

## greenteQ Roller shutter motors P07

Edition 2016



# greenteQ – VBH's Powerful Own Brand.

High quality. Excellent price-performance ratio.

greenteQ allows us to offer a wide product range characterised by high quality, an excellent priceperformance ratio and an independent brand presence.

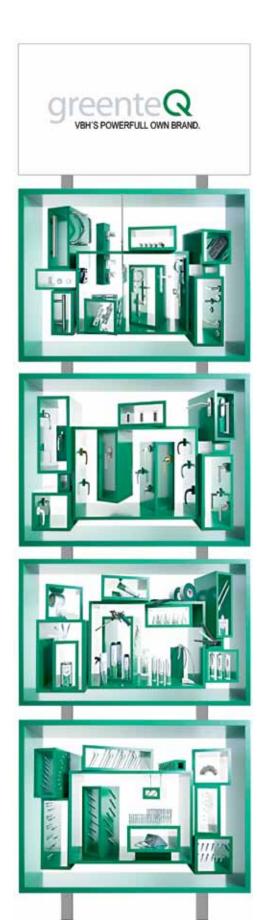
The brand name consists of our company colour "green", the word "technology" and "Q", which stands for our quality standards.

The greenteQ product range is a logical extension of our current programme of strong brand products, which continue to form the basis of our portfolio. greenteQ gives us the necessary independence in the market.

In this brochure, you will learn about greenteQ Roller shutter motors and the advantages they hold for you. You will soon discover that the process to retrofit these roller shutter motors can be realised in a quick and simple manner, i.e. without any really major effort. It is well worth your while, particularly when you take into account the additional benefits and associated greater convenience.

Allow yourself to be won over by our roller shutter motors!

www.greenteQ.info



# Roller shutter motors for greater comfort and security.

Greater comfort and security, more efficient energy utilisation and the associated saving of resources are the key elements of the constantly expanding roller shutter motor market. Would you like to retrofit your roller shutters with roller shutter motors? Then your search is over, as you will find everything you are looking for in our greenteQ Roller shutter motor product range! The product range is available in various installation sizes, both with and without radio control. The motors are robust, reliable, durable and fully maintenance-free. They function in a precise and quiet manner. Damage due to overloading is also prevented thanks to the integrated thermostat. Our high quality standard can be seen in the 5-year functional warranty that we offer. The product range is rounded off by our extensive accessories.

- ✓ Greater security.
- ✓ Greater comfort.
- ✓ Energy saving due to better insulation.
- ✓ Appealing design in living areas.
- ✓ Simple installation.

