

VM 100/R-T

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	vm-100r-t
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Connection Type	3/PE
Current Rating	100A
Voltage	DC520V
Phase	Three-phase
Mounting Type	Panel Mount
Protection Class	IP54
Power Factor	0.9

Description

The Bosch Rexroth VM100/R-T is a high-performance supply module designed for industrial automation systems. Part of the VM Amplifier Drives series, it delivers a robust 100A current rating and operates at a voltage of DC520V. This three-phase device features a 3/PE connection type and is suitable for panel mount installation, ensuring reliable integration into control cabinets. With an IP54 protection class, the VM100/R-T is built to withstand industrial environments, offering durability and consistent performance. Its power factor of 0.9 indicates efficient energy usage, making it a reliable choice for demanding applications. The module is engineered to support medium- to high-capacity systems, delivering higher output for various motors and devices. It is compatible with three-phase 380V 50Hz systems and is typically installed after the mains filter, starting circuit, and line reactor, with its output incorporated into the VM's input line. The VM100/R-T is also compatible with other Bosch servo modules, such as the SM, SPM, and KM series, facilitating seamless integration within a comprehensive automation system.