



BREL HOME



CATALOG 2024

BREL HOME

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BREL HOME FOR PROFESSIONALS

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EXPERIENCE IT WITH BREL

12.5 years of experience in motorization of blinds



Since 2004, BREL has been marketing motors for controlling sun blinds. From 2013, this will be done from Brel Nederland BV under the brand name BREL HOME. We supply motors to all major manufacturers in Europe.

Pioneers

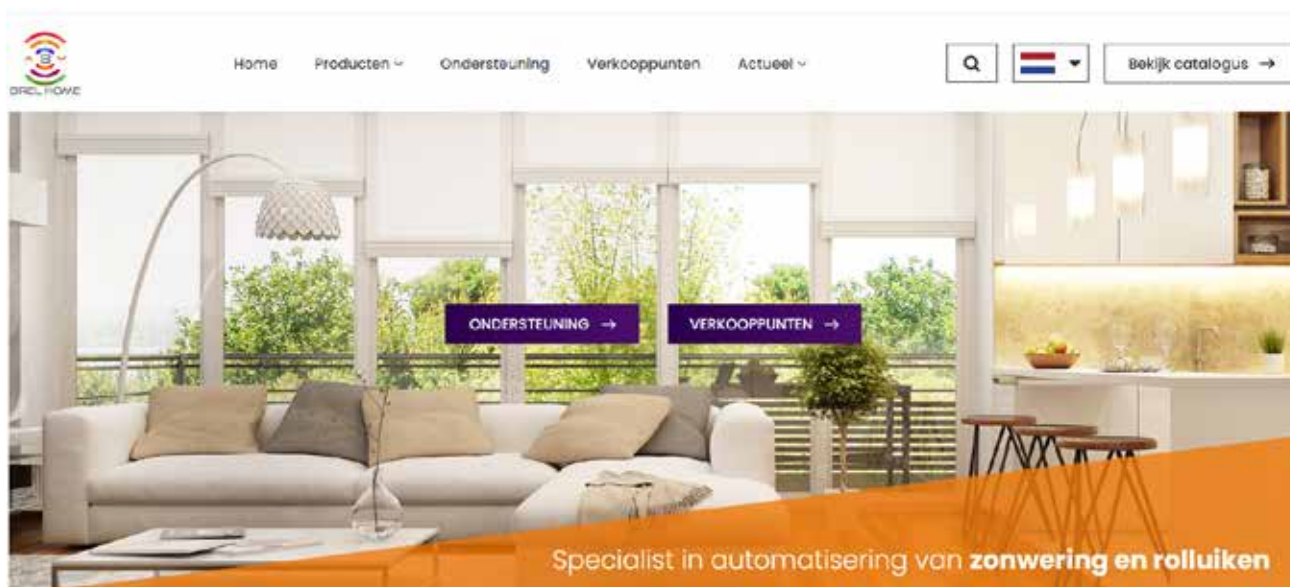
Our company is characterized by reliability and innovation. We were the first with battery motors in the Netherlands and the first with a Solar solution for outdoor sun blinds. We offer different types of solar panels. We pioneer to increase living comfort in a sustainable and affordable way.

Smart benefits

With our years of experience, we develop the best solutions for controlling and operating sun blinds. We list the advantages:

- Easy operation: with remote control and/or via the BREL HOME app.
- Rechargeable Li-Ion batteries, integrated into the product, safe and convenient.
- Burglar-retardant: roller shutters with BREL motors reduce the risk of burglary.
- Slow stop function: allows roller shutters or screens to close silently.
- Waterproof: all connections between cord, panel and motor are fitted with waterproof DIN plugs, for years of trouble-free use.
- No worries: once installed it works without any problems.
- Sustainable design: aimed at years of use, batteries are recycled according to the EU and UK government.
- CO2 reduction through tree planting for BREL SOLAR products.

Discover all BREL products online



A source of information

The BREL HOME website contains various types of information about the products. Each motor and/or transmitter is provided with specifications and the associated manuals for the installation of the product. In addition to the manuals, there are also short instructional videos about the installation of the motors, operation with the BREL HOME app and the handheld transmitters.

Knowing more? Go to www.brel-home.com



Find information easily

Use our handy configurator to quickly and easily obtain the correct information if you do not know which type of motor is in the sun blind. The manual simply explains how to program the motor.



Points of sale

The BREL HOME website also indicates which companies sell sun blinds with BREL motors. This makes you easier to find for consumers. Would you also like to be here with your company? Send an email to sales@brel-home.com

UNFOOTPRINT

BREL SOLAR solutions make a sustainable impact



Why plant trees?

Trees not only absorb CO₂, they have many other benefits. They provide biodiversity, shade, food and economic development.

There are many organizations worldwide that are involved in planting trees and/or preserving existing forests. We have chosen to work with unFootprint. They assessed on the basis of more than 30 principles and criteria. Trees for the Future emerged as the best organization.



What are the benefits of Trees for the Future?

Trees for the Future delivers a measurable positive impact on 9 of the 17 Sustainable Development Goals signed worldwide:

- No poverty;
- Zero hunger;
- Good Health and well-being;
- Decent work and economic growth;
- Reduced inequalities;
- Responsible consumption and production;
- Climate action;
- Life on land;
- Partnership for the goals.

TRAINING

Stay informed of the latest developments



Knowledge is key!

With the right knowledge in-house, you can professionalize your company and serve your customers better. BREL HOME offers the opportunity to receive training at a company location. We train everyone who needs it: salespeople, technicians or technical service, everyone is welcome! A BREL HOME training takes a maximum of 1.5 hours, including half an hour of explanation about the motors and 1 hour of questions and answers regarding practical examples. BREL HOME offers a standard training, but the training can also be tailored specifically to your wishes.

Benefits of the training:

- Knowledge is up-to-date
- Expertise of BREL products
- Correct advice to the consumer
- Work more efficiently
- Problem-free deliveries
- Solve challenges easily
- Save time
- Increasing customer satisfaction

Request training

You can easily request a training course by sending an email to sales@brel-home.com. Please indicate the number of people and what you want training on.

Where?

Training can take place at a company location or at BREL HOME in the showroom.

PROMOTION

Sales material for your showroom



Complete your showroom with BREL

For promotion in your showroom, BREL HOME has various promotional materials that can support sales. BREL HOME offers the opportunity to furnish your showroom with BREL through a tailor-made starter package. In addition, various marketing materials are also available:

- Various brochures
- Display with brochures
- Smart Home brochure column
- Premium Dealer sticker (only for Premium Dealers)

Customized promotion

Do you need marketing material, but we don't offer it yet? Then get in touch with us. Then we can look at the possibilities together.

