

3HAC10544-1

Industrial automation components

Manufacturer	Abb
Catalog number	3hac10544-1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	8.48 kgs kg
Product Type	Servo Motor
Product Family	IRB 4400 Series
Control System	ABB IRC5 Compact Plus
Communication Protocol	EtherCAT
Compliance	Machinery Directive 2006/42/EC

Description

The ABB 3HAC10544-1 is a high-performance servo motor designed for precise motion control in industrial automation applications. Manufactured by ABB, a global leader in industrial automation, this motor is specifically engineered for the IRB 4400 series robotic arms, particularly the IRB 4400 M98A model. It serves as the sixth axis motor, providing the necessary torque and speed for complex robotic movements. Key features include compliance with the Machinery Directive 2006/42/EC, ensuring safety and reliability in operation. The motor's robust construction and advanced design make it suitable for demanding tasks in sectors such as automotive assembly, electronics manufacturing, and general industrial automation. Its compatibility with ABB's IRC5 Compact Plus control system and EtherCAT communication protocol ensures seamless integration into existing automation setups. The 3HAC10544-1's precise engineering and high-quality components contribute to enhanced productivity and operational efficiency in automated processes.