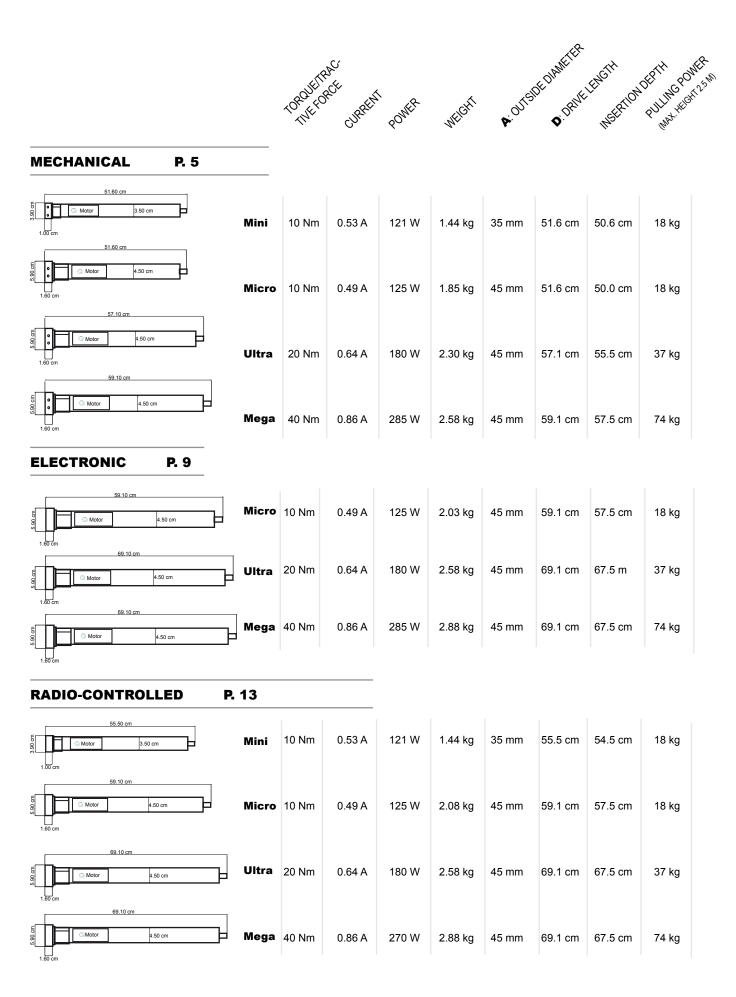




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## greenteQ ROLLER SHUTTER MOTORS OVERVIEW



## greenteQ ROLLER SHUTTER MOTORS OVERVIEW

mat the little on and the little town mit **MECHANICAL** P. 5 51.60 cm □ Motor 3.50 cm IP44 5.5 m<sup>2</sup> 230 V 38 3.9 m<sup>2</sup> 4 min 40 mm Yes Mini 4.50 cm IP44 28 5.0 m<sup>2</sup> 3.5 m<sup>2</sup> 60 mm 230 V 4 min Yes Micro □ Motor 4.50 cm 6.9 m<sup>2</sup> 230 V 28 IP44 Yes Ultra 10.5 m<sup>2</sup> 4 min 60 mm 4.50 cm Mega IP44 28 16.8 m<sup>2</sup> 12.1 m<sup>2</sup> 4 min 60 mm 230 V Yes **ELECTRONIC** P. 9 59.10 cm Micro 5.0 m<sup>2</sup> 3.5 m<sup>2</sup> 60 mm 230 V IP44 4 min Yes 4.50 cm 10.5 m<sup>2</sup> 6.9 m<sup>2</sup> 4 min 60 mm 230 V IP44 Yes Ultra ☐ Moto 4.50 cm 69.10 cm 16.8 m<sup>2</sup> 60 mm 230 V IP44 Yes Mega 12.1 m<sup>2</sup> 4 min 4.50 cm **RADIO-CONTROLLED** P. 13 55.50 cm 230 V IP44 Mini 5.5 m<sup>2</sup> 3.9 m<sup>2</sup> 4 min 40 mm Yes 3.50 cm Micro 5.0 m<sup>2</sup> 3.5 m<sup>2</sup> 4 min 60 mm 230 V IP44 Yes 4.50 cm Ultra IP44 10.5 m<sup>2</sup> 6.9 m<sup>2</sup> 4 min 60 mm 230 V Yes Mega 4.50 cm 16.8 m<sup>2</sup> 12.1 m<sup>2</sup> 4 min 60 mm 230 V IP44 Yes

### Mechanical Roller Shutter Motors

#### **Our Quality Standard for You**



You will receive a 5-year warranty\* for the function with each purchase of a greenteQ Roller shutter motor. We check every motor before delivery; we also carry out long-term tests in our test laboratories in order to ensure that your greenteQ Roller shutter motor is in perfect working order and that you are satisfied.

\* A claim shall be considered only in the case of professional installation and proper use. Any consequential damages and additional costs and all damages caused by incorrect installation or connection, incorrect operation or improper transport are excluded from the warranty.

#### **Technical hotline**



We have set up a technical hotline that you can call if you have problems during installation or notice a malfunction.

Within Germany: 0800 212 29 99 (free of charge)

Outside Germany: +49 3221 212 29 99 (subject to a charge)

**Business hours:** 

Mon. - Thurs. from 8:00 a.m. to 5:00 p.m. Friday from 8:00 a.m. to 2:00 p.m.