Do you want to know more?

Discuss the options with your contact person or send an email to marketing@brel-home.com.



WARRENTY

Extensively tested with a warranty of up to 5 years!



Tested thoroughly

BREL motors are developed according to our ideas and standards. In our factories, these products are very carefully assembled and checked on various points such as torque, sound, tension, final adjustments, brakes, etc. Our motors undergo a life cycle test of at least 10,000 cycles.

5 Jaar **garantie**
Year **warranty**

5 years warranty

Because the (Battery) motors have been extensively tested, we provide a 5-year warranty. Wear-sensitive parts such as remote controls, receivers and batteries have a 1-year warranty.



Terms and Conditions

Would you like to know more about warranty? Then read our general terms and conditions. You can find this at the back of the catalog or on our website www.brel-home.com

LOGISTICS

Large range of motors and accessories and fast delivery



Shipped with care

All orders are shipped from our warehouse in Doetinchem. Orders will be shipped depending on stock availability and your requested delivery date. Orders placed before 2:00 PM will be shipped the same day. Orders can be emailed to order@brel-home.com

Please contact us

Do you have questions about:

- Prices
- Current orders
- Invoices
- Inventory

Please contact us by telephone **0314-680448 (option 1)** or email to order@brel-home.com

Shipping prices

Shipping within the Netherlands:

- Package from €8,75
- Pallet: €75,-
- From €1500,- Franco

Shipping within EU:

- Package from €17,50
- Pallet from €100,-

Shipping outside EU:

- Prices based on recalculation by weight and dimensions



CUSTOMER SERVICE

Gebruiksvriendelijk en gemakkelijk te installeren



Easy installation in 4 simple steps

Thanks to the simple installation of the BREL motors, in principle any technician can install and program the products. However, it may happen that you encounter a challenge. BREL HOME's technical service is available every working day to answer your questions. In more than 90% of cases we can help you by telephone. A lot of information is also available on our website www.brel-home.com.



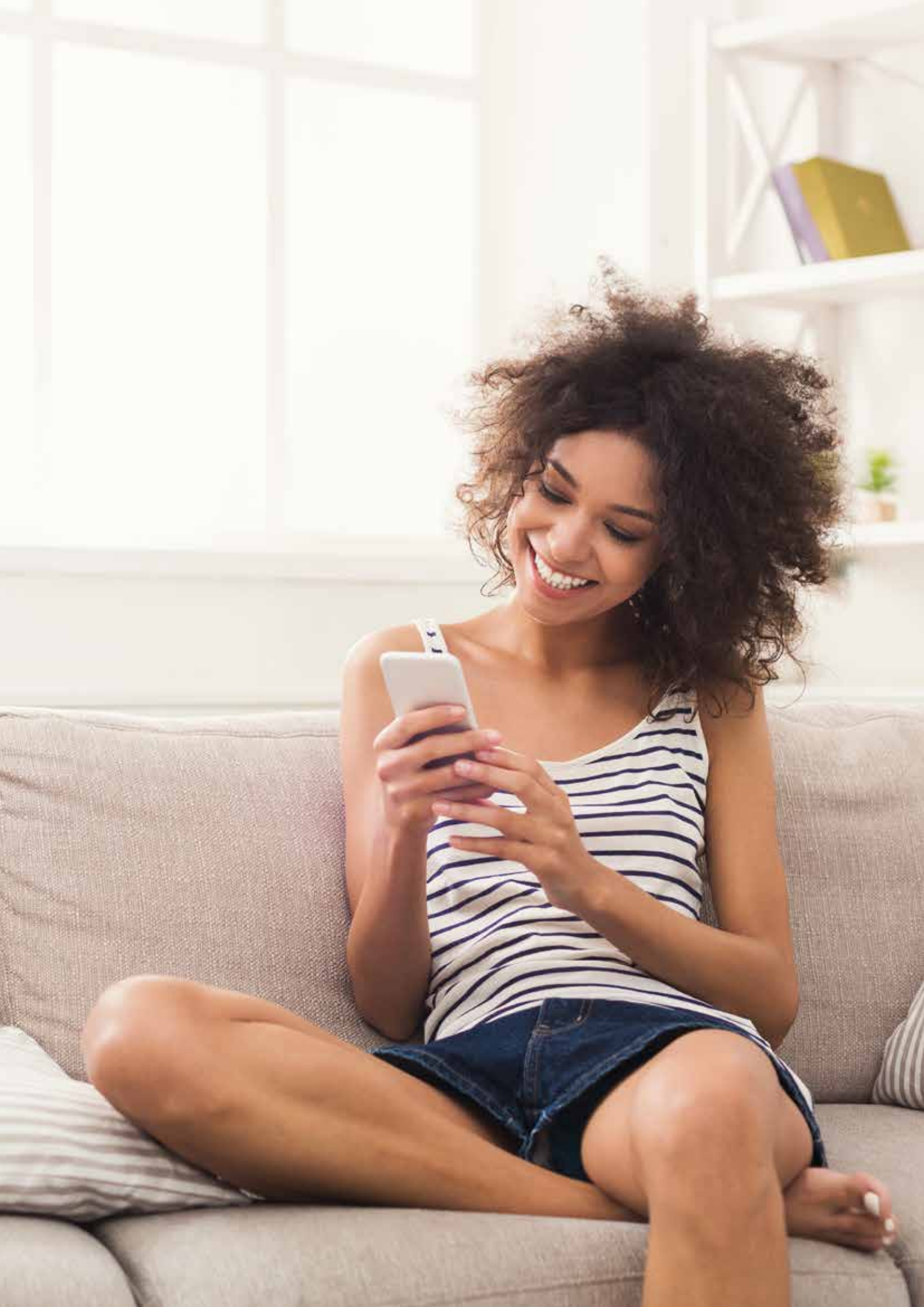
On-site service

BREL HOME offers the option of on-site service for complex problems. The application can be made using an application form by email to support@brel-home.com.



