



GEIGER RESCUE-R

Product Datasheet



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RESCUE-R - GEIGER HELPS YOU IMPLEMENT FIRE SAFETY

Sun protection and emergency exit

The § 33 Musterbauverordnung (MBO) - German standard building regulations - requires the existence, for each floor, of at least two independent emergency exits.

One of them must comply with the regulations defining the first emergency exit.



The first emergency exit enables people to quickly leave a danger zone. It leads either directly into the open air or into a secured area, such as corridors, stairs and exits.



Unlike the first emergency exit that is strictly regulated and clearly defined, the second emergency exit can be interpreted

in different ways and faces countless solutions. Until now, uniform regulations have not been applied throughout the country.

For sun protection manufacturers, architects and planners, this represents a huge challenge in terms of design and implementation and might lead to conflicts, especially if the fire safety requirements for the second emergency exit are not respected. Furthermore, aesthetic aspects, historic preservation regulations, constructive environment and, last but not least, costs have to be reconciled in a constructive dialogue.

Modular design - Drive and gear with system!

The sophisticated design of the RESCUE-R can be easily integrated into all standard roller shutters head rails.

All components are dimensionally designed in such a way that only the crank handle has to be installed inside the building.

- ▶ **Space-saving:** Thanks to its modular design, the system can be integrated into all front and top boxes.
- ▶ **Flexible:** RESCUE-R is available for roller shutters with 60mm octagonal shaft and 50mm octagonal shaft.
- ▶ **Maintenance-free:** Motor, freewheel and gearbox require no maintenance.
- ▶ **Customer-oriented:** In an emergency, the roller shutter can be opened both easily and quickly. The gear reduction of 4:1 ensures easy operation.

MADE BY GEIGER

GEIGER relies on Germany as production location: the RESCUE-R components are 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

GEIGER RESCUE-R - The reliable solution for the second emergency exit



RESCUE-R Kits components

- ▶ **SOLIDline Touch 10 Nm:** Optimal and fast adjustment of the end positions with only one key. No time-consuming turning of different adjustment screws.
- ▶ **SOLIDline X01 RESCUE (10 Nm):** Plug & Play motor with electronic limit switching and self-learning end positions (can be switched in parallel).
- ▶ **Freewheel:** Solid freewheel made of extremely stable and durable plastic.
- ▶ **Bevel gear:** Proven components and modules ensure smooth operation. A patent application has been filed for the gear.
- ▶ **Airtight spherical bearing:** Prevents cold bridges and protects against draughts and condensation.
- ▶ **AvantGarde crank:** The elegant crank with concealed mechanism can be discreetly integrated into the room.

Operation in case of fire

If the roller shutter cannot be raised electrically in the event of a fire, RESCUE-R comes into operation. Simply pull the crank out of the holder, push the sleeve of the AvantGarde crank upwards and bend and turn the crank. The safety seal serves as a visual indication that the crank should only be operated in an emergency.

By operating the emergency hand crank, the freewheel is triggered and a regular clacking sound may be heard.