Languages:

German and English

#### **Our Tip for You**



If you already have a mechanical or electronic roller shutter motor, this can be quickly and simply converted to a radio-controlled roller shutter motor by means of the greenteQ External radio receiver.



The dimensions of the receiver are so compact that it can be effortlessly accommodated in the roller shutter box.

## Mechanical Roller Shutter Motors



#### greenteQ Mechanical roller shutter motor

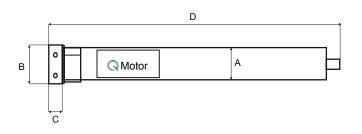
The greenteQ Mechanical tubular motor for roller shutter elements from tube size 40 mm. A reliable and robust drive for roller shutters, sun protection, screens and movie screens. Thanks to the high pulling power of up to 40 Nm, you will have the optimal motor for heavy roller shutters and hangings. The limit stop can be set in a simple and finely graduated manner. Tested and certified by the VDE Institute.

#### Scope of delivery:

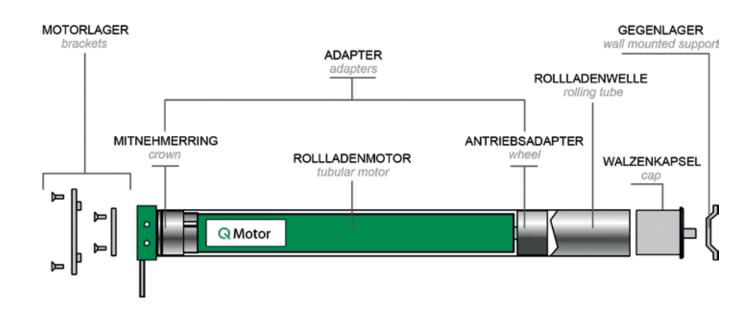
Roller shutter motor, instructions, preassembled adapter set 40 mm (for 40 mm rolling tube) or 60 mm (for 60 mm rolling tube), including adapter coupling, adjusting tool and connection cable 2.5 m.

Di- men- sions	Mini	Micro	Ultra	Mega
Α	35 mm	45 mm	45 mm	45 mm
В	39 mm	59 mm	59 mm	59 mm
С	10 mm	16 mm	16 mm	16 mm
D	51.6 cm	51.6 cm	57.1 cm	59.1 cm





Туре	Rolling tube	Pulling power	Power	Drive length	Insertion depth	VBH Item No.	
Mini	40 mm	10 Nm/18 kg	121 W	51.6 cm	50.6 cm	217.271/6635	
Micro	60 mm	10 Nm/18 kg	125 W	51.6 cm	50.0 cm	217.271/6647	
Ultra	60 mm	20 Nm/37 kg	180W	57.1 cm	55.6 cm	217.271/6648	
Mega	60 mm	40 Nm/74 kg	285 W	59.1 cm	57.6 cm	217.271/6649	



## Accessories for mechanical roller shutter motors

#### Metal universal bracket

Metal universal bracket for Mini motors with 40 mm tube.

Can be used in mechanical and radiocontrolled motors.

Can be used up to 50 Nm.



Colour	VBH Item No.	
Grey	217.271/9972	

#### PVC end box bracket

PVC end box bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors in the front-mounted element without screws. Can be used up to 20 Nm



Colour	VBH Item No.	
Black	217.271/9973	

#### Metal/PVC universal motor bracket

Metal/PVC universal motor bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors in the prefabricated box with roller shutter function. Can be used up to 40 Nm.



Colour	VBH Item No.	
Grey/black	217.271/9974	

#### **PVC** rapid installation bracket

Metal/PVC universal bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors for simple installation in the attachment box/end box, also suitable for VEKA. Can be used up to 30 Nm.



Colour	VBH Item No.	
Black/grey	217.271/9975	

#### greenteQ Universal adjustment cable

greenteQ Adjustment cable with membrane keyboard for mechanical, electronic and radio-controlled roller shutter motors. Power cable 3 m with Schuko angle plug.

Connecting cable 0.75 m with Wago terminal blocks.

Delivery incl. operating instructions.



