



GEIGER SOLIDline ZIP Radio

Product Datasheet



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SOLIDline ZIP Radio - Motor system for ZIP screens

For textile sun protection with ZIP screens, GEIGER has developed the SOLIDline ZIP Radio motor. ZIP systems optimize textile sun protection by eliminating lateral light gaps and providing high resistance to wind. To achieve this with optimal effectiveness, GEIGER has developed a motor specifically designed for this purpose.

Features



TRUE PLUG & PLAY

Automatic detection of end positions without time-consuming adjustments.



DUALSTOP CONTROL

Reliable differentiation between an obstacle and a gust of wind.



WIND RESILIENCE

Safe retraction of the system in wind and weather.



REFERENCING

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



SLOW-MOTION DETECTION

Detection of ageing, dirt accumulation, and increased running resistance of the system.



SOFT POSITION

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



PINCH PROTECTION

Protection against injury caused by improper handling.



OBSTACLE DETECTION IN DOWN DIRECTION

Protects the system during extension.



BLOCKAGE DETECTION IN UP DIRECTION

Protects the system during retraction.



FREEZE PROTECTION

Detects frozen curtains and prevents them from being torn off.

SOLIDline ZIP Radio

Electronic tubular
motor Ø 45 mm
with radio



Features:

Plug & Play



Automatic detection of end positions without time-consuming adjustments during installation. Completed in just one up-and-down run. Fast and precise setting of end positions.

DualStop Control



If the system detects an obstacle, the motor moves the curtain a predefined distance in the opposite direction. After two further unsuccessful attempts, the system moves to its safety position (upper end position). This applies in both the UP and DOWN directions.

Wind resilience



The obstacle detection can differentiate between an obstacle and a gust of wind. In the event of a gust in the UP direction, the curtain moves safely to the upper end position, protecting the system and preventing damage to the curtain.

Slow-motion detection

The motor monitors the condition of the system and can detect changes in winding behavior. If the curtain moves too slowly in the DOWN direction and the bottom bar risks jamming, the motor automatically stops to protect the system and the curtain.

Operation



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

Product advantages:

- Electronic limit switch
- Easy commissioning: Plug & Play
- Can be connected in parallel
- Pluggable connection cable available in various lengths

Notes:

- Do not use switches with simultaneous UP/DOWN commands
- End position programming possible via any setting cable. Any setting cable with a programming button or one that allows a simultaneous UP/DOWN command can be used.

Curtain protection

The integrated, highly sensitive motor intelligence ensures that...

■ Freeze protection

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



■ Soft position

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



■ Obstacle detection in UP direction

...protects the system during retraction.



Referencing



Every 50 cycles, a reference run is carried out to check whether the end positions are correct. For this, the curtain is moved up until the motor switches off due to torque. The end positions are then verified and, if necessary, corrected.

Pinch protection



This function prevents fingers or other objects from being pinched or damaged.

GEIGER Radio



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

Options:

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

End position setting:

UP	*At the end	DOWN	*At the end
	To position		To position

* Stoppers and anti-lift device / rigid shaft connectors

Technical data:

Technical Data - Tubular Motor SOLIDline-SOC (GU45..)					
	GU4503	GU4506	GU4510	GU4520	GU4530
Voltage	230V~/50Hz				
Current	0,35 A	0,36 A	0,47 A	0,63 A	0,80 A
Cos Phi (cosφ)	>0,95				
Inrush Current (factor)	x 1,2				
Power	80 W	83 W	105 W	140 W	180 W
Torque	3 Nm	6 Nm	10 Nm	20 Nm	30 Nm
Speed	26 rpm	16 rpm	16 rpm	16 rpm	16 rpm
Limit Switch Range	> 200 rotations				
Protection Class	IP 44				
Radio Frequency	433 MHz				
Total Length [l] ¹⁾	467,5 mm	509,5 mm	519,5 mm	549,5 mm	569,5 mm
Mode of Operation	S2 4 min	S2 4 min	S2 4 min	S2 5 min	S2 4 min
Sound Pressure Level ²⁾	39 dB(A)	39 dB(A)	39 dB(A)	41 dB(A)	41 dB(A)
Diameter	45 mm				
Weight	ca. 1,70 kg	ca. 1,85 kg	ca. 1,90 kg	ca. 2,20 kg	ca. 2,40 kg
Ambient Humidity	Dry, non-condensing				
Storage Temperature	T = -15°C .. +70°C				

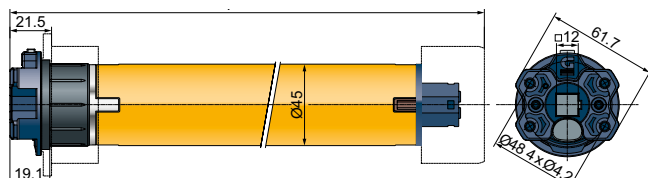
1) SOLIDline-ROC: + 5,9 mm / SOLIDline-COM: + 4,2 mm

2) The specifications for the average sound pressure level are for guidance only. The values were recorded by GEIGER in idle mode with the drive hanging freely, at a distance of 1 m, and averaged over 10 seconds. The measurement is not based on any specific test standard.

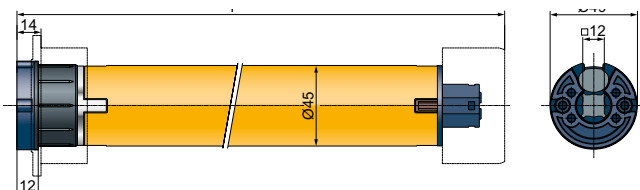
Technical specifications subject to change. Information on the ambient temperature range of GEIGER motors can be found at

Drawings:

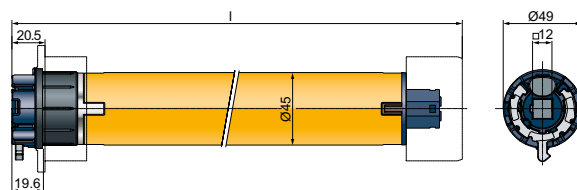
SOC:



ROC:



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

