1PH8184-1DF10-0BB1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph8184-1df10-0bb1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1PH8184-1DF10-0BB1
Product Type	Synchronous Motor
Moc znamionowa	60 kW
Rated Torque	327 Nm
Rated Speed	1750 rpm
Rated Voltage	390 V
Rated Frequency	50 Hz
Rated Current	120 A
Efficiency	94.4 %
Power Factor	0.79
Protection Class	IP55

Description

The Siemens 1PH8184-1DF10-0BB1 is a high-performance synchronous motor from the SIMOTICS M-1PH8 series, designed for demanding industrial applications requiring precise speed and torque control. This motor features a rated power of 60 kW, delivering a rated torque of 327 Nm at a rated speed of 1,750 rpm.

It operates efficiently at a rated voltage of 390 V and a frequency of 50 Hz, with a rated current of 120 A. The motor boasts a high efficiency of 94.4% and a power factor of 0.79, ensuring optimal

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energy utilization.

Its robust construction includes a protection class of IP55, making it suitable for various industrial environments. The motor is equipped with an incremental encoder with a 22-bit resolution and a DRIVE-CLiQ interface, facilitating precise position feedback and seamless integration with Siemens drive systems.

The shaft is designed with a fitted key, and the motor is balanced according to standard vibration severity grade R/A, ensuring smooth operation. The terminal box is positioned above the motor with cable entry on the right side, and the signal connection is at the D-end, providing convenient installation options.

This motor is ideal for applications such as conveyor systems, pumps, and compressors, where reliable and efficient performance is essential.