



## GEIGER GJ56.. E14

### Product Datasheet



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## MORE THAN SIMPLE VENETIAN BLIND MOTORS ... WITH ELECTRONIC END STOP

### Venetian blind motors, series GJ56..

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.. E14 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.

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# 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

## Obstacle detection and anti-freeze protection

The Venetian blind motors of the series GJ56.. E14 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.

## Referencing

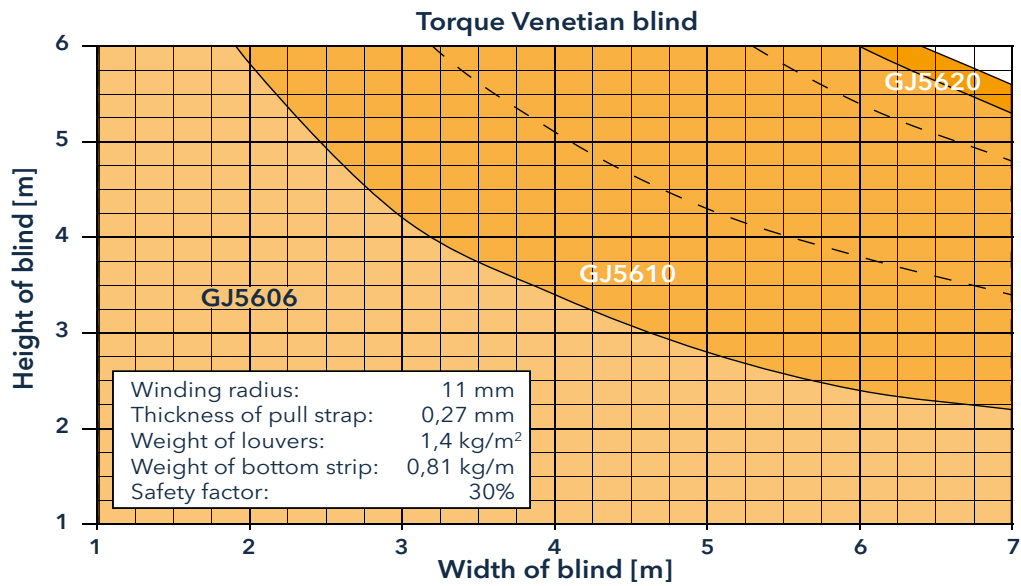
The special feature of this motor is an absolutely unique referencing of the upper position. This typical situation is quite familiar: the upper position is to be set very accurately so that the sun protection device looks good and after a few weeks it could be done all over again! Fortunately this situation belongs to the past with the unique referencing of the series GJ56.. E14.

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.

## Delivery state

The GJ56.. E14 can be reset to the delivery state for 20...30 s via the sequence UP-DOWN-UP-UP and then UP+DOWN.

## Torques



### GJ56.. E14 - Standard 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 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



#### Technical data GJ56.. E14 with electronic end stop (standard electronic)

	GJ5606k E14	GJ5606 E14 <sup>1)</sup>	GJ5610 E14	GJ5620 E14
<b>Voltage</b>	230V~/50Hz	230V~/50Hz	230V~/50Hz	230V~/50Hz
<b>Current</b>	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
<b>Inrush current (factor)</b>	x 1,2	x 1,2	x 1,2	x 1,2
<b>Power</b>	93 W	90 W	135 W	190 W
<b>Torque</b>	6 Nm	6 Nm	10 Nm	2 x 10 Nm
<b>Speed</b>	26 rpm	26 rpm	26 rpm	26 rpm
<b>Protection class</b>	IP 54	IP 54	IP 54	IP 54
<b>Limit switch range</b>	∞	∞	∞	∞
<b>Operating mode</b>	S2 4 min.	S2 6 min.	S2 4 min.	S2 4 min.
<b>Total length (with coupling)</b>	324,5 mm	329,5 mm	334,5 mm	361,7 mm
<b>Diameter</b>	55 mm	55 mm	55 mm	55 mm
<b>Weight</b>	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 SETTINGS SWITCHES

We know from experience how important pluggable connection cables are. That is why we will carry on this tradition with the new E14 series.



## M56E... | Connecting cables, black

### Features

- Various plug and connection ends available
- 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 No.	Length [cm]	Cable end A	Cable end B
M56K067	90	GEIGER plug	open cable end
M56E386	200	GEIGER plug	open cable end
M56E219	300	GEIGER plug	open cable end
M56K623	30	GEIGER plug	Hirschmann STAS3 plug
M56K066	50	GEIGER plug	Hirschmann STAS3 plug
M56K042	90	GEIGER plug	Hirschmann STAS3 plug
M56E378	150	GEIGER plug	Hirschmann STAS3 plug
M56E399	150	Hirschmann STAK3 coupling	open cable end
M56E281	200	Hirschmann STAK3 coupling	Hirschmann STAS3 plug

Other cable lengths and versions on request.



## M56.... | Setting switch

### Note

- For setting motors with electronic limit switch
- Various plug and connection ends available

Part No.	Description
M56F154	Setting switch with service terminal (D) / 4-wires
M56E399	Adapter cable with STAK3 and open cable ends



## M56K... | Hirschmann connections 3-pole

### Note

- Supplied without cable

Part No.	Description
M56K075	Hirschmann STAK3 coupling
M56K078	Hirschmann STAS3 plug
M56K079	Hirschmann STAS3 bracket