



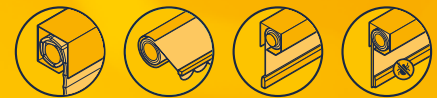
GEIGER VariousWireless

Product data sheet



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SOLIDline VariousWireless – the all-rounder

Problem and solution

Assembly efficiency

■ **Problem:** Radio motors offer much flexibility. And yet the different installation situations may require to use different types of motors.

► **Solution:** The all-rounder GEIGER VariousWireless solves this problem!
It is optimally suited for operation with rolling shutters, folding arm awnings and screens and provides another substantial increase in flexibility.

Lifetime of the rolling shutter system

■ **Problem:** Rolling shutter systems are exposed to extreme conditions such as sun, wind and temperature. Moreover many shutter drives set the curtain under permanent tensile stress: this can over time damage the whole system.

► **Solution:** The GEIGER VariousWireless has an intelligent curtain protection function. It protects the curtain from unnecessary tension. The rolling shutter remains in shape much longer – technically and optically.

One motor for all situations

■ **Problem:** Each rolling shutter is different: either with upper and lower stop or without stops or with one stop only. Awnings generally have no stops for the extended position. Various types of motors are required to cover the different situations.

► **Solution:** The GEIGER VariousWireless is best suited for all situations.
Stops and anti-lift device can be used – but are not obligatory. Maximum versatility is guaranteed.



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 meets several market requirements in a quite unusual way:

- ▶ Installation with manual positioning or
- ▶ Installation with automatic position detection (Plug & Play)
- ▶ Protection of the rolling shutter and awning systems with Soft-functions

... a well-conceived system: **GEIGER VariousWireless**

GEIGER Soft-functions

Plug & Play

The GEIGER VariousWireless simplifies the installation significantly: only one operation to the upper and the lower end stop for the rolling shutters with stops and anti-lift device. Done! Plug & Play!

Soft motor intelligence

The GEIGER VariousWireless has a very sensitive intelligence which provides the typical GEIGER „soft shutdown“ in the end 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 uses torque shutdowns only when absolute necessary. Torque shutdowns in the upper end position are only made for the programming run and the reference runs after 50 cycles. After installation, there are no further torque shutdowns in the lower end position.

When the end stops are reached, the curtain is no longer submitted to tensile loading – in 98% of the cases. Damages to the system are thus avoided. Moreover, a freezing over night of an angle end bar in the upper end position can also be prevented.

Functions

Programming the end positions

The programming of the end positions is accomplished through a very sensitive torque shutdown or through fixed positioning.

Checking the end positions

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

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



Antifreeze protection

The GEIGER VariousWireless 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 has a sensitive 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.

Intermediate position

An intermediate position can be used with the GEIGER VariousWireless. The customer can set it or change it in a very easy way with the remote control.

Setting the end stops

The GEIGER VariousWireless gives the technician the opportunity to react flexibly to the assembly situation on site. The GEIGER VariousWireless always fits – whether open style folding arm awnings or rolling shutters.

UP	*Stop on torque	DOWN	*Stop on torque
	Stop on free position		Stop on free position

* Rolling shutters: with stopper and anti-lift device

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.

Motor series SOLIDline

The GEIGER SOLIDline motors have been developed for the specific needs of the sun protection industry and the craft trade. The motor is characterized by:

- Low noise emissions and extremely smooth operation
- Low power consumption and reduced operating costs
- Long service life and high reliability



SOLIDline-SOC



SOLIDline-COM

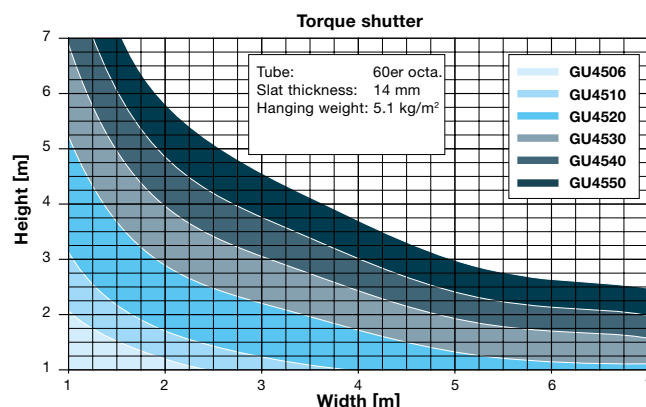
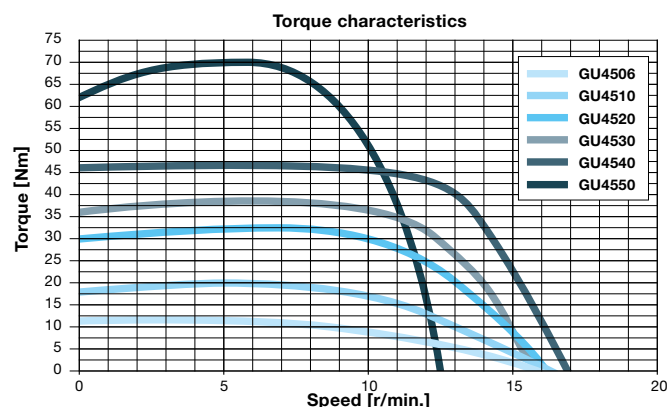


SOLIDline-KS



SOLIDline-SIL

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]¹⁾	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 level²⁾	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
Air humidity	dry and non-condensing place				
Storage temperature	T = -15°C .. +70°C				

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

²⁾ 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.



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.