



GEIGER SOLIDline X01 Radio

Product Datasheet



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GEIGER SOLIDline X01 Radio - Plug & Play for roller shutters with stoppers and rigid shaft connectors

Problem and solution

Efficiency in Assembly

■ **Problem:** Commissioning roller shutters simply takes too long. The end positions have to be readjusted again and again until everything fits!

▶ **Solution:** The GEIGER SOLIDline X01 Radio enables extremely fast learning: Plug & Play. This saves installation time - and real money.

Lifespan of the roller shutter system

■ **Problem:** Roller shutter systems are exposed to extreme conditions from sun, wind, and weather. Many roller shutter drives place the curtain under constant high tension, which can lead to damage to the slats.

▶ **Solution:** The GEIGER SOLIDline X01 Radio features an intelligent curtain protection function. It prevents unnecessary overloads, helping the roller shutter curtain last longer and maintain its good appearance.

Everything from a Single Source

■ **Problem:** Motors and accessories from different manufacturers are used. This can lead to installation problems, unsuitable winding behavior, or even damage in individual cases.

▶ **Solution:** For the GEIGER SOLIDline X01 Radio, we can also supply the matching GEIGER anti-lift device upon request.

SOLIDline X01 Radio

Electronic tubular motor
Ø 45 mm with radio control



Application area:



Roller shutters

Special features:

Delayed learning



Only on the fifth travel cycle does the motor learn its actual end positions.

Soft position



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

Synchronous position



Even with different curtain widths or heights, a consistent shut-off behavior is ensured. No more roller shutters hanging at different heights in the upper position.

Plug & Play



Automatic detection of end positions without time-consuming adjustment during installation. Completed in just one up-and-down movement (only when using stoppers and anti-lift devices).

Operation



The motor can be operated via a hand-held transmitter or alternatively with a wired control switch.

Curtain protection

The integrated sensitive motor intelligence ensures that...

■ Freeze protection

...curtains frozen to the window sill are detected and not torn off.



■ Obstacle detection in UP direction

...the system is protected during retraction.



Referencing



Every 50 cycles a reference run is performed to verify the end positions. For this, the curtain is driven upwards until the motor switches off due to torque. The end positions are checked and corrected if necessary.

GEIGER radio



The unidirectional radio system offers a long range and enables reliable communication with remote receivers.

Product advantages:

- Electronic limit switch
- Automatic detection of left/right installation
- Can be connected in parallel
- Pluggable connection cable available in various lengths
- Delivered in learning mode by default

Notes:

- Do not use switches with simultaneous UP/DOWN commands
- Rigid shaft connectors and stoppers are mandatory
- End position adjustment possible via control switch

Options:

- Available with SOC or COM head
- High-speed version available on request

End position setting:

TOP

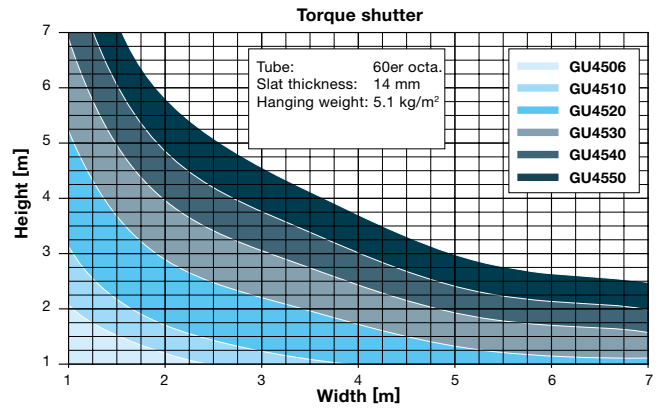
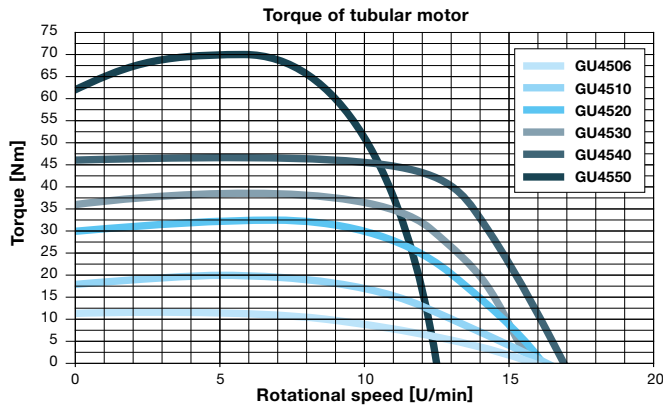
*To limit stop

