



GEIGER GJ56.. E06/E07

Product Datasheet



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MORE THAN SIMPLE VENETIAN BLIND MOTORS WITH ELECTRONIC END STOP

Venetian blind motors, series GJ56.. E06/E07

Our electric motors GJ56.. with mechanical end stop and GJ56.. E with electronic end stop have proved successful in daily use millions of times. Both drives are characterized by their reliable and proven components, the safe and quick installation in all standard head rails and the optimum torque values.

Setting the end stops

The end positions can be set easily and quickly with any standard setting cable.

If no setting cable is available you can activate the limit stop switch and the DOWN key on the Venetian blind switch in order to activate the programming mode on the motor.

Focusing on the development of new technologies and innovative projects but also on improving the tried and tested, Geiger has now combined the advantages of a mechanical and an electronic shutdown on the GJ56.. series. Thus we designed a Venetian blind motor that is equipped with both an electronic end stop and a limit stop switch.

The limit stop switch of the GJ56.. E06/E07 has two functions:

- as shutdown in the upper end position (when the upper end position is not set)
- as reference point in order to reposition the upper end stop in case of modified winding of the lifting tapes.

Using the limit stop switch as reference point ensures an accurate positioning of the upper end stop over the years.

Obstacle detection and anti-freeze protection

The Venetian blind motors of the series GJ56.. E06/ E07 have an overload detection in the UP direction. Thus, the lifting tapes will not get damaged even

if the end rail is frozen or if an object prevents the opening of the blind.

MADE BY GEIGER

Geiger relies on Germany as production location: the Geiger GJ56., like all Geiger motors, is developed and produced in Germany. This situation allows an optimal combination of R & D, manufacturing processes and quality management.

Our clients benefit from:

- Low noise motors
- Low energy consumption, a big plus factor today
- Low heating of the engine and therefore an unusual long running time

Referencing

The special feature of this motor is an absolutely unique referencing of the upper position. This typical situation is quite familiar: the upper position is to be set very accurately so that the sun protection device looks good and after a few weeks it could be done all over again!

Fortunately this situation belongs to the past with the unique referencing of the series GJ56.. E06/E07.

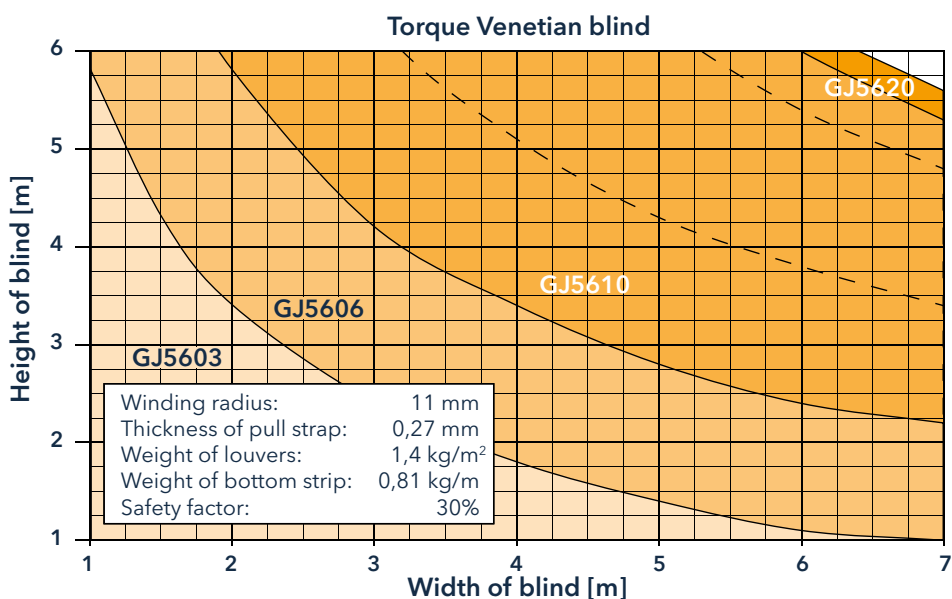
Reference runs after 5, 20 and then every 50 cycles allow an accurate positioning of the upper end stop over the years. Of course the referencing can be switched on and off at any time.

The GJ56.. E07 version

The GJ56.. E06 is also available as SMI-version GJ56.. E07. Applications with SMI require utmost precision and accuracy - exactly the right thing for the technically

superior Geiger Venetian blind motor GJ56.. E07. With this motor a SMI controller can satisfy even the highest expectations.