Protection class	VBH Item No.	
IP 20	217.271/8804	

#### greenteQ External radio receiver

External receiver, simple wireless solution for existing standard drives, popular retrofitting option.
Delivery incl. operating instructions



Protection class	VBH Item No.	
IP 44	217.271/6663	

#### Motor bracket 10x10 for 40 mm tube

Square motor bracket 10x10 mm for Mini motors with 40 mm tube. Can be used in mechanical and radio-controlled motors. Can be used up to 10 Nm.



Colour	VBH Item No.	
Grey	217.271/9988	

#### Motor bracket 10x10 for 60 mm tube

Square motor bracket 10x10 mm for Mini, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radiocontrolled motors up to 20 Nm.



Colour	VBH Item No.	
Grey	217.271/9986	

## Accessories for mechanical roller shutter motors

#### Octagonal shaft 50 mm adapter set

Octagonal 50 mm adapter set for Micro, Ultra and Mega motors. Can be used in mechanical, electronic and radio-controlled motors, suitable for a 50 mm octagonal shaft.



Colour	VBH Item No.	
Black	217.271/9989	

## Isolating relay R1-UNI-230

Roller shutter isolating relay for linking cable-connected motors with each other. Required for mechanical motors from the 1st drive and initially from the 3rd drive in the case of electronic drives.



Protection class	VBH Item No.	
IP 20	217.271/9991	

#### Octagonal shaft 70 mm adapter set

Octagonal 70 mm adapter set for mechanical, electronic and radio-controlled Micro, Ultra and Mega motors, suitable for a 70 mm octagonal shaft.



Colour	VBH Item No.	
Black	217.271/9990	

#### **Toggle switch AP**

Toggle switch for on-wall mounting, momentary/maintained contact, single pole, 10 A



Туре	VBH Item No.	
Single pole	389.953/0000	

### Electronic roller shutter motors

#### **Our Quality Standard for You**



You will receive a 5-year warranty\* for the function with each purchase of a greenteQ Roller shutter motor. We check every motor before delivery; we also carry out long-term tests in our test laboratories in order to ensure that your greenteQ Roller shutter motor is in perfect working order and that you are satisfied.

\* A claim shall be considered only in the case of professional installation and proper use. Any consequential damages and additional costs and all damages caused by incorrect installation or connection, incorrect operation or improper transport are excluded from the warranty.

#### **Technical hotline**



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Languages:

German and English

#### **Our Tip for You**



If you already have a mechanical or electronic roller shutter motor, this can be quickly and simply converted to a radio-controlled roller shutter motor by means of the greenteQ External radio receiver.



The dimensions of the receiver are so compact that it can be effortlessly accommodated in the roller shutter box.

## Electronic roller shutter motors



#### greenteQ Electronic roller shutter motor

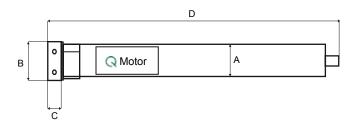
The greenteQ Electronic tubular motor for roller shutter elements with 60 mm tube. The clever drive with a fully automatic Plug&Play mode. If the roller shutter encounters an obstacle when closing, this is registered by the motor, which then responds with a STOP. The obstacle is cleared, and the roller shutter, property and personal protection are thereby ensured. The motor also independently deactivates itself if the roller shutter gets stuck in the guide rails due to frost during an open/close command. Roller shutter damage is thus prevented. Shaft clip connectors are mandatory for the installation of this Plug&Play motor in order to ensure the full functional scope – see page 13. Tested and certified by the VDE Institute.

#### Scope of delivery:

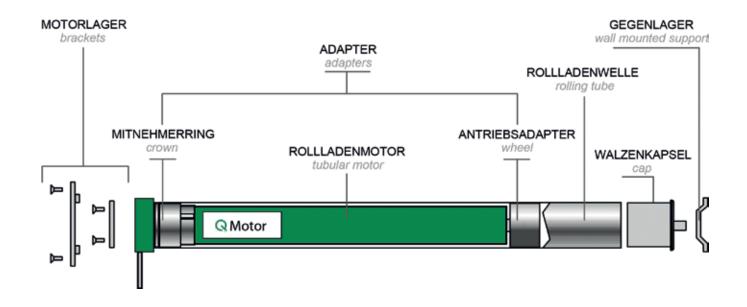
Roller shutter motor, instructions, preassembled adapter set 60 mm, including adapter coupling and connection cable 2.5 m.

