

SGMPS (Medium Inertia, Small Capacity)



- Flat type
- Mounted high-resolution serial encoder: 17 bits
- Protective structure: IP55

Application Examples

- Semiconductor equipment
- Chip mounters
- PCB drilling stations
- Robots
- Material handling machines
- Food processing equipment

Voltage	200 V
Rated Output	100 W to 1.5 kW
Rated Speed/ Max. Speed (min ⁻¹)	3000/6000

Options: Holding brake, gear, protective structure of IP67 compliance

SGMGV (Medium Inertia, Medium Capacity)



- High-speed driving of feed shafts for various machines
- Mounted serial high-resolution encoder: 20 bits
- Protective structure: IP67

Application Examples

- Machine tools
- Transfer machines
- Material handling machines
- Food processing equipment
- Metal processing machines

Voltage	200 V		400 V	
Rated Output	300 W to 7.5 kW	11 kW, 15 kW	300 W to 7.5 kW	11 kW, 15 kW
Rated Speed/ Max. Speed (min ⁻¹)	1500/3000	1500/2000	1500/3000	1500/2000

Options: Holding brake, oil seal

SGMSV (Low Inertia, Medium Capacity)



- Super high power rate
- Mounted serial high-resolution encoder: 20 bits
- Protective structure: IP67 (Not including the IP22 compliant enclosure for the 7.0 kW motor)

Application Examples

- Chip mounters
- PCB drilling stations
- Semiconductor equipment
- Robots
- Material handling machines

Voltage	200 V		400 V	
Rated Output	1.0 kW	1.5 kW to 7.0 kW	1.0 kW	1.5 kW to 5.0 kW
Rated Speed/ Max. Speed (min ⁻¹)	3000/6000	3000/5000	3000/6000	3000/5000

Options: Holding brake, oil seal

SGMZS (Certified Explosion Proof)

RoHS compliant only



- Compact and lightweight
- No connection required in the motor terminal box

Voltage	200 V	
Rated Output	2.96 kW	0.2 kW to 2.97 kW
Rated Speed/ Max. Speed (min ⁻¹)	2000/5000	3000/5000

Options: Holding brake, oil seal (no oil seal option for 0.2-kW motor)
 Notes: 1 Use SERVOPACKs with three-phase 200 VAC input.
 2 The 0.2-kW motor has a SERVOPACK that is powered by single-phase, 200 VAC input.

Usage Environment

Explosion Proof Designation (Scope of Certification)

Ex d IIB T4

Explosion proof sign

Explosion proof type:
Flameproof enclosure

Group: IIB

(Applicable for explosive gasses of classifications A and B)

Temperature class: T4

(Maximum Motor Flame temperature: <100°C ≤ 135°C)

Gas and Vapor Classification

Temperature Class	Explosion Class	IIB	IIB
T1	Acetone, benzene, ammonia, methanol, ethane, toluene, propane, methane, acetic acid	Acrylonitrile, hydrogen cyanide, cyclopropane, coke-oven gas	
T2	Ethanol, butanol, butane, methyl methacrylate	Ethylene, ethylene oxide, ethyl acrylate	
T3	Gasoline, hexane, pentane	Acrylic aldehyde, dimethyl ether	
T4	Acetaldehyde, trimethylamine	Ethyl methyl ether, diethyl ether	
T5			
T6	Nitrous ether		

Applicable range