

### SM 5/10-TC

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	sm-510-tc
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	2.06 kgs
<b>Voltage</b>	DC
<b>Current</b>	5 A
<b>Manufacturer</b>	Bosch
<b>Signal Level</b>	520 V
<b>Relay Specifications</b>	5 A

### Description

The Bosch Rexroth SM 5/10-TC is a high-performance servo drive module designed for precise control of servo motors in industrial automation applications. Operating with a rated voltage of 460 V and a DC link voltage up to 700 V, it delivers a rated current of 5 A and a peak current of 10 A, ensuring robust performance in demanding environments. The module features integrated power semiconductors that regulate motor voltage and current based on torque requirements, enhancing efficiency and responsiveness. Its rotor position recognition function continuously monitors the rotor's exact position, enabling accurate motor control. With a maximum power loss of 90 W and a required power connection of 20 W, the SM 5/10-TC is engineered for energy efficiency. It operates optimally within a temperature range of 0°C to 55°C, making it suitable for various industrial settings. This module is part of Bosch Rexroth's Servodyn-T series, known for its reliability and advanced motion control capabilities.