MADE IN EUROPE	

Dimen- sions	Micro	Ultra	Mega
Α	45 mm	45 mm	45 mm
В	59 mm	59 mm	59 mm
С	16 mm	16 mm	16 mm
D	59.1 cm	69.1 cm	69.1 cm



Туре	Rolling tube	Pulling power	Power	Drive length	Insertion depth	VBH Item No.	
Micro	60 mm	10 Nm/18 kg	125 W	59.1 cm	57.5 cm	217.271/6650	
Ultra	60 mm	20 Nm/37 kg	180W	69.1 cm	67.5 cm	217.271/6651	
Mega	60 mm	40 Nm/74 kg	285 W	69.1 cm	67.5 cm	217.271/6652	



## Accessories for electronic roller shutter motors

#### **PVC** end box bracket

PVC end box bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors in the front-mounted element without screws. Can be used up to 20 Nm.



Colour	VBH Item No.	
Black	217.271/9973	

#### **PVC** rapid installation bracket

Metal/PVC universal bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors for simple installation in the attachment box/end box, also suitable for VEKA.

Can be used up to 30 Nm.



Colour	VBH Item No.	
Black/grey	217.271/9975	

#### greenteQ Universal adjustment cable

greenteQ Adjustment cable with membrane keyboard for mechanical, electronic and radio-controlled roller shutter motors. Power cable 3 m with Schuko angle plug.

Connecting cable 0.75 m with Wago terminal blocks.

Delivery incl. operating instructions.



Protection class	VBH Item No.	
IP 20	217.271/8804	

#### Octagonal shaft 50 mm adapter set

Octagonal 50 mm adapter set for Micro, Ultra and Mega motors. Can be used in mechanical, electronic and radio-controlled motors, suitable for a 50 mm octagonal shaft.



#### Metal/PVC universal motor bracket

Metal/PVC universal motor bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors in the prefabricated box with roller shutter function. Can be used up to 40 Nm.

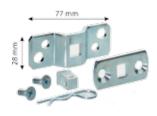


Colour	VBH Item No.	
Grey/black	217.271/9974	

#### Motor bracket 10x10 for 60 mm tube

Square motor bracket 10x10 mm for Mini, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radiocontrolled motors.

Can be used up to 20 Nm.



Colour	VBH Item No.	
Grey	217.271/9986	

#### greenteQ External radio receiver

External receiver, simple wireless solution for existing standard drives, popular retrofitting option.
Delivery incl. operating instructions



Protection class	VBH Item No.	
IP 44	217.271/6663	

#### Octagonal shaft 70 mm adapter set

Octagonal 70 mm adapter set for mechanical, electronic and radio-controlled Micro, Ultra and Mega motors, suitable for a 70 mm octagonal shaft.



Item No.	Colour	VBH Item No.	
271/9989	Black	217.271/9990	

Colour Black

## Accessories for electronic roller shutter motors

#### **Isolating relay R1-UNI-230**

Roller shutter isolating relay for linking cable-connected motors with each other. Required for mechanical motors from the 1st drive and initially from the 3rd drive in the case of electronic drives.



#### Toggle switch AP

Toggle switch for on-wall mounting, momentary/maintained contact, single pole, 10 A.



Protection class	VBH Item No.	
IP 20	217.271/9991	

Туре	VBH Item No.	
Single pole	389.953/0000	

#### Shaft clip connector, 1-element

Rolling tube shaft clip connector, 1-element. Required for the installation of electronic roller shutter motors. Ensures automatic end-position detection, obstacle detection, freezing detection and is also burglar resistant. Can be used up to 40 Nm.

