Spur Gear Motor GMS2768

Request a Quote
Name
WhatsApp
CAPTCHA
Submit

Spur Gear Motor GMS2768

Main Applications

Smart Agriculture & Gardening

Automatic feeders, dosing mechanisms, adjustment devices, compact actuators, and other low-speed mechanisms requiring contr

Automotive / Mobility Electronics

Auxiliary opening/closing, ventilation, adjustment, or actuator mechanisms where compact geared output and electronic control are required; project-specific automotive validation is necessary.

Smart Home

Electric curtains, smart blinds, appliance actuators, smart bins, compact opening/closing mechanisms, and other controlled low-speed drives.

Medical & Laboratory Equipment

Compact adjustment, dispensing, transport, or actuation modules where speed control and feedback integration are required; final validation must follow the customer device standard.

AI Robots

Light-duty joints, hatches, feeding mechanisms, cleaning modules, and auxiliary actuators requiring controlled low-speed transmission.

Industrial Automation

Small conveyors, feeders, sorting modules, fixtures, valve/door actuators, and controlled transmission mechanisms.

Commercial / Office Equipment

Vending, dispensing, access-control, ticketing, coffee-machine, and smart-locker mechanisms.

Custom Drive Applications

Non-standard mechanisms requiring customized ratio, speed, torque, electrical control, mounting, or output interface.

Applicati Points & Engineering Response

Request a Quote

Contact Us

FAQ

Q1. What applications are best suited for a DC spur gear motor?

DC spur gear motors are well suited to compact mechanisms with relatively stable loads that require mature transmission architecture, efficient speed reduction, cost control, and repeatable volume production. Typical uses include feeding, opening/closing adjustment, dispensing, locking, and small automation mechanisms.

Q2. What information is needed to select the correct gearmotor?

Please provide the operating voltage, target output speed, continuous/start/peak torque, installation space, output interface, duty cycle, daily cycle count, allowable current, noise target, environment, expected life, and any control or feedback requirements.

Q3. How should jam or locked-rotor conditions be handled?

Normal operating torque and jam peak torque should be evaluated separately. The motor should not be selected by locked-rotor torque alone. Current limiting, action timeout, reverse-release logic, mechanical limits, or other protection should be designed at system level.

Q4. Can the motor parameters and control interface be customized?

Yes. According to the supplied family material, gearbox and motor parameters can be customized. Voltage, ratio, speed, torque, wiring, connector, PWM/FG/direction interface, and mechanical mounting can be evaluated according to the project requirement.

Q5. How do I place an order with Shunli Motor?

Please send us your application requirements or motor specifications. Our engineering team will confirm the technical details and provide a suitable solution and samples for evaluation. After sampl[illegible]l, mass production can be arra[illegible]rding to the

Request a Quote

confirmed specification and delivery requirement.

Share:

Inquire Now

Next Product

Contact Us

Product Overview

12 VDC electronically controlled spur gear motor | 1:73 reference ratio with PWM / FG / direction interface The GMS2768 Series is a compact 12 VDC spur gear motor designed for low-speed mechanisms that require geared torque output, electronic speed control, and feedback integration in a limited installation space. The supplied engineering drawing identifies reference model GMS6728MBL3025D012-73K, while the product-family parameter sheet lists a 1:73 reduction ratio, 12 V operating voltage, 35-55 RPM rated-speed reference, up to 12 kgf·cm rated torque, and up to 50 kgf·cm locked-rotor torque. The drawing also provides a five-wire VCC / GND / PWM / FG / FR interface, supporting speed-command, feedback, and direction-related system integration. This configuration can be evaluated for smart appliances, vending and dispensing mechanisms, industrial automation modules, access-control devices, and other OEM drive systems requiring compact low-speed output and electronic control.

Model Information

Reference Model	Product Family	Ratio	Rated Voltage	Product Category
GMS6728MBL3025D012-73K	GMS2768	1:73	12 VDC	DC Spur Gear Motor / Electronic Control

Reference Model	Ratio	Rated Voltage	No-Load Speed	Rated Sp
GMS6728MBL3025D012-73K	1:73	12 VDC	Source sheet states "440RPM~64RPM"*	35-55 RPM referenc

Reference Gear Ratio	1:73
Overall dimension reference	67.4 mm (family sheet / drawing reference)
Rated torque reference	Up to 12 kgf·cm
Locked-rotor torque reference	Up to 50 kgf·cm

Request a Quote

Customization	Gearbox and motor parameters can be customized
Pin 1	**Yellow - VCC**
Pin 2	Blue - GND
Pin 3	Black - PWM
Pin 4	Red - FG
Pin 5	Green - FR
Connector	HY2.0 5P terminal shown in drawing

