

GEIGER XS56 SoftPerfection-X01

Product Datasheet



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XS56 SoftPerfection-X01 - Shorter? No way!

With a total length of only 317 millimetres, the XS56 is a true master of its class.

Specially developed for narrow curtains, the new GEIGER motor opens up unimagined dimensions for architects, planners and fitters. What could previously only be operated with a belt or a crank handle is now also possible with an intelligent motor - extremely narrow rolling shutters.

Features



EXTREMELY SHORT DESIGN

For hangings from a width of 370 millimetres.



REAL PLUG & PLAY

Automatic recognition of the end positions without time-consuming adjustment work.



BURGLAR-RESISTANT

Due to constant torque deactivation, the rolling shutter is burglar-resistant (anti-lift device necessary).



FREEZE PROTECTION

Shutters which are frozen are detected and not torn off.



REFERENCING

Every 50 cycles, the upper end position is checked and, if necessary, corrected.



SOFTPOSITION

The shutter stops before reaching the upper end position to protect the materials.



OBSTACLE DETECTION IN DOWN DIRECTION

Protects the system during extension.



BLOCKAGE DETECTION IN UP DIRECTION

Protects the system when retracting.

Further information

Here you will find the most important information about the GEIGER XS56:

www.geiger.de/info/0420003



Design and features

The XS56 impresses with its short design and the intelligent motor control. The new motor has been tested a million times and has proven its reliability in real-life applications. Born out of the well-known GJ56 Venetian blind motor, all the components are optimally matched to each other.

The well-known SoftPerfection-X01 control unit has been adapted for use in rolling shutters with a 60 mm octagonal shaft. Equipped with stoppers and an anti-lift device, the motor offers burglar resistance, anti-freeze protection, shutter length compensation and other functions that protect the shutter and simplify commissioning.

The XS56 SoftPerfection-X01 meets three market requirements in a quite unusual way:

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

Simply brilliantly conceived - XS56!

Technical Data

Technical data of tubular motor XS56-SOC (GJ5606)	
	XS5606
Application	Rolling shutter with octagonal 60 mm shaft (> 370 mm). Shaft material < 0,60 mm
Voltage	230V~/50 Hz
Current	0,40 A
Cos Phi (cosφ)	>0,95
Inrush current (factor)	x 1,2
Power	93 W
Torque	6 Nm
Speed	26 rpm
Protection class	IP 54
Total length	316,7 mm
Operating mode	S2 4 min
Sound pressure level ¹⁾	34 dB(A)
Diameter	55 mm
Weight	ca. 1,5 kg
Storage temperature/Humidity	T = -15°C .. +70°C / dry and non-condensing place

¹⁾ 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.



GEIGER anti-lift device



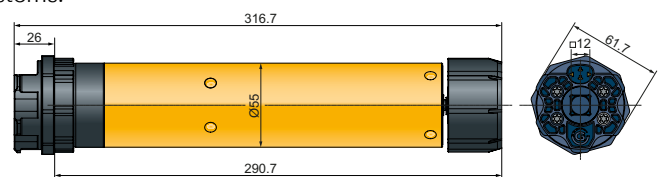
Available with 2 or 3 elements for mini and maxi profiles.

XS56 motor head

- 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.



XS56-SOC



True Plug & Play

The GEIGER SoftPerfection-X01 simplifies the installation significantly. Start the adjustment process once (Precondition: anti-lift device and stoppers) and the upper and lower end positions are automatically programmed via torque detection. Done! Plug & Play!

GEIGER Soft-System

Soft motor intelligence

The GEIGER SoftPerfection-X01 has a very sensitive intelligence which provides the typical GEIGER „soft shutdown“ in the upper position, 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-X01 uses torque cut-offs in the upper end position only when absolute necessary: the programming run during motor commissioning and after every 50 cycles.

In the lower end position, a torque shut-down only occurs when referencing. In normal operation, the curtain stops a few millimetres before reaching the end position. The anti-lift device makes it difficult, if not impossible, for intruders to lift the rolling shutter. Effective burglary protection is provided.

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. In the lower end position, the curtain also stops shortly before reaching the end position, to avoid a permanent pressure on the curtain.

Delayed teach-in

The motor does not learn its actual end positions until the fifth driving cycle after commissioning.

Antifreeze protection

The GEIGER SoftPerfection-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. This ensures that the roller shutter box does not freeze.

100% MADE BY

GEIGER

ANTRIEBSTECHNIK

GERMANY

Made by GEIGER

GEIGER relies on Germany as production location: The GEIGER XS56, 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

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

Quick Guide to Commissioning

Setting of end stops:		
1. Connect the drive's connecting cable to the control cable.	2. Move the shutter to both end positions once, any order will do. The final positions are not learned until the 5th ride.	3. DONE!
Correction of the end positions:		
1. Move the curtain to any position of your choice. (Respect a distance of approximately 25 cm from the end positions)	2. Operate as follows: UP - DOWN - UP - UP. (Between the driving movements of about 1 sec. a break of at least 5 sec. must be observed)	3. DONE!



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.