# 1FG1504-1RF33-2FA1-Z

Industrial automation components

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|---|---|
| **Manufacturer** | Siemens |
| **Catalog number** | 1fg1504-1rf33-2fa1-z |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

| | |
|---|---|
| **Motor Type** | Permanent-magnet synchronous motor |
| **Gearbox Type** | Bevel geared B29 |
| **Rated Inverter Current** | 9.0 A |
| **Maximum Inverter Current** | 27.0 A |
| **Maximum Torque** | 34.0 Nm |
| **Holding Brake** | Permanent-magnet brake |
| **Power Supply Voltage** | DC 24 V ± 10 % |
| **Compliance Standards** | CE, UL, CSA, EAC, cRUus |

## Description

The Siemens 1FG1504-1RF33-2FA1-Z is a high-performance servo geared motor from the SIMOTICS S-1FG1 series, designed for precise motion control in industrial automation applications. This motor features a bevel geared B29 gearbox, providing efficient torque transmission and compact integration.

It operates with a rated inverter current of 9.0 A and a maximum inverter current of 27.0 A, delivering a maximum torque of 34.0 Nm. The motor is equipped with a permanent-magnet synchronous motor type, offering high efficiency and reliability.

It includes a holding brake with a permanent-magnet brake version, ensuring secure operation during stationary periods. The power supply voltage is DC 24 V ± 10 %, suitable for various industrial environments.

The motor complies with international standards, including CE, UL, CSA, EAC, and cRUus, ensuring safety and quality. This servo geared motor is ideal for applications requiring precise positioning

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and high torque in a compact form factor, such as robotics, conveyor systems, and automated machinery.

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