Torques



GJ56.. E06 - Premium electronic drive

- Adjustable end positions with any setting cable
- With limit stop switch for safety shutdown
- With optional limit stop switch as reference point for belt length adjustment
- Dynamic torque shutdown
- Parallel connection
- Starting time: about 100 ms
- With 3, 6, 10 and 20 Nm, different cable lengths are available

Your advantage - 5-fold safety through:

- ▶ Proven engine and braking system
- ▶ Motor intelligence: torque shutdown in case of overload
- ▶ Shutdown via limit stop switch optionally possible
- ▶ Referencing can be enabled/disabled
- ▶ Anti-freeze protection



GJ56.. E07 - Premium electronic drive SMI

- Adjustable end positions with any setting cable
- With limit stop switch for safety shutdown
- Parallel connection and individual control of max. 16 SMI motors with SMI actuator
- Starting time: about 100 ms
- Suitable for Venetian blind systems with automatic solar tracking
- With 3, 6, 10 and 20 Nm, different cable lengths are available

Your advantage - 6-fold safety through:

- ▶ Proven engine and braking system
- ▶ Motor intelligence: torque shutdown in case of overload
- ▶ Shutdown via limit stop switch optionally possible
- ▶ Referencing can be enabled/disabled
- ▶ Feedback "position" to building control
- ▶ Feedback "defect" to building control



Technical data GJ56.. E06/E07 with electronic end stop (Premium electronic)

| | GJ5603k E.. | GJ5606k E.. | GJ5606 E.. ¹⁾ | GJ5610 E.. | GJ5620 E.. |
|-------------------------------------|-----------------|-----------------|--------------------------|-----------------|-----------------|
| Voltage | 230 V~/50 Hz | 230 V~/50 Hz | 230 V~/50 Hz | 230 V~/50 Hz | 230 V~/50 Hz |
| Current | 0,40 A | 0,40 A | 0,40 A | 0,60 A | 0,85 A |
| Cos Phi (cosφ) | > 0,95 | > 0,95 | > 0,95 | > 0,95 | > 0,95 |
| Inrush current (factor) | x 1,2 | x 1,2 | x 1,2 | x 1,2 | x 1,2 |
| Power | 90 W | 93 W | 90 W | 135 W | 190 W |
| Torque | 3 Nm | 6 Nm | 6 Nm | 10 Nm | 2 x 10 Nm |
| Speed | 26 1/min | 26 1/min | 26 1/min | 26 1/min | 26 1/min |
| Protection class | IP 54 | IP 54 | IP 54 | IP 54 | IP 54 |
| Limit switch range | 200 rotations | 200 rotations | 200 rotations | 200 rotations | 200 rotations |
| Operating mode | S2 4 min. | S2 4 min. | S2 6 min. | S2 4 min. | S2 4 min. |
| Total length (with coupling) | 319,5 mm | 319,5 mm | 324,5 mm | 329,5 mm | 356,7 mm |
| Diameter | 55 mm | 55 mm | 55 mm | 55 mm | 55 mm |
| Weight | approx. 1,50 kg | approx. 1,50 kg | approx. 1,60 kg | approx. 1,70 kg | approx. 2,20 kg |

¹⁾ Run-time optimized version

CONNECTING CABLES AND SETTING SWITCHES

Please find below different types of pluggable connecting cables and accessories for the E06/E07 series:



M56E... | Connecting cables for GJ56.. E06

Features

- Suitable for in- and outside
- UV resistant
- Halogen-free
- Temperature range -25°C up to 60°C
- Cable designation: 05RR-F 4G 0.75mm²

| Part Nr. | Length [cm] | Cable end A | Cable end B |
|----------|-------------|-------------|----------------|
| M56E462 | 90 | Geiger plug | STAS 3 |
| M56E627 | 50 | Geiger plug | STAS 3 |
| M56E628 | 300 | Geiger plug | open end cable |



M56E... | Connecting cables for GJ56.. E07

Features

- Suitable for in- and outside
- UV resistant
- Halogen-free
- Temperature range -25°C up to 60°C
- Cable designation: 05RR-F 5G 0.75mm²

| Part Nr. | Length [cm] | Cable end A | Cable end B |
|----------|-------------|-------------|----------------|
| M56E463 | 90 | Geiger plug | STAS 4 |
| M56E630 | 50 | Geiger plug | STAS 4 |
| M56E631 | 300 | Geiger plug | open end cable |
| M56E632 | 700 | Geiger plug | open end cable |

M56.... | Setting switch

Note

- A 5-wire setting switch M56F152 or M56F153 is required for SMI motors
- SMI being a standard, any setting switch of the SMI group can be used



| Part Nr. | Description |
|----------|---|
| M56F152 | with service terminal (D), 5 wires, SMI compatible |
| M56F153 | with service terminal (CH), 5 wires, SMI compatible |
| M56F154 | with service terminal (D), 4 wires |
| M56E399 | Adaptation cable with STAK3 and open cable ends |
| M56E658 | Adaptation cable with STAK4 and open cable ends |

M56K... | Hirschmann connections

Note

- STAK4 coupling pieces and STAS4 plugs are required for connection with SMI motors



| Part Nr. | Description |
|----------|---|
| M56K087 | Hirschmann STAS4 N V0 plug, grey |
| M56K179 | Hirschmann STAS4 N V0 plug, black |
| M56K180 | Hirschmann STAK4 N V0 coupling piece, black |
| M56K088 | Hirschmann STAS4 safety bracket (no printing) |