Colour	VBH Item No.	
Black/grey	217.271/9993	

#### Shaft clip connector, 2-element

Roller shutter shaft clip connector, 2-element. Required for the installation of electronic roller shutter motors. Ensures automatic end-position detection, obstacle detection, freezing detection and is also burglar resistant. Can be used up to 40 Nm.

Colour	VBH Item No.	
Black/grey	217.271/9994	

#### Shaft clip connector, 3-element

Rolling tube shaft clip connector, 3-element. Required for the installation of electronic roller shutter motors. Ensures automatic end-position detection, obstacle detection, freezing detection and is also burglar resistant. Can be used up to 40 Nm.

Colour	VBH Item No.	
Black/grey	217.271/9995	

### Radio-controlled roller shutter motors

#### **Our Quality Standard for You**



You will receive a 5-year warranty\* for the function with each purchase of a greenteQ Roller shutter motor. We check every motor before delivery; we also carry out long-term tests in our test laboratories in order to ensure that your greenteQ Roller shutter motor is in perfect working order and that you are satisfied.

\* A claim shall be considered only in the case of professional installation and proper usage. Any consequential damages and additional costs and all damages caused by incorrect installation or connection, incorrect operation or improper transport are excluded from the warranty.

#### **Technical hotline**



We have set up a technical hotline that you can call if you have problems during installation or notice a malfunction.

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Languages:

German and English

#### **Our Tip for You**



everHome is a smart-home solution that offers all your services in the cloud platform. The user can directly control their devices via a smartphone or a tablet as well as switch on the lighting at a specific time and automatically raise/lower the shutters. These automated process can be conveniently saved in the browser in the everHome Portal.

In the everHome Portal at https://everhome.de, you can add your greenteQ radio-controlled roller shutter motors as devices in a few simple steps. Simply enter the manufacturer greenteQ and the radio-controlled roller shutter model and your greenteQ Roller shutter motor will be available for operation.

Via the everHome CloudBox, you can connect the greenteQ Radiocontrolled roller shutter motors with the Internet and operate and automate your shutters via the everHome app for Android or iOS.

## Radio-controlled roller shutter motors



App Store

#### greenteQ Radio-controlled roller shutter motor

The greenteQ Radio-controlled tubular motor for roller shutter elements from shaft size 40 mm. Tried and tested wireless technology for roller shutters, sun blinds and screens, can be optimally used for renovations and new installations. Thanks to the wireless technology, the visible and time-consuming wiring to the switch and central control unit can be omitted. You can program the end position setting via the radio transmitter without the need for tools or a special cable. You can use additional transmitters at any time – with individual or group operation. Can be simply expanded to meet your requirements. Tested and certified by the VDE Institute.

#### Scope of delivery:

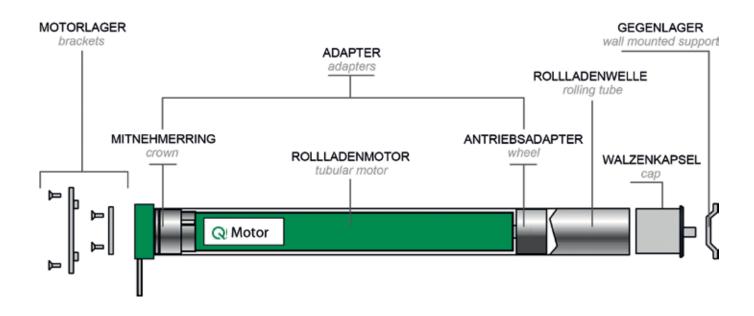
Roller shutter motor, instructions, preassembled adapter set 40 mm (for 40 mm rolling tube) or 60 mm (for 60 mm rolling tube) including adapter coupling and connection cable  $2.5\ m$ .

