



# GEIGER VariousWireless-X01

## Product Datasheet



**GEIGER**  
ANTRIEBSTECHNIK

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## GEIGER VariousWireless-X01 - for increased efficiency in the assembly of rolling shutters ...

### Problem and solution

#### Assembly efficiency

■ **Problem:** The installation of rolling shutters just takes too long. Again and again the final positions have to be adjusted until the fit is perfect.

► **Solution:** The GEIGER VariousWireless-X01 ensures an extremely fast programming: Plug & Play. This saves assembly time and money.

#### Life time of the rolling shutter system

■ **Problem:** Rolling shutter systems are exposed to extreme conditions. Many shutter drives set the curtain under permanent tensile stress: this can over time damage the system.

► **Solution:** The GEIGER VariousWireless-X01 has an intelligent curtain protection function. It protects the blind from unnecessary tension. The shutter has just a longer life time and keeps looking its best.

#### Everything from one source

■ **Problem:** When motors and accessories come from different manufacturers, assembly problems, operational malfunction or even damage might be resulting in individual cases.

► **Solution:** We provide you on request with the GEIGER anti-lift device which is especially adapted to the GEIGER VariousWireless-X01.



## Made by GEIGER

GEIGER relies on Germany as production location: The GEIGER SOLIDline, 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

## Design and features

The GEIGER VariousWireless-X01 meets two market requirements in a quite unusual way:

- ▶ Installation with true Plug & Play
- ▶ Protection of the rolling shutter system with the Soft function

... a well-conceived system: Plug & Play & Soft

## True Plug & Play

The GEIGER VariousWireless-X01 simplifies the installation significantly. Only one start of the setting process and the upper and lower end positions are automatically programmed with torque cut-off. Done! Plug & Play!

## GEIGER Soft-system

### Soft motor intelligence

The GEIGER VariousWireless-X01 has a very sensitive intelligence which provides the typical GEIGER „soft shutdown“ in the upper positions, in order to achieve optimal protection of the curtain.

### Soft position

Torque shutdowns stress the rolling shutter system more than position shutdowns. Therefore, the GEIGER VariousWireless-X01 uses torque cut-offs in the upper end position only when absolute necessary: the programming runs and the reference runs after 50 cycles.

There is a torque cut-off in the lower end position at each cycle. This means that the anti-lift device is always operational in the lower end position. This makes it difficult, if not impossible, for intruders to lift the rolling shutter up.



## Functions

### Programming the end positions

The programming of the end positions is accomplished fully automatically through a very sensitive torque cut-off.

### Checking the end positions

The correction of the end positions is also accomplished through a sensitive torque cut-off with reference runs after the first 5 and 20 cycles and then after 50 cycles.

Between these reference runs the curtain stops a few millimetres before the shutter box is reached in the upper end position so that there is no permanent tensile load on the curtain.

### Delayed teach-in

The motor learns its actual end positions only during the fifth driving cycle.

### Antifreeze protection

The GEIGER VariousWireless-X01 is equipped with an antifreeze protection in UP direction. The situation «curtain frozen to the window sill overnight» is recognized by the system and the curtain will not be damaged. The GEIGER Soft position also prevents the contact between bottom bar and box so that a freezing problem in the DOWN direction is excluded.

### Obstacle detection

The GEIGER VariousWireless-X01 has an obstacle detection in UP direction and a blocking detection in DOWN direction.

An obstacle detection in DOWN direction is available upon request and in coordination with our customers. This provides an extra safety protection especially in relation with balcony and patio doors.



SOLIDline-SOC



SOLIDline-COM



SOLIDline-KS



SOLIDline-SIL

## Quick Guide to Commissioning

### Programming the transmitter:

- |  |   |                  |
|--|---|------------------|
| 1. Select the channel and press the UP/ DOWN key and keep it pressed close to the cable. | 2. Switch on power supply.<br><i>The motor confirms with two short movements.</i> | 3. <b>READY!</b> |
|--|---|------------------|

### Programming the end positions:

- |   |   |                  |
|---|---|------------------|
| 1. Run the shutter to the lower end position with the UP/DOWN key.<br><i>The motor runs the shutter to the lower end position, shuts off, runs the shutter to the upper end position and shuts off again.</i> | 2. <i>The motor confirms the programming of the end positions with 4 short movements. If the procedure is cancelled during the four movements, the programming process can be repeated.</i> | 3. <b>READY!</b> |
|---|---|------------------|

## SOLIDline motor heads

All SOLIDline motors are available with four different motor heads:

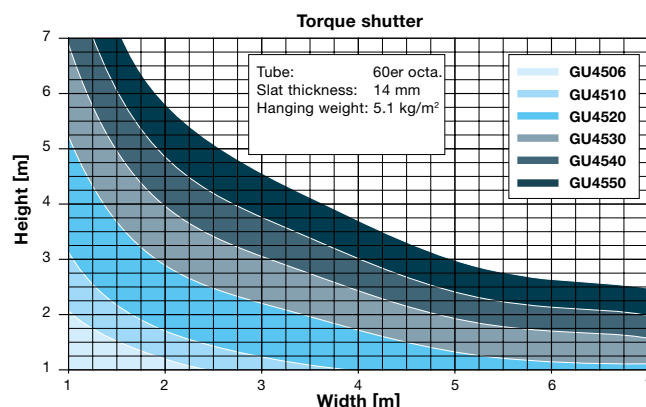
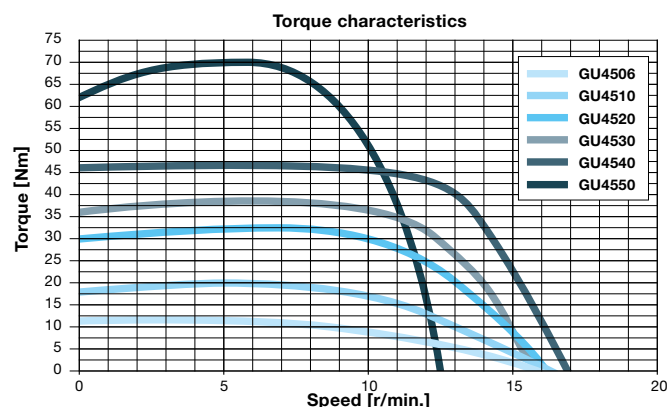
- The **SOC motor head** is optimally designed for installation with star shaped fixation systems. The motor head is universally applicable in the rolling shutter area also together with traditional fastening systems.
- The extremely thin **COM motor head** offers the possibility to optimize the fabric width for screens and facade awnings. The sun protection system can be designed independently from the selected drive. Light slots should be minimized or avoided altogether – as in ZIP screens.
- The extremely narrow **KS motor head** made of plastic is best suited for all GEIGER fixation systems in order to provide quick and easy assembly/disassembly with low space requirement.
- With the **SIL motor head** GEIGER has found a new solution in order to prevent noise emissions. Due to special bearings with rubber inserts noise and vibration are not transmitted in the system and the masonry.

### GEIGER anti-lift device



Available with 2 or 3 elements for mini and maxi profiles.

## Technical data



Technical data of tubular motor SOLIDline-SOC (GU45..)					
	GU4510	GU4520	GU4530	GU4540	GU4550
Voltage	230V~/50Hz				
Current	0,47 A	0,63 A	0,8 A	1,0 A	1,0 A
Cos Phi (cosφ)	>0,95				
Inrush current (factor)	x 1,2				
Power	105 W	140 W	180 W	220 W	220 W
Torque	10 Nm	20 Nm	30 Nm	40 Nm	50 Nm
Speed	16 rpm	16 rpm	16 rpm	16 rpm	12 rpm
Protection class	IP 44				
Total length [l] <sup>1)</sup>	519,5 mm	549,5 mm	569,5 mm	589,5 mm	589,5 mm
Operating mode	S2 4 min	S2 5 min	S2 4 min	S2 4 min	S2 4 min
Sound pressure level <sup>2)</sup>	39 dB(A)	41 dB(A)	41 dB(A)	43 dB(A)	-
Diameter	45 mm				
Weight	ca. 1,90 kg	ca. 2,20 kg	ca. 2,40 kg	ca. 2,70 kg	ca. 2,70 kg
Storage temperature/Humidity	T = -15°C .. +70°C / dry and non-condensing place				

<sup>1)</sup> SOLIDline-COM + 0,5 mm / SOLIDline-KS: - 3 mm / SOLIDline-SIL: - 3 mm (without trunnion)

<sup>2)</sup> The average sound pressure level data are intended for guidance only. The values were determined by GEIGER at a distance of 1 m, with a hanging motor at idle speed and averaged over 10 seconds. There is no reference to any specific test standard.

Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under [www.geiger.de](http://www.geiger.de).



The name GEIGER Antriebstechnik is synonymous worldwide for drive solutions in the sun protection area.

Today we are with about 250 employees one of the leading manufacturers of mechanical and electrical drives for Venetian blinds, awnings and rolling shutters. GEIGER is a well-known, mid-sized company which offers worldwide drive components for the sun protection systems.