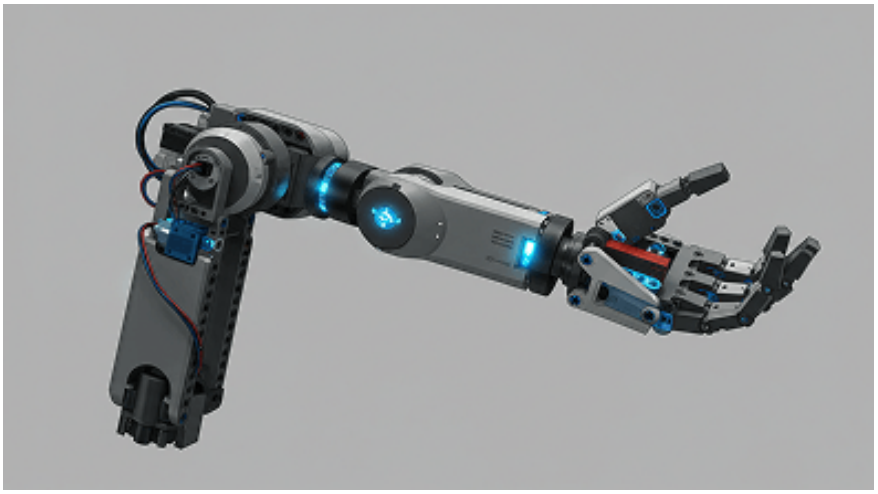
Contact Us

Main Parameters

Dimension Drawing

Contact us for the dimension drawing of this model.

Main Applications



Industrial Automation

Industrial valves, dampers, gates, low-speed rotary platforms, adjustment mechanisms, and compact actuators requiring right-angle transmission.

Customization Range

- Gear Ratio & Output Speed
- The supplied reference ratio is 1:73. Alternate ratio and target output speed can be evaluated against torque, current, noise, package size, and duty-cycle requirements.
- Voltage & Motor Operating Point

Request a Quote

Contact Us

- The family sheet identifies 12 V as the reference voltage and states that voltage can be customized. Final winding / electronic drive parameters should be co[illegible] engineering evaluation.
- Control Interface
- PWM, FG, FR, VCC, GND, connector style, wire length, and controller-side logic can be evaluated according to the project specification.
- Mechanical Interface
- Mounting features, gearbox interface, output gear/shaft arrangement, housing relationship, and cable routing can be reviewed from custom[illegible]
- Performance Matching
- Target speed, continuous torque, startup/peak load, allowable current, action time, and stall-protection strategy should be matched as one system.
- Noise & Reliability
- Gear mesh, lubrication, motor speed, assembly consistency, temperature rise, cycle life, and complete-device resonance can be optimized and validated for the target application.

FAQ

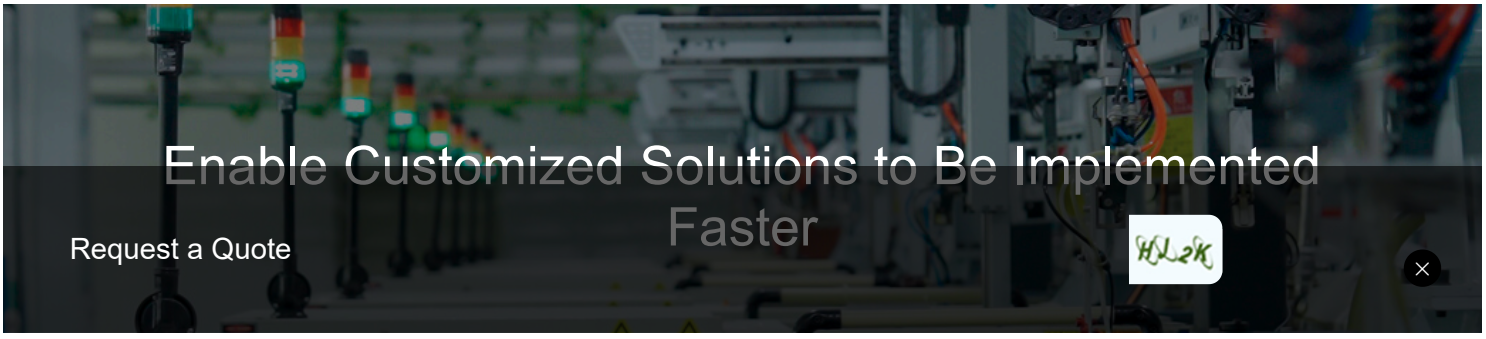
Q1: What types of projects are best suited to the GM58EM DC Worm Gear Motor?

Yes. Provide the product structure, space, load, and motion requirements, and our engineering team can assist with parameter conversion and solution evaluation.

Q2: What types of projects are best suited to the GM58EM DC Worm Gear Motor?

Q3: What types of projects are best suited to the GM58EM DC Worm Gear Motor?

Q4: What types of projects are best suited to the GM58EM DC Worm Gear Motor?



Related Products



Spur gear motor GM16

We offer standard products in high, medium, and low power ranges,...

View More



Spur gear motor GM16

We offer standard products in high, medium, and low power ranges,...

View More



Spur gear motor GM16

We offer standard products in high, medium, and low power ranges,...

View More

Copyright @ Shenzhen Shunli Motor Co., Ltd. All Rights Reserved | Powered by Reanod

Request a Quote