1FT6062-6AC79-3AL9-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6062-6ac79-3al9-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	6.0 Nm
Rated Speed	3000 rpm
Cooling Method	Natural Cooling
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Shaft Design	Smooth Shaft with Circular Runout Tolerance N
Sealing Ring	Gamma Sealing Ring
Ingress Protection Rating	IP65

Description

The Siemens 1FT6062-6AC79-3AL9-Z is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This model features a rated torque of 6.0 Nm, a rated speed of 3000 rpm, and operates with natural cooling, eliminating the need for additional cooling systems.

It is equipped with an absolute encoder (EnDat 2048 S/R) for precise position feedback and has a smooth shaft design with a circular runout tolerance of N. The motor is rated for a vibration severity grade of R and comes with a Gamma sealing ring, providing an ingress protection rating of IP65.

These specifications make the 1FT6062-6AC79-3AL9-Z ideal for applications requiring high torque and speed stability in demanding environments.

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