The technical service is ready to assist you

from Monday to Friday from 9:00 am to 5:00 pm. Technical support by telephone on **0314-680448 (option 3)** or email to support@brel-home.com



SMART HOME

BREL HOME app 16

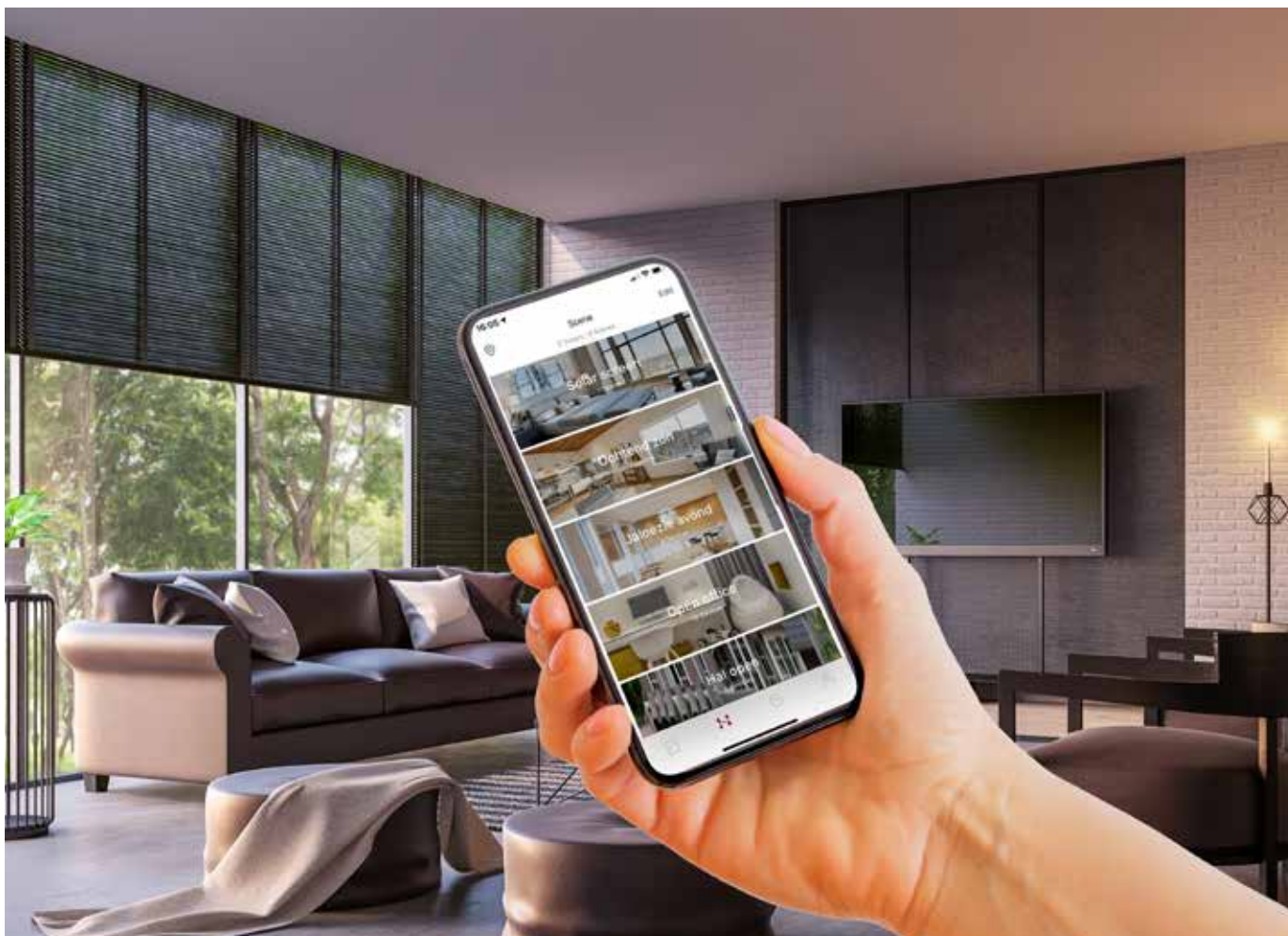
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BREL HOME APP

The control of BREL HOME



Smart and comfortable!

Anyone who chooses BREL HOME goes for ease of use: one app for controlling all products that contain a BREL smart motor. With the BREL HOME App, up to 30 motors can be controlled per hub. 5 hubs can be linked to your account. The BREL HOME Hub connects to the WiFi network and sends and receives signals to and from the motor, making operation with the app possible. This connection allows the motor to be operated at any time and from any location.

Home Box Mini

The Home Box mini is a compact USB WiFi hub. Easy to install via Bluetooth. This hub is suitable for bi-directional motors.

Home Box Duo

The Home Box Duo is a WiFi hub with an RS485 connection. Easy to install via Bluetooth. This hub is suitable for mono- and bi-directional motors.

Home Box Ultra

The Home Box Duo is the latest WiFi hub. The hub has a LAN/UTP connection so that the hub can also be connected directly to the router. This hub is suitable for bi-directional motors.



BREL HOME APP

Connect your BREL HOME app to other Smart Home systems



Options in the BREL HOME app

The BREL HOME app not only makes it possible to control sun blinds remotely, but there are also many other options that you can set in the app:

- Timers
- Scenarios
- Voice control by Siri



More connectivity

In addition to control with the BREL HOME app, it is also possible to connect the app to various Smart Home systems. Consider the following systems:



- Google Home
- Homey
- Amazon Alexa
- Home Assistant
- FIBARO Home Center

HOME AUTOMATION SYSTEMS

BREL HOME motors for building management systems



Specially for home automation systems

BREL HOME supplies smart motors that are extremely suitable for projects, thanks to a potential-free circuit. The 230 volt motors have an extra cable that can be connected directly to the existing building management system. There are no additional controls such as relay boxes, so no additional dry-contact transmitter is required. In addition, the motors have their own built-in receiver and can also be operated with a transmitter. The final distance settings are easily made via the bi-directional protocol. In addition, the standard motors are also suitable for home automation systems.

Examples Home automation system:

- KNX
- Loxone
- Fibaro
- Busch-Jaeger
- ABB
- Schneider Electric
- BR Controls
- Siemens
- Verkerk

And all other home automation systems



MATTER BY BREL

The technological development regarding connectivity



The language that ensures that all devices talk to each other

There are currently many technical developments underway regarding the connectivity of motors for sun blinds. BREL HOME keeps a close eye on these developments and applies them to our BREL HOME products as soon as this is realistic and workable. In the coming period, BREL HOME will integrate two innovations into its range.

There is a lot of talk about Matter. But what is it actually? Many people think that Matter is a kind of home automation system, home control. That's not it. However, it is a way to connect between a product and your phone. Whether you are at home or not. Matter is a language that allows all devices to talk to each other via Amazon's Alexa, Apple Homekit or Google Home.



What does Matter mean for BREL HOME

It is an ideal connection for indoor sun blinds because the wireless connection works well indoors. The integration of Matter into our indoor sun protection products has started and the first products will be ready at the beginning of 2024.

For outdoor sun blinds, connection with the remote control is still the best option, because the radio signal is much stronger than a Matter signal.