Di- men- sions	Mini	Micro	Ultra	Mega
Α	35 mm	45 mm	45 mm	45 mm
В	39 mm	59 mm	59 mm	59 mm
С	10 mm	16 mm	16 mm	16 mm
D	55.5 cm	59.1 cm	69.1 cm	69.1 cm





Туре	Rolling tube	Pulling power	Power	Drive length	Insertion depth	VBH Item No.	
Mini	40 mm	10 Nm/18 kg	121 W	55.5 cm	54.5 cm	217.271/6646	
Micro	60 mm	10 Nm/18 kg	125 W	59.1 cm	57.5 cm	217.271/6653	
Ultra	60 mm	20 Nm/37 kg	180 W	69.1 cm	67.5 cm	217.271/6654	
Mega	60 mm	40 Nm/74 kg	270 W	69.1 cm	67.5 cm	217.271/6655	



## Accessories for radio-controlled roller shutter motors

#### greenteQ 1-channel wall switch transmitter

1-channel wall switch transmitter, individual, group or central operation possible, battery operation with 1 x CR 2430/3.0 V.

Delivery incl. battery and operating instructions.



Protection class	VBH Item No.	
IP 30	217.271/6660	

#### greenteQ 5-channel transmitter

5-channel hand-held transmitter, individual, group or central operation possible, battery operation with 1 x CR 2430/3.0 V.

Delivery incl. battery, wall bracket, mounting and operating instructions.



Protection class	VBH Item No.	
IP 30	217.271/6659	

#### greenteQ 6-channel timer / transmitter

6-channel hand-held transmitter with timer, individual, group or central operation possible, daily/weekly program/twilight mode, vacation mode/random generator, 6 activation commands possible per day, battery operation with 2 x AAA 1.5 V Micro. Delivery incl. batteries, wall bracket, mounting and operating instructions.



Protection class	VBH Item No.	
IP 30	217.271/6661	

#### **Metal universal bracket**

Metal universal bracket for Mini motors with 40 mm tube.

Can be used in mechanical and radiocontrolled motors up to 50 Nm.



Colour	VBH Item No.	
Grey	217.271/9972	

#### greenteQ 1-channel transmitter

1-channel hand-held transmitter, individual, group or central operation possible, battery operation with 1 x CR 2430/3.0 V. Delivery incl. battery, wall bracket, mounting and operating instructions.



Protection class	VBH Item No.	
IP 30	217.271/6658	

#### greenteQ 16-Channel transmitter

16-channel hand-held transmitter, individual, group or central operation possible, battery operation with 2 x AAA 1.5 V Micro.

Delivery incl. batteries, wall bracket, mounting



Protection class	VBH Item No.	
IP 30	217.271/6662	

#### greenteQ External receiver

External receiver, simple wireless solution for existing standard drives, popular retrofitting option.
Delivery incl. operating instructions

and operating instructions.



Protection class	VBH Item No.	
IP 44	217.271/6663	

#### **PVC** end box bracket

PVC end box bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors in the front-mounted element without screws. Can be used up to 20 Nm.



Colour	VBH Item No.	
Black	217.271/9973	

## Accessories for radio-controlled roller shutter motors

#### Metal/PVC universal motor bracket

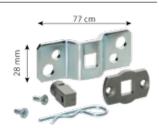
Metal/PVC universal motor bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors in the prefabricated box with roller shutter function. Can be used up to 40 Nm.



Colour	VBH Item No.	
Grey/black	217.271/9974	

#### Motor bracket 10x10 for 40 mm tube

Square motor bracket 10x10 mm for Mini motors with 40 mm tube. Can be used in mechanical and radio-controlled motors. Can be used up to 10 Nm.



Colour	VBH Item No.	
Grey	217.271/9988	

#### Octagonal shaft 70 mm adapter set

Octagonal 70 mm adapter set for mechanical, electronic and radio-controlled Micro, Ultra and Mega motors, suitable for a 70 mm octagonal shaft.



Colour	VBH Item No.	
Black	217.271/9990	

#### **PVC** rapid installation bracket

Metal/PVC universal bracket for Mini motors with 40 mm tube and Micro, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radio-controlled motors for simple installation in the attachment box/end box, also suitable for VEKA.



Can be used up to 30 Nm.

