

MAC 071B-0-TS-4-C/095-A-1

Industrial automation components

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| Manufacturer | Bosch Rexroth |
| Catalog number | mac-071b-0-ts-4-c095-a-1 |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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| Motor Size | 71 mm |
| Nominal Speed | 3000 min ⁻¹ |
| Cooling Type | Natural Convection |
| Blocking Brake Torque | 3 Nm |
| Tacho Voltage | 3 V |
| Mass | 8.8 kg |
| Moment of Inertia | 9.9 kg·m ² |
| Power Connector | Side A |

Description

The Bosch Rexroth MAC071B-0-TS-4-C/095-A-1 is a high-performance AC servo motor engineered for precision motion control in industrial automation applications. Designed with a compact 71 mm frame size and a motor length of B, it offers a nominal speed of 3000 min⁻¹, ensuring rapid acceleration and deceleration cycles. The motor's natural convection cooling system efficiently dissipates heat, making it suitable for continuous operation without additional cooling mechanisms. Equipped with a standard 3 Nm blocking brake, it provides secure holding torque when power is removed, enhancing safety and reliability. The integrated standard tacho type delivers real-time speed feedback at a tacho voltage of 3 V, facilitating precise velocity control and closed-loop accuracy. With a mass of 8.8 kg and a low moment of inertia of 9.9 kg·m², the MAC071B-0-TS-4-C/095-A-1 achieves rapid dynamic response while maintaining stability under load. Its standardized Side A power connector simplifies installation and reduces wiring errors, streamlining the setup process. This servo motor is ideal for applications requiring rapid positioning and exacting repeatability, such as robotics, packaging, and material-handling systems. Backed by Bosch Rexroth's proven quality assurance, the MAC071B-0-TS-4-C/095-A-1 delivers dependable, long-life operation for advanced automation solutions.