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OUTDOOR BLINDS

Motors for every type of outdoor blinds



BREL SOLAR

BREL Solar motors have become an indispensable part of the European sun protection industry. With four types of motors, the Solar concept can be used for any type of outdoor sun protection. In addition, BREL also has a wide range of solar panels and associated accessories.

BREL has developed an app for the Solar concept that can support the sale of BREL SOLAR. With the app you can easily determine the correct position for the solar panel.



Solaris

The Solar motor series is given a new name: Solaris. The **Solaris 35** is available in 6Nm and 13Nm. The 6Nm motor is equipped with an external battery, making the motor extra small.



This means that windows from 60cm can be equipped with solar. The **Solaris 45** is available in 20Nm and 40Nm. The 40Nm is suitable for large screens, roller shutters and folding arm awnings.

OUTDOOR BLINDS

Motors for every type of outdoor blinds



230V motors

In addition to Solar, BREL also has 230V radio motors. These motors work with the same protocol and can be adjusted electrically or mechanically. The 230 volt radio motors have additional options such as fabric stretch correction and obstacle detection.

BREL's standard motors are simple motors of good and reliable quality. These motors are mainly used for projects.

Triton

The series of 230V radio engines will be given a new name: Triton. The **Triton 35** contains electronic and mechanical motors of 10Nm and 13Nm. The **Triton 45** contains electronic and mechanical motors of 10Nm, 20Nm and 40Nm.

Ezio

The series of standard motorcycles will be given a new name: Ezio. The **Ezio 35** contains mechanical motors of 6Nm, 10Nm and 13Nm. The **Ezio 45** contains mechanical motors of 20Nm and 40Nm. The **Ezio 55** contains mechanical motors of 60Nm, 80Nm and 120Nm. The **Ezio 92** contains mechanical motors of 300Nm.



MOTOR OVERVIEW

Solaris motors	Order code	Screen	Roller shutter	Marquis	Drop-arm awning	Awning	Screen XL	Roller shutter XL
Solaris 35	BCE35-06	X	X	X	X			
	BLE35-13	X	X	X	X			
Solaris 45	BLE45-20	X	X	X	X			
	BLE45-40					X	X	X

Triton motors	Order code	Screen	Roller shutter	Marquis	Drop-arm awning	Awning	Screen XL	Roller shutter XL
Triton 35	BEQ35-10	X	X	X	X			
	BR35-10	X	X	X	X			
	BR35-13	X	X	X	X			
Triton 45	BR45-20	X	X	X	X			
	BR45-40	X	X	X	X			
	BRE45-10		X					
	BRE45-20		X					X
	BRE45-40		X					X
	BZE45-20	X		X	X	X	X	
	BZE45-40	X		X	X	X	X	
	BEK45-10	X	X	X	X			

MOTOR OVERVIEW

Ezio motors	Order code	Screen	Roller shutter	Marquis	Drop-arm awning	Awning	Screen XL	Roller shutter XL
Ezio 35	MS35-10	X	X	X	X			
	MS35-13	X	X	X	X			
	MSD35-10	X	X	X	X			
	MBQ35-06	X	X	X	X			
	MBQ35-10	X	X	X	X			
Ezio 45	MS45-20	X	X	X	X		X	
	MS45-40	X	X	X	X		X	
Ezio 55	MS55-60					X		X
	MS55-80					X		X
	MS55-120					X		X
Ezio 92	MH92-300							X

BREL SOLAR

Let the sun shine. Enjoy the energy!



Solar energy is the future

The sun gives us light and warmth every day. We enjoy the breaking rays of the sun to relax and to generate energy. The sun is our major energy source that we use at BREL HOME to create pleasant living comfort in and around your home.

By using solar energy for your living comfort, you are no longer dependent on the Current network and you use less energy. With BREL Solar we can easily and quickly create optimal indoor comfort without the need for air conditioning. This saves you energy costs. The sun charges the battery motors with which you raise or lower the blinds, roller shutters or screens. This way you contribute to a more sustainable world.



Simple and fast

Using our BREL SOLAR app you determine the perfect location with the most light for placing the solar panel. Useful during measuring and installation.



Solar motors

The standard BREL SOLAR motors are 13Nm and 20Nm. BREL has a 40Nm SOLAR motor for large screens and folding arm awnings and for small windows there is a 6Nm motor with external battery.

SOLARIS 35

35mm 12V electronic DC radio motor with external battery with DIN plug



- Electronic limit setting
- Built-in receiver
- 12V DC with external Lithium battery
- For narrow roller shutters and screens (60cm)
- Waterproof DIN plug
- Low energy consumption
- Dot-move function
- Theoretical runtime motor, fully charged battery (DC-1293) and maximum power: 94 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BCE35-06	6	24	35	503	15	35	3.00	12	IP44	

SOLARIS 35

35mm 12V electronic DC radio motor with DIN plug



- Electronic limit setting
- Built-in receiver
- 12V DC with built-in Lithium battery
- Waterproof DIN plug
- Dot-move function
- Theoretical runtime motor, fully charged battery and maximum power: 55 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE35-13	13	10	35	670	15	38	3.23	12	IP44	

SOLARIS 45

45mm 12V electronic DC radio motor with DIN plug



- Electronic limit setting
- Built-in receiver
- 12V DC with built-in Lithium battery
- Waterproof DIN plug
- Dot-move function
- Theoretical runtime motor, fully charged battery and maximum power: 49 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE45-20	20	10	45	664	15	50	4.10	12	IP44	

SOLARIS 45

45mm 12V electronic DC radio motor with DIN plug











- Electronic limit setting
- Built-in receiver
- 12V DC with built-in Lithium battery
- Waterproof DIN plug
- Dot-move function
- Theoretical runtime motor, fully charged battery and maximum power: 49 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE45-40	40	12	45	664	15	74.4	6.2	12	IP44	

SOLAR PANELS

Product	Description	Order code	Price
	Solar panel with black housing, 5W with waterproof DIN plug 554 x 60 x 10 mm	NC-1290	
	Solar panel without housing, 5W with waterproof DIN plug 570 x 56 x 3 mm	NC-1291	
	Solar panel with black housing, 3W with waterproof DIN plug 320 x 60 x 10 mm	NC-1292	
	Solar panel with black housing, 10W with waterproof DIN plug 1085 x 60 x 10 mm	NC-1295	
	Solar panel with white housing, 4,4W with waterproof DIN plug 780 x 60 x 10 mm	NC-2090	
	Glass solar panel, 5W with waterproof DIN plug 750 x 40 x 13 mm	NC-3090	
	Bracket for mounting NC-1290 or NC-1295 Set 2 pieces	BR-1290	
	Bracket for mounting NC-1290 on DC-1293 Set 2 pieces	BR-1293	