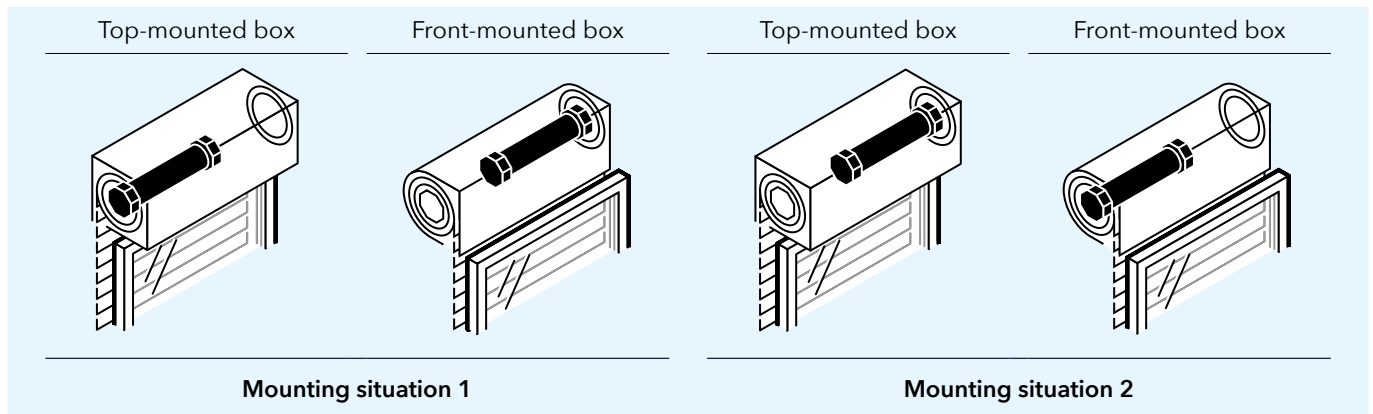
Recommissioning

No measures are necessary when restarting both SOLIDline motors. If the shutter has been opened with the crank, the crank should be turned a quarter of a turn in the opposite direction before being put back into operation in order to relieve the gear and prevent the crank from turning during motor operation.

Installation

The freewheel with shaft driver is fitted to the motor. The system is installed as usual, except that the gearbox is fitted instead of the counter bearing and the roller capsule. If a certain direction of crank rotation is desired, the gearbox can be rotated axially by 180°. The shaft length/curtain width must not be less than 750mm.

RESCUE-R - Selecting the right kit or modules solution



RESCUE-R Kit or modules - Set contents

Components	Kit	Module 1.x	Module 2.x	Module 3.x
SOLIDline SOC 10 Nm	•	•	-	-
Connection cable, length = 3 m, with open cable ends	•	•	-	-
Tube adapter	•	•	-	•
Freewheel with tube driver	•	•	-	•
Bevel gear 4:1, drive 6mm square	•	-	•	•
Airtight spherical plain bearing, 90°, plate 22x85 mm	•	-	•	-
Aluminium crank AvantGarde, length = 1.200 mm	•	-	•	-
Plastic crank holder, RAL 9016	•	-	•	-
Safety seal	•	-	•	-

NOTE: The use of the RESCUE-R modules is only allowed in combination with a motor delivering a maximum torque of 10 Nm.

Ordering chart

		Mounting situation 1		Mounting situation 2	
		60mm octagonal shaft	50mm octagonal shaft	60mm octagonal shaft	50mm octagonal shaft
Kits	SOLIDline Touch	Kit 1 M45F9000	Kit 3 M45F9002	Kit 2 M45F9001	Kit 4 M45F9003
	SOLIDline X01 RESCUE	Kit 5 M45F9010	Kit 7 M45F9012	Kit 6 M45F9011	Kit 8 M45F9013
Module 1.x	SOLIDline Touch	Module 1.1 M45F9050	Module 1.3 M45F9052	Module 1.2 M45F9051	Module 1.4 M45F9053
	SOLIDline X01 RESCUE	Modul 1.5 M45F9150	Modul 1.7 M45F9152	Modul 1.6 M45F9151	Modul 1.8 M45F9153
Module 2.x		Module 2.1 456F200	Module 2.2 456F201	Module 2.1 456F200	Module 2.2 456F201
Module 3.x		Module 3.1 456F300	Module 3.3 456F302	Module 3.2 456F301	Module 3.4 456F303

Maintenance and instructions

The system is maintenance-free. However, an annual test run is recommended to check the system. People living / working in the premises secured by RESCUE-R should be instructed in its operation.

Technical data

Technical data of tubular motor SOLIDline-SOC (GU45..)	
	SOLIDline Touch/X01 RESCUE
Voltage	230V~/50 Hz
Current	0,47 A
Cos Phi (cosφ)	>0,95
Inrush current (factor)	x 1,2
Power	105 W
Torque	10 Nm
Speed	16 rpm
Protection class	IP 44
Total length [l]	519,5 mm
Operating mode	S2 4 min
Sound pressure level¹⁾	39 dB(A)
Diameter	45 mm
Weight	ca. 1,90 kg
Air humidity	dry and non-condensing place
Storage temperature	T = -15°C .. +70°C

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.

Technical data of Bevel gear 456F150/ 456F151	
Max. output torque	12 Nm
Reduction ratio	4:1
Efficiency	0,85

Subject to technical modifications.



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.