Colour	VBH Item No.	
Black/grey	217.271/9975	

#### Motor bracket 10x10 for 60 mm tube

Square motor bracket 10x10 mm for Mini, Ultra and Mega motors with 60 mm tube. Can be used in mechanical, electronic and radiocontrolled motors.

Can be used up to 20 Nm.



Colour	VBH Item No.	
Grey	217.271/9986	

#### Octagonal shaft 50 mm adapter set

Octagonal 50 mm adapter set for Micro, Ultra and Mega motors. Can be used in mechanical, electronic and radio-controlled motors, suitable for a 50 mm octagonal shaft.



Colour	VBH Item No.	
Black	217.271/9989	

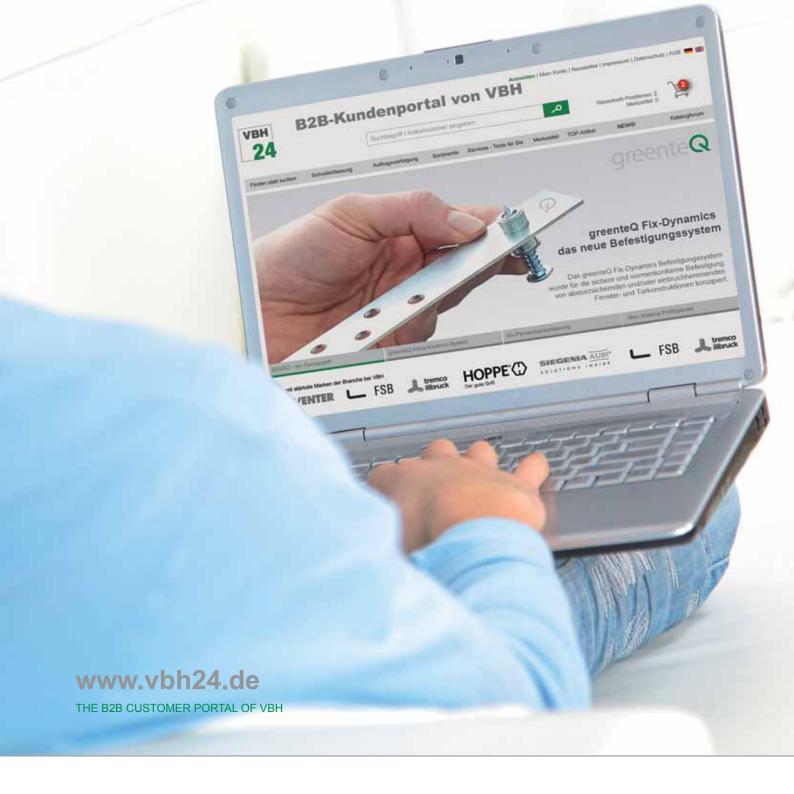
#### greenteQ Universal adjustment cable

greenteQ Adjustment cable with membrane keyboard for mechanical, electronic and radio-controlled roller shutter motors. Power cable 3 m with Schuko angle plug.

Connecting cable 0.75 m with Wago terminal blocks.

Delivery incl. operating instructions.

Protection class	VBH Item No.	
IP 20	217.271/8804	



#### Windows - Doors - Installation

vbh24 offers a product range in line with market requirements from the product areas window and door technology, installation and production, tools, machines, electrical engineering as well as factory and warehouse facilities for the production and installation of doors and windows: You can select from over 150,000 items! It is, however, not just the large number of items that is striking. The user-friendliness and functionality as well as additional menu items such as order tracking, catalogue forum and rapid entry make vbh24 one of the most modern B2B customer portals for windows and doors and sets new standards in professional online trading.

Why not take a look and decide for yourself!

#### **VBH – The Expert Brand for Window and Door Hardware**



## **VBH DEUTSCHLAND**

#### 10247 Berlin

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E-Mail paderborn@vbh.de

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#### 50996 Köln-Rodenkirchen

Wankelstr. 20 Telefon (0 22 36) 6 05-0 Telefax (0 22 36) 6 05-200 E-Mail koeln@vbh.de

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#### 87437 Kempten

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