ACCESSORIES SOLARIS

Product	Description	Order code	Price
	Charger 12V EU male with DIN stekker male 300 cm cable length	DC-212	
	Battery 12V for BCE35-06 5100 mAh 590 x 270 x 270 mm	DC-1293	
	Standard White 15 channels Sun and wind function	THW2415	
	Sun and wind meter wireless 13.7V , 433.05 MHz	RW230	
	Three-way plug DIN for Solar 2x DIN female 1x DIN male	Z-46-001	
	DIN chargingpoint with fixing nut 5cm	Z-46-005	
	Extension wire with DIN for Solar 1x DIN female 1x DIN male	Z-46-025/050/ 100/200/500	

COVERPLATES

Product	Description	Order code	Price
	Coverplate for cable 35mm Solar motor Heroal screen 95	VAS35-HE-95	
	Coverplate for cable 35mm Solar motor Heroal screen 105	VAS35-HE-105	
	Coverplate for cable 45mm Solar motor AVZ screen 95	VAS45-AVZ-95	
	Coverplate for cable 45mm Solar motor Heroal screen 95	VAS45-HE-95	
	Coverplate for cable 45mm Solar motor Heroal screen 105	VAS45-HE-105	
	Coverplate for cable 45mm Solar motor Heroal screen 125	VAS45-HE-125	

ADAPTION

Product	Description	Order code	Price
	Adaption tube 8K40 35mm motor A8K40-35C + A8K40-35W	A8K40-35	
	Adaption tube 41 35mm motor A41-35C + A41-35W	A41-35	
	Adaption tube 50 35mm motor A50-45C + A50-45W	A50-35	
	Adaption 35mm motor for 45mm tube	V35-45	
	Adaption tube 8K50 45mm motor A8K50-45C + A8K50-45W	A8K50-45	
	Adaption tube 8K60/63 45mm motor A8K60/63-45C + A8K60/63-45W	A8K60/63-45	
	Adaption tube 63 45mm motor A63-45C + A63-45W	A63-45	
	Adaption zipscreen tube 8K60/63 45mm motor AZ63C + A8K60/63-45W	AZ63-45	

ADAPTION

Product	Description	Order code	Price
	Adaption tube 70 45mm motor A70-45C + A70-45W	A70-45	
	Adaption tube A8K70 45mm motor A8K70-45C + A8K70-45W	A8K70-45	
	Adaption tube 78 45mm motor A78-45C + A78-45W	A78-45	
	Adaption zipscreen tube 78 45mm motor AZ78C + A78-45W	AZ78-45	
	Adaption tube 85 45mm motor A85-45C + A85-45	A85-45	

MOTORBRACKETS

Product	Description	Order code	Price
	Adaption motor 35mm electronic motor crown	KR-35-E	
	Motorbracket 45mm crown	KR-45	
	Motorbracket crown 137 max. 30 Nm	KR-137	
	Motorbracket crown 150 max. 30 Nm	KR-150	
	Motorbracket crown 165 max. 30 Nm	KR-165	
	Motorbracket crown 180 max. 30 Nm	KR-180	
	Motorbracket crown 205 max. 30 Nm	KR-205	
	Motorbracket rolluik max. 30 Nm	BR-45	

230V MOTORS

Radio and standard motors 230 volt



230 volt radio motors

The radio motors from BREL all have the same bi-directional protocol, so the adjustment is the same for all motors. The BRE and BZE motors are special. These motors have several functionalities that the other 230 volt motors do not have, namely:

- Built-in receiver with Wifi
- Obstacle stop function
- Automatic fabric tension
- Up to 40 Nm

All 230 volt radio motors can be operated with our BREL HOME app.

Standard motors

The standard 230V motors can be controlled via a switch or home automation system. The standard motor can also be operated with a transmitter if a separate receiver is installed.



TRITON 35

35mm 230V electronic radio motor extra quiet



- Electronic limit setting
- Built-in receiver
- 230V AC
- Dot-move function
- Extra quiet (54db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BEQ35-10	10	17	35	580	500	144	0.63	230	IP44	

TRITON 35

35mm 230V mechanic radio motor



- Mechanic limit setting
- Built-in receiver
- 230V AC
- Dot-move function

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BR35-10	10	17	35	590	500	121	0.53	230	IP44	
BR35-13	13	14	35	590	500	121	0.53	230	IP44	

TRITON 45

45mm 230V mechanic radio motor



- Mechanic limit setting
- 230V AC
- Built-in receiver
- Dot-move function

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BR45-20	20	15	45	612	500	145	0.64	230	IP44	
BR45-40	40	15	45	643	500	198	0.86	230	IP44	

TRITON 45

45mm 230V electronic radio motor with WiFi



- Electronic limit setting
- Obstacle stop function
- Built-in receiver met WiFi
- Especially for roller shutters

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BRE45-10	10	15	45	615	500	113	0.48	230	IP44	
BRE45-20	20	15	45	610	500	161	0.69	230	IP44	
BRE45-40	40	15	45	663	500	228	0.99	230	IP44	

TRITON 45

45mm 230V electronic radio motor with WiFi



- Electronic limit setting
- Built-in receiver with WiFi
- 230V AC
- Obstacle stop function
- Automatic fabric tension
- Especially for awnings and screens

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BZE45-20	20	15	45	613	500	161	0.69	230	IP44	
BZE45-40	40	15	45	660	500	228	0.99	230	IP44	

TRITON 45

45mm 230V electronic radio motor extra short



- Electronic limit setting
- Built-in receiver
- 230V AC
- Dot-move function
- Third limit
- Extra short

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BEK45-10	10	15	45	410	300	113	0.48	230	IP44	

EZIO 35

35mm 230V standard motor



- Mechanic limit setting
- 230V AC

- Work plug on request

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS35-10	10	17	35	476	300	121	0.53	230	IP44	
MS35-13	13	14	35	476	300	121	0.53	230	IP44	

EZIO 35

35mm 230V standard motor extra short



- Mechanic limit setting
- 230V AC

- Extra short

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MSD35-10	10	17	35	396	300	121	0.53	230	IP44	

EZIO 35

35mm 230V standard motor extra quiet



- Mechanic limit setting
- 230V AC

- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MBQ35-06	6	28	35	512	300	121	0.53	230	IP44	
MBQ35-10	10	17	35	512	300	142	0.62	230	IP44	

EZIO 45

45mm 230V standard motor



- Mechanic limit setting
- 230V AC

- Work plug on request

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS45-20	20	15	45	476	300	145	0.64	230	IP44	
MS45-40	40	15	45	540	300	198	0.86	230	IP44	

