GEIGER
ANTRIEBSTECHNIK

GEIGER GJ56.. E17 SMI

Product data sheet

STANDARD MOTOR INTERFACE

Content

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. 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.

Setting the end stops

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

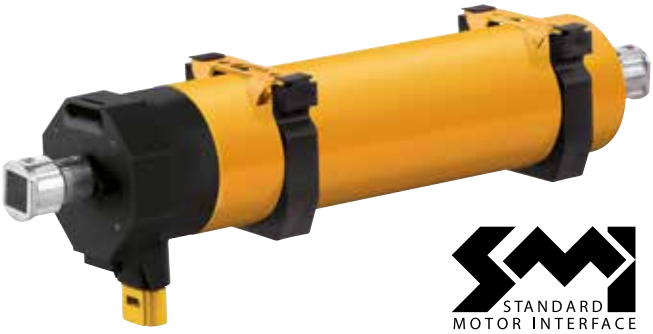
If no setting cable is available you can activate the limit stop switch and the DOWN key on the Venetian blind switch in order to activate the programming mode on the motor.

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.

GJ56.. E17 SMI
ELECTRONIC VENETIAN BLIND MOTOR



Einsatzbereich:

Raffstoren

Besonderheiten:

SMI

The GJ56.. E17 uses SMI 3.0 BF, the third generation of the standard motor interface protocol. This protocol, which is well established on the market, provides a uniform interface for building automation systems to control sun protection systems.

- **Status feedback**
  Feedback from the drive can be used to query the current position and motor status.

Dynamic torque shutdown

The self-learning torque shutdown detects changes in the curtain and adjusts accordingly to ensure consistent movement.

Curtain protection

- **Freeze protection**
  External blinds that are frozen to the end rail, for example, are detected and not torn off.
- **Obstacle detection in the UP direction**
  Protection of the system during retraction.
- **Safety shut-off**
  The GJ56.. E17 SMI series has a limit switch. This acts as an “emergency button” and protects the system from damage.

Referencing

Optional referencing allows compensation for changes in winding behavior. A reference run is performed every 50 cycles to check whether the end positions are correct. To do this, the blind is moved to the limit switch. The set end position is checked and corrected if necessary. This function can be deactivated using the adjustment cable.

Product advantages:

- Electronic limit switch
- Start-up time approx. 100 ms
- Up to 16 drives can be connected in parallel
- Plug-in connection cable available in various lengths
- Limit switch for safety shutdown
- Secure mounting in all standard head rails
- Proven motor and brake concept

Options:

- Extendable limit switch possible

Notes:

- Setting the end positions via adjustment switch, control switch, or the limit switch.

End position setting:

UP	*At the end	Down	*At the end
	To position		To position

*Stoppers and lift-up protection/rigid shaft connectors

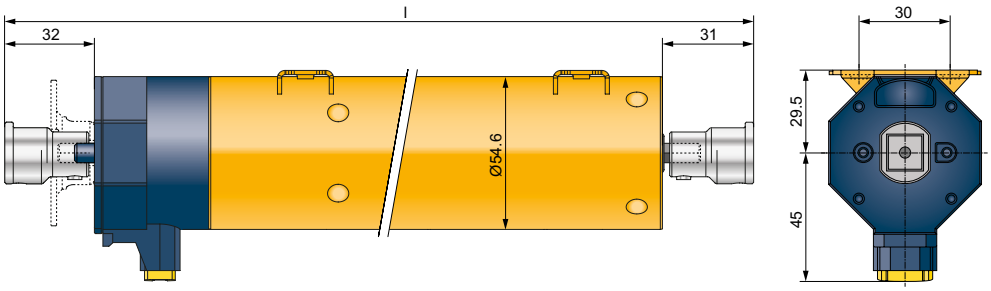
Technical data:

GJ56.. E17 SMI with electronic end stop				
	GJ5606k	**GJ5606[1)]**	**GJ5610**	**GJ5620**
Voltage	230 V~/50 Hz			
Current	0,40 A	0,40 A	0,60 A	0,85 A
Cos Phi (cosφ)	> 0,95			
Inrush Current (factor)	x 1,2			
Power	93 W	90 W	135 W	190 W
Torque	6 Nm	6 Nm	10 Nm	2 x 10 Nm
Speed	26 rpm			
Protection Class	IP 54			
Limit Switch Range	> 200 Umdrehungen			
Mode of Operation	S2 4 min.	S2 6 min.	S2 4 min.	S2 4 min.
Total Length [l] (with coupling)	371 mm	376 mm	381 mm	408 mm
Diameter	55 mm			
Weight	ca. 1,50 kg	ca. 1,60 kg	ca. 1,70 kg	ca. 2,20 kg
Ambient Humidity	Dry, non-condensing			
Storage Temperature	T = -15°C .. +70°C			

[1)] Run-time optimized version

Technical modifications reserved. For information on the ambient temperature range of GEIGER motors, please refer to www.geiger.de.

Drawings:



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... | Connection cable for GJ56.. E17 SMI

Features

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

Part.-No.	Length [cm]	Cable and A	Cable end B
M56E463	90	GEIGER plug	STAS 4
M56E630	50	GEIGER plug	STAS 4
M56E631	300	GEIGER plug	open cable end

Weitere Kabellängen und -ausführungen auf Anfrage.

M56.... | Setting switch

Note

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

Part-No.	Description
M56F152	with service clamp (D), 5 wires
M56F153	with service clamp (CH), 5 wires

M56K... | Hirschmann-Verbindungen 4-polig

Hinweis

- Für den Anschluss sind bei SMI STAK4-Kupplungen bzw. STAS4-Stecker notwendig
- Lieferung ohne Leitung

Part-No.	Description
M56K087	Hirschmann STAS4 N V0 plug, gray
M56K179	Hirschmann STAS4 N V0 plug, black
M56K180	Hirschmann STAK4 N V0 clutch, black
M56K088	Hirschmann STASI4 Safety bracket (without embossing)

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