BOTTOM

*To limit stop

* Stoppers and anti-lift protection / rigid shaft couplings

Technical data:



Technical Data - 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
Limit Switch Range	> 200 Revolutions				
Protection Class	IP 44				
Radio Frequency	433 MHz				
Total Length [l] ¹⁾	519,5 mm	549,5 mm	569,5 mm	589,5 mm	589,5 mm
Mode of Operation	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
Ambient Humidity	Dry, non-condensing				
Storage Temperature	T = -15°C .. +70°C				

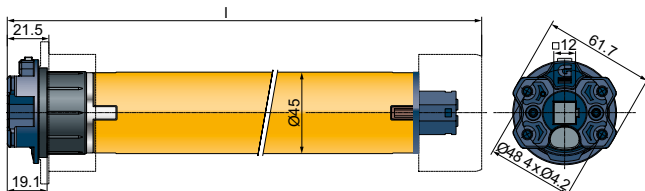
1) SOLIDline-COM + 0,5 mm

2) The information on the average sound pressure level is for guidance only. The values were recorded by GEIGER under no-load conditions with the drive freely suspended, measured at a distance of 1 m, and averaged over 10 seconds. The measurement is not based on any specific test standard.

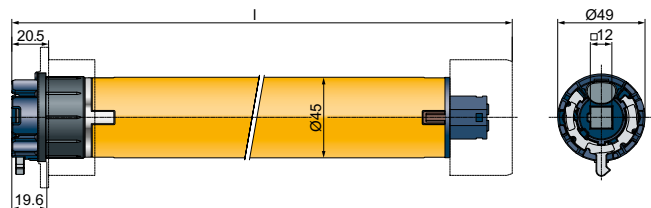
Technical modifications reserved. For information on the ambient temperature range of GEIGER motors, please refer to www.geiger.de.

Drawings:

SOC:



COM:



Radio and control accessories

Hand-held transmitter GFB00.

Elegant and compact 1-channel hand-held transmitter with a high-gloss surface for indoor use.

Features:

	GFB001	GFB002
Color	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
Channel	1	

Holder for hand-held transmitter GFB00.

	GFB003	GFB004
Color	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black

Comfortable 15-channel hand-held transmitter with timer GFB0..

Elegant 15-channel hand-held transmitter with a high-gloss surface for indoor use.

- Any number of receivers can be assigned to these 15 channels
- Large buttons for easy navigation and intuitive operation
- Multi-function buttons for executing the functions shown on the display
- Total Control: Synchronous control of channels 1 to 15

Features:

	GFB011	GFB012	GFB021	GFB022
Color	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
Total Control function	-	-	Yes	Yes
Channels	15			
Timer	6 timers per channel			

Holder for Comfort 15-channel hand-held transmitter GFB0..

	GFB013	GFB014
Color	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black

Vibration Sensor GRE40.

External vibration sensor for protecting your sun protection system.

- Discreet installation in the front profile of the awning
- Screwless installation using high-quality adhesive strip
- Sensitivity adjustable in 10 levels
- Easy commissioning via pairing

Variants GRE40.

	GRE400	GRE401
Color	<input checked="" type="checkbox"/> Black	<input type="checkbox"/> White