EZIO 55

55mm 230V standard motor



- Mechanic limit setting
- 230V AC

- Centered in tube 85

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS55-60	60	12	55	605	300	320	1.39	230	IP44	
MS55-80	80	12	55	605	300	385	1.65	230	IP44	
MS55-120	120	7	55	630	300	393	1.68	230	IP44	

EZIO 92

92mm 230V standard motor with manual override



- Mechanic limit setting
- 230V AC

- Manual override

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MH92-300	300	9	92	605	300	940	4.08	230	IP44	



ACCESSORIES TRITON

Product	Description	Order code	Price
	Sun and wind meter wireless 433.05 MHz	RW230	
	Limit setting cable	Z-25	
	Cable 3-core 0,75m2 per 100m	Z-33	
	Cable with plug 250cm	Z-40	
	Cable 4-core 0,75m2 per 100m	Z-44	

ACCESSORIES EZIO

Product	Description	Order code	Price
	Receiver Bi-directional IP55	RW340	
	Dry contact receiver for Home automation	RW100	
	Surface mounted receiver for wall socket with integrated switch	RW120	
	Flush-mounted receiver for wall socket with integrated switch	RW110	
	Work plug STAS 3 Male double earthed	Z-22	
	Work plug STAK 3 Female double earthed	Z-23	
	Hirschmann work plug STASI 3 clip	Z-24	
	Cable 3-core 0,75m2 per 100m	Z-33	

ACCESSOIRES EZIO

Product	Description	Order code	Price
	Cable with plug 250cm	Z-40	
	Cable 4-core 0,75m2 per 100m	Z-44	

ADAPTION

Product	Description	Order code	Price
	Adaption tube 8K40 35mm motor A8K40-35C + A8K40-35W	A8K40-35	
	Adaption tube 41 35mm motor A41-35C + A41-35W	A41-35	
	Adaption tube 50 35mm motor A50-45C + A50-45W	A50-35	
	Adaption 35mm motor for 45mm Tube	V35-45	
	Adaption tube 8K50 45mm motor A8K50-45C + A8K50-45	A8K50-45	
	Adaption tube 8K60/63 45mm motor A8K60/63-45C + A8K60/63-45W	A8K60/63-45	
	Adaption tube 63 45mm motor A63-45C + A63-45W	A63-45	
	Adaption zipscreen tube 8K60/63 45mm motor AZ63C + A8K60/63-45W	AZ63-45	

ADAPTION

Product	Description	Order code	Price
	Bung 'no-motor side' zipscreen tube 63	DZ-63	
	Crown tube Feller ZF54 45mm motor	AZF54-45C	
	Wheel tube Feller ZF54 45mm motor	AZF54-45W	
	Adaption tube 70 45mm motor A70-45C + A70-75W	A70-45	
	Adaption tube A8K70 45mm motor A8K70-45C + A8K70-45W	A8K70-45	
	Adaption tube 78 45mm motor A78-45C + A78-45W	A78-45	
	Adaption zipscreen tube 70 45mm motor AZ78C + A78-45W	AZ78-45	
	Adaption tube 79 45mm motor A79-45C + A79-45W	A79-45	

ADAPTION

Product	Description	Order code	Price
	Adaption tube 85 45mm motor A85-45C + A85-45W	A85-45	
	Adaption tube 100 45mm motor A100-45C + A100-45W	A100-45	
	Adaption tube A8K70 55mm motor A8K70-55C + A8K70-55W	A8K70-55	
	Adaption tube 78 55mm motor A78-55C + A78-55W	A78-55	
	Adaption tube 85 55mm motor A85-55C + A85-55W	A85-55	
	Adaption tube 100 55mm motor A100-55C + A100-55W	A100-55	
	Adaption tube 110 55mm motor A110-55C + A110-55W	A110-55	
	Adaption tube A8K112 55mm motor A8K112-55C + A8K112-55W	A8K112-55	


ADAPTION

Product	Description	Order code	Price
	Adaption 55mm motor for 59mm tube	V55-59	
	Adaption tube 100 92mm motor A100-92C + A100-92W	A100-92	
	Adaption tube 107 92mm motor A107-92C + A107-92W	A107-92	
	Adaption tube 125 92mm motor A125-92C + A125-92W	A125-92	
	Adaption tube 160 92mm motor A160-92C + A160-92W	A160-92	

MOTORBRACKETS

Product	Description	Order code	Price
	Adaption motor 35mm electronic motor crown	KR-35-E	
	Adaption motor 35mm standard motor	KR-35-S	
	Motorbracket 45mm crown	KR-45	
	Motorbracket crown 137 max. 30 Nm	KR-137	
	Motorbracket crown 150 max. 30 Nm	KR-150	
	Motorbracket crown 165 max. 30 Nm	KR-165	
	Motorbracket crown 180 max. 30 Nm	KR-180	
	Motorbracket roller shutter max. 30 Nm	BR-45	

MOTORBRACKETS

Product	Description	Order code	Price
	Motorbracket awnings max. 50 Nm	BZ-45	
	Motorbracket square 55mm motor max. 120 Nm	BZ-55	
	Motorbracket screen 85	BR-85	
	Motorbracket screen 95	BR-95	
	Motorbracket roller shutter 137 max. 30 Nm	BR-137	
	Motorbracket roller shutter 150 max. 30 Nm	BR-150	
	Motorbracket roller shutter 165 max. 30 Nm	BR-165	
	Motorbracket roller shutter 180 max. 30 Nm	BR-180	

OTHER

Product	Description	Order code	Price
	Motor shaft 35mm motor	BW-35	
	Motor shaft 45mm motor	BW-45	
	Adaption 35mm motor for 45mm tube universal	V35-45 UN	
	Spring roller shutter, 2-piece	VH2	
	Spring roller shutter, 3-piece	VH3	
	Bearing with plate for Carré 95	H-Lagerblok- 9999	
	Metal plate Carré 95	H-Plaatje-Carré	
	Wallbracket Carré 95 with helix	L-CM-9001/ 9010/9999/ANO	

OTHER

Product	Description	Order code	Price
	Armbracket headrail	H-Topstuk-9001/9010/9999/ANO	
	Drop-arm with spring	H-Windvast-9001/9010/9999/ANO	
	Bearing pin 12mm 30mm long	V-A12-30	
	Bearing pin 12mm 50mm long	V-A12-50	
	Flush-mounted box for DC-1680	Z-67	



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INDOOR BLINDS

Motors for every type of indoor blinds



System motors

The series of system motors will be given a new name: **Juno**. The Juno series contains 6 different motors. BREL system motors are suitable for various types of pleated blinds, Roman blinds and venetian blinds. System motors are very compact so that they are easy to place in the system. The motors can be supplied with power via a small battery or via a transformer. The Tilt Only motor is exceptional among system motors. This is suitable for (existing) 50mm venetian blinds to tilt the slats.



