



GEIGER SoftPerfection-S/-X01

Product Datasheet



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GEIGER SoftPerfection-S/-X01 - Plug & Play for rolling shutters with stoppers and anti-lift device

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 SoftPerfection-S/-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 SoftPerfection-S/-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 SoftPerfection-S/-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 SoftPerfection-S/-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 SoftPerfection-S/-X01 simplifies the installation significantly. Only one start of the setting process (Precondition: anti-lift device and stoppers) 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 SoftPerfection-S/-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 SoftPerfection-S/-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 (only SoftPerfection-X01)

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

Antifreeze protection

The GEIGER SoftPerfection-S/-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 SoftPerfection-S/-X01 has a sensitive obstacle detection in UP direction.



SOLIDline-SOC



SOLIDline-COM

Quick Guide to Commissioning

Setting of end stops:		
1. Connect the connecting cable to the motor.	2. Move the shutter to both end positions once (Any order will do). X01 version: The final positions are not learned until the 5th ride.	3. DONE!
Delete the end positions:		
1. Move the curtain to any position of your choice. (Respect a distance of approximately 50 cm from the end positions!)	2. Operate as follows: UP - DOWN - UP - UP. (A break of at least 5 seconds must be respected between the different runs!)	3. DONE!

SOLIDline motor heads

All SOLIDline motors are available with 2 different motor heads:

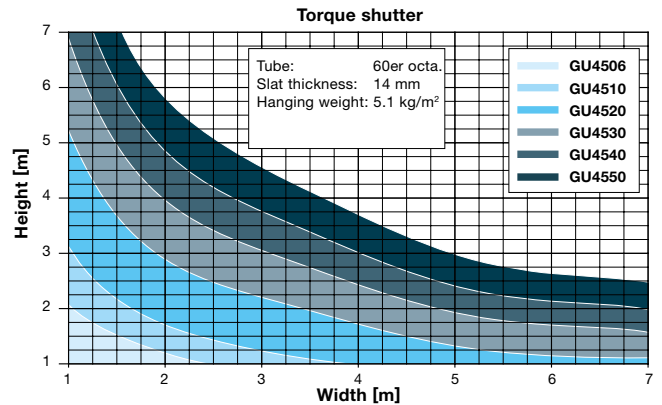
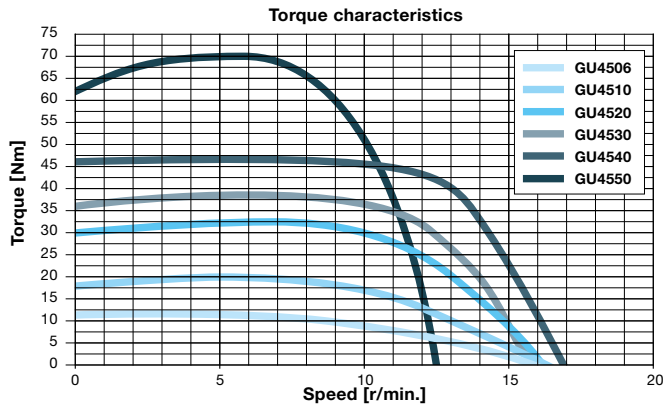
- The **SOC motor head** is optimally designed for installation with star shaped fixation systems. The motor head is universally applicable in the rolling shutter area also together with traditional fastening systems.
- The extremely thin **COM motor head** offers the possibility to optimize the fabric 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.

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] 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 level ²⁾	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 temperatur	T = -15°C .. +70°C				

¹⁾ SOLIDline-COM + 0,5 mm

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.