

SM 5/10-TC1

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	sm-510-tc1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	1.12 kgs
Manufacturer	Bosch Rexroth
Part Number	SM 5/10-TC1
Product Type	Inverter Module
Peak Current	10 A
DC Link Voltage	460 V
Power Loss	90 W
Cooling System	24 V DC Axial Blower Fan
Operating Temperature Range	-25°C to 70°C

Description

The Bosch Rexroth SM 5/10-TC1 is a high-performance inverter module designed to enhance the operation of industrial servo motors. This module offers precise control over motor voltage and current, adapting in real-time to the required torque. It features a rotor position encoder system for accurate position control and integrates a brushless tachometer for enhanced speed regulation. The SM 5/10-TC1 operates with a DC link voltage of 460 V, supports a peak current of 10 A, and maintains power loss at a maximum of 90 W. Cooling is efficiently managed by a 24 V DC axial blower fan, ensuring optimal performance across a wide temperature range from -25°C to 70°C. This inverter module is ideal for applications requiring precise motion control and reliable performance in demanding industrial environments.