroth SM10/20-TC is a high-performance AC inverter module designed for precise motor speed and torque control in industrial automation applications. Operating within a voltage range of 460V to 700V and supporting a three-phase power supply of 380V to 415V, it ensures compatibility with various industrial power systems. The module delivers a rated current of 10A and can handle peak currents up to 20A, accommodating dynamic load changes and rapid acceleration demands. Its modular design allows for expansion through additional modules, and it features an axial blower for efficient cooling. The SM10/20-TC operates within an ambient temperature range of 0°C to 55°C and can be installed at elevations up to 1,000 meters. Diagnostic capabilities are available through optional modules with LED indicators, and protective measures include current reduction after 2 seconds of maximum current input without movement and automatic response to short-circuited tacho lines. This inverter module is ideal for applications requiring precise motor control and reliable performance in demanding industrial environments.