



## 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.

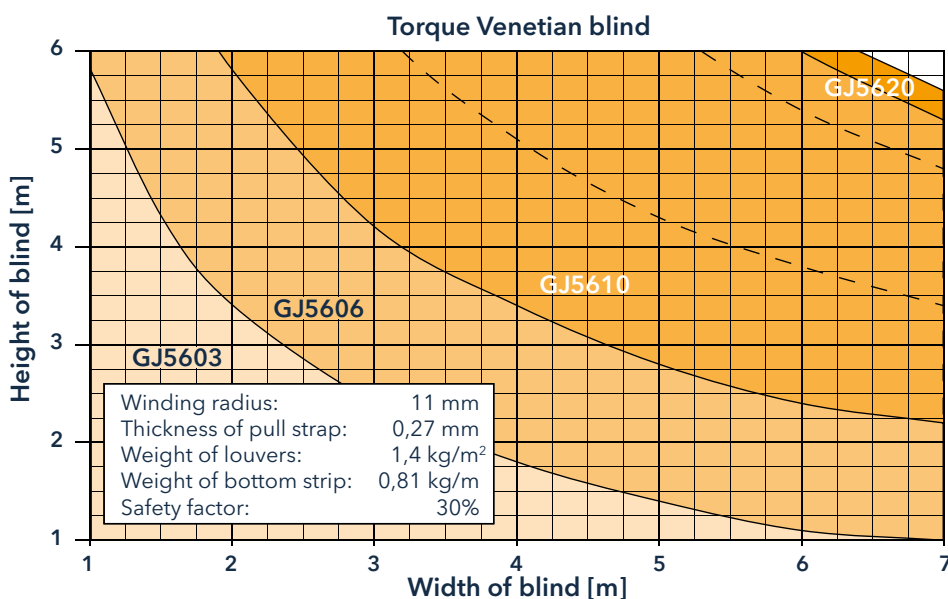
Reference runs after 5, 20 and then every 50 cycles allow an accurate positioning of the upper end stop over the years. Of course the referencing can be switched on and off at any time.

## 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 - 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
- ▶ Feedback "position" to building control



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

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

<sup>1)</sup> 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 0.75mm<sup>2</sup>

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 0.75mm<sup>2</sup>

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

## 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 STASI4 safety bracket (no printing)