

## SM10/20-TA

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	sm1020-ta
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	6.59 kgs
<b>Rated Current</b>	10 A
<b>Peak Current</b>	20 A
<b>Voltage Range</b>	380 V to 415 V
<b>Power Supply</b>	20 W
<b>Operating Temperature Range</b>	0°C to 55°C
<b>Storage Temperature Range</b>	-25°C to 70°C
<b>Cooling Method</b>	Axial blower (forced ventilation)
<b>Operational Elevation</b>	Up to 1,000 meters
<b>Diagnostics Module</b>	Optional
<b>Brand</b>	Bosch Rexroth
<b>Part Number</b>	SM10/20-TA

### Description

The Bosch Rexroth SM10/20-TA is a modular servo inverter system designed for precise control of servo motor speed and torque in industrial automation applications. Operating with a three-phase supply voltage of 380 V to 415 V, it delivers a rated current of 10 A and a peak current of 20 A at a temperature of 45°C. The system requires a 20 W power supply and has a maximum power loss of 90 W. It operates efficiently within an ambient temperature range of 0°C to 55°C and can be stored in temperatures between -25°C and 70°C. Cooling is achieved through an axial blower providing forced ventilation. The SM10/20-TA is suitable for installations up to 1,000 meters in elevation and can be coupled with a separate diagnostics module for efficient fault monitoring. This inverter system is ideal for applications requiring precise motion control, such as packaging machinery, material handling equipment, and solutions for aluminum smelters, hot and cold rolling, iron and steelmaking, and paint solutions.