Curtain track motors

BREL has four types of curtain track motors in its range with the associated accessories. The series of curtain track motors will have a new name: **Luna**. The Luna motors are either with battery or on 230V.



The bi-directional motors have automatic limit settings and the motors have manual override. All motors have an RJ11 connection in the motor, making them easy to connect to a home automation system.

INDOOR BLINDS

Motors for every type of indoor blinds



Tubular motors

The tubular motors for indoor sun blinds are suitable for 50mm blinds, roman and roller blinds. Thanks to our 3D printers, the tubular motors fit into any type of tube. With our software program we can draw adaptation for the relevant tube. They are then printed on one of ten 3D printers.

Lio

The battery motor series is given a new name: Lio. This series includes the **Lio 15**, **Lio 20**, **Lio 25** and the **Lio 35**.

Nino

The series of 230v radio motors is called: Nino. This series includes the **Nino 25** and the **Nino 35**.

Ezio

The series of standard motors is called: Ezio. This series includes the **Ezio 25**, **Ezio 35** and the **Ezio 45**.

Vesta

The series of project motors is called: Vesta. The **Vesta 28** is suitable for both indoor and projects.



MOTOR OVERVIEW

Juno motors	Order code	Pleated blinds standard	Pleated blinds TDBU	Pleated blinds schuin	Pleated blinds horizontaal	Roman blinds	Venetian blinds 25mm	Venetian blinds 50mm
Juno	BJE24S	X				X	X	
	BJE24D	X				X	X	
	BJE24TD		X					
	BJE24TR			X				
	BJE24Q				X			
	BTE50							X
Lio motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Curtain			
Lio 15	BLE15		X	X				
Lio 20	BLE20		X	X				
Lio 25	BLE25		X	X				
Lio 28	BLEQ28		X	X				
Lio 35	BLEQ35-6	X	X	X				
	BLE35-13 USB-C	X	X	X				
Nino motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Curtain			
Nino 25	BPE25		X	X				
Nino 35	BEQ35-6	X	X	X				
Vesta motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Curtain			
Vesta 28	BPEQ28	X	X	X				

MOTOR OVERVIEW

Luna motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Curtain
Luna	BG-980				X
	BGLE-980				X
	MG-45				X
	MGS-45				X

Ezio motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Screen	Roller shutter	Marquis	Drop-arm awning
Ezio 25	MS25		X	X				
	MDS25		X	X				
Ezio 35	MS35-10	X	X	X	X			
	MS35-13	X	X	X	X			
	MSD35-10	X	X	X	X			
	MBQ35-6	X	X	X	X			
	MBQ35-10	X	X	X	X			
Ezio 45	MS45-20	X	X	X	X			
	MS45-40	X	X	X	X			

SYSTEM MOTORS

Motorization for the smallest systems



The motor specialist for pleated curtains

BREL HOME has 5 different motors for pleated blinds. For the standard pleated blinds we have the Juno side motor and the Juno center motor. In addition, BREL HOME has 2 patent-registered motors: Juno for Top-Down-Bottom-Up pleated blinds and the Juno for slanting pleated blinds. The latest motor for pleated blinds is the Juno for horizontal pleated blinds with endless cords that are suitable for patio covers and verandas.



System motors

In addition to pleated blinds, the Juno side motor and Juno middle motor can be used for small roman and roller blinds and venetian blinds 25mm. Motors can be supplied with power via a battery pack or a transformer.



Tilt only

BREL HOME has the Juno Tilt only motor for 50mm venetian blinds. This tilts the slats, but manual override is also possible. This means that existing blinds can also be motorized.

JUNO

24mm 12V electronic DC radio motor single shaft



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- Automatic power off switch
- Backlash compensation for axis
- Theoretical runtime motor, fully charged battery (DC-1330) and maximum power: 95 min
- Theoretical runtime motor, fully charged battery (DC-1277) and maximum power: 280 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BJE24S	0.6	34	24	129	30	8	1.00	12	IP20	

JUNO

24mm 12V electronic DC radio motor double shaft



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- Automatic power off switch
- Backlash compensation for axis
- Theoretical runtime motor, fully charged battery (DC-1330) and maximum power: 60 min
- Theoretical runtime motor, fully charged battery (DC-1277) and maximum power: 180 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BJE24D	0.8	34	24	190	30	14	1.18	12	IP20	

JUNO

24mm 12V patent registered electronic DC radio motor TDBU



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- Automatic power off switch
- Backlash compensation for axis
- Theoretical runtime motor, fully charged battery (DC-1277) and maximum power: 120 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BJE24TD	2X0.6	34	24	320	30	8	0.63	12	IP20	

JUNO

24mm 12V patent registered electronic DC radio motor Triangle



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- Automatic power off switch
- Backlash compensation for axis
- Theoretical runtime motor, fully charged battery (DC-1277) and maximum power: 120 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BJE24TR	2X0.6	34	24	320	30	8	0.63	12	IP20	

JUNO

24mm 12V electronic DC radio motor for endless cord pleated blinds



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- Automatic power off switch
- Backlash compensation for axis
- Theoretical runtime motor, fully charged battery (DC-1329) and maximum power: 95 min
- Theoretical runtime motor, fully charged battery (DC-1277) and maximum power: 280 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BJE24D/Q	0.8	34	24	190	30	14	1.18	12	IP20	

JUNO

5V Tilt only electronic DC radio motor micro USB set incl. Battery and charging point



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- 5V DC motor
- Can be operated with wand
- Charging point white or black wit of zwart
- Outgoing axis square 6mm
- Outgoing axis hex 5mm

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BTE50-W BTE50-B	0.6	10	31	91	X	5	0.54	8.4	IP20	

ACCESSORIES

Product	Description	Order code	Price
	While stocks last Battery 12V 950mAh charging DIN / motor JST	DC-1201	
	Battery 12V 2600Mah charging DIN / motor JST 245 x 30 x 30 mm Wit	DC-1277	
	Battery 12V 2600Mah charging DIN / motor JST 245 x 30 x 30 mm Zwart	DC-1277B	
	Battery 12V 650 mAh charging DIN / motor JST 130 x 30 mm	DC-1329	
	Battery 12V 650 mAh charging USB-C / motor JST 130 x 30 mm	DC-1330	
	Three-way cable JST 2x JST female 1x JST male	Z-43-001	
	Extension cable JST 1x JST male 1x DIN male	Z-43-002	
	Extension cable JST 1x JST female 1x JST male	Z-43-025 / 50 / 100 / 200 / 500	

ACCESSORIES

Product	Description	Order code	Price
	Charger 12V EU male with DIN plug male 300 cm cable length	DC-212	
	Charger 12V UK male with DIN plug male 300 cm cable length	DC-213	
	Charger 12V US male with DIN plug male 300 cm cable length	DC-200	
	Transformer 12V EU 5A JST female max. 5 motoren	DC-232W	
	Transformer 12V UK 5A JST female max. 5 motoren	DC-233W	
	Transformer 12V US JST female	DC-201	
	Transformer 12V EU JST female	DC-202	
	Transformer 12V UK JST female	DC-203	

ADAPTION

Product	Description	Order code	Price
	Reducer 4k5	V4K5	
	Reducer 4k5 with locking screw	V4K5-VA	
	Reducer 6k5	V6K5	
	Reducer 6k6	V6K6	
	Reducer 4k5 Hunter Douglas	V-HD-R5	
	Fixation for shaft 4k5	Z-75-4K5	

MOTORBRACKETS

Product	Description	Order code	Price
	Fixation bracket motor 24 HD VB/PB head	BP-24	
	Motorbracket for Roman blinds Madrid	BPHEM-24	
	Motorbracket for Roman blinds Valencia	BPHEV-24	
	Motorbracket for Vako 20.04 Coulisse or Heditex-Valencia	BP-VA	
	Battery holder DC1277 for Madrid rail	BP-HE-MA-1277	
	Battery holder DC1277 for Valencia rail	BP-HE-VA-1277	

TUBULAR MOTORS

Enjoy silently and comfortably



BREL HOME has developed a range of quiet motor especially for the automatic operation of the interior blinds. This allows you to enjoy your indoor blinds silently. The quiet motors for indoor blinds are:

- Lio 28
- Vesta 28
- Lio 35
- Nino 35



Universally rechargeable

To maintain indoor comfort, BREL HOME has also equipped its motors with the USB-C charging point. This concerns all battery motors that are suitable for indoor sun blinds. These motors are equipped with the USB-C charging point:

- Lio 15
- Lio 20
- Lio 25
- Lio 28
- Lio 35

L10 15

15mm 5V electronic DC radio motor USB-C



- Electronic limit setting
- Built-in receiver
- 5V DC with built-in Lithium battery
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch
- Motorhead 30mm

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE15 USB-C	0.3	30	15	372	X	10	2	5	IP20	

L10 20

20mm 5V electronic DC radio motor USB-C



- Electronic limit setting
- Built-in receiver
- 5V DC with built-in Lithium battery
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch
- Especially for 32mm tube

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE20	0.5	28	20	485	X	10	2	5	IP20	

L10 25

25mm 5V electronic DC radio motor USB-C



- Electronic limit setting
- Built-in receiver
- 5V DC with built-in Lithium battery
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE25	1.1	28	25	500	X	10	2	5	IP20	

L10 28

28mm 5V electronic DC radio motor USB-C extra quiet



- Electronic limit setting
- Built-in receiver
- 5V DC with built-in Lithium battery
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch
- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLEQ28	2	28	28	670	X	22	1.60	5	IP20	

L10 35

35mm 5V electronic DC radio motor USB-C extra quiet



- Electronic limit setting
- Built-in receiver
- 5V DC with built-in Lithium battery
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch
- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLEQ35-6	6	24	35	694	15	38	3.23	5	IP20	

L10 35

35mm 5V electronic DC radio motor USB-C



- Electronic limit setting
- Built-in receiver
- 5V DC with built-in Lithium battery
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BLE35-13 USB-C	13	11	35	690	15	38	3.23	5	IP20	

NINO 25

25mm 230V electronic radio motor



- Electronic limit setting
- Built-in receiver
- 230V AC (2 wires)
- Extra powerful motor
- Dot-move function
- Third limit
- Automatic power off switch

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BPE25	1.5	32	25	485	500	8	0.63	110-230	IP20	

VESTA 28

28mm 230V electronic radio motor extra quiet



- Electronic limit setting
- Built-in receiver
- 230V AC (2 wires)
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch
- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BPEQ28	2	28	28	645	500	18	1.0	110-230	IP20	

NINO 35

35mm 230V electronic radio motor extra quiet



- Electronic limit setting
- Built-in receiver
- 230V AC
- Low energy consumption
- Dot-move function
- Third limit
- Automatic power off switch
- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BEQ35-06	6	28	35	580	500	144	0.63	110-230	IP44	

EZIO 25

25mm 230V standard motor



- Electronic limit setting
- 230V AC (2 wires)
- Parallel switching
- Max. 90 per 16A fuse

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS25	1.5	32	25	445	200	13	0.15	110-230	IP20	

EZIO 25

25mm 24V DC standard motor extra short



- Mechanic limit setting
- 24V AC

- Min. Tube diameter 35mm

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MDS25	0.7	34	25	325	200	10	0.4	24	IP20	

EZIO 35

35mm 230V standard motor extra quiet










- Mechanic limit setting
- 230V AC

- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MBQ35-06	6	28	35	512	300	121	0.53	230	IP44	
MBQ35-10	10	17	35	512	300	121	0.53	230	IP44	

ACCESSORIES

Product	Description	Order code	Price
	USB Cable with magnet 300 cm	Z-42-300M	
	Magnetic plug Micro USB	Z-42-01	
	Magnetic plug USB-C	Z-42-02	
	Charger 12V EU	DC-220	
	Charger 12V UK	DC-221	
	Charger 12V US	DC-222	
	Solar panel with white housing, 5W with USB-C 400 x 50 x 8 mm	DC-1288	


ADAPTION

Product	Description	Order code	Price
	Adaption tube 8K40 35mm motor A8K40-35C + A8K40-35W	A8K40-35	
	Adaption tube 41 35mm motor A41-35C + A41-35W	A41-35	
	Adaption tube 50 35mm motor A50-45C + A50-45W	A50-35	
	Adaption 35mm motor to 45mm tube	V35-45	
	Adaption tube 8K50 45mm motor A8K50-45C + A8K50-45	A8K50-45	
	Adaption tube 8K60/63 45mm motor A8K60/63-45C + A8K60/63-45W	A8K60/63-45	
	Adaption tube 63 45mm motor A63-45C + A63-45W	A63-45	

OTHER

Product	Description	Order code	Price
	Motorbracket round 35mm motor for venetian blinds	BP-52	
	Motorbracket square 35mm motor for venetian blinds	BP-52-2	
	Conus for tube 8K40	VC-W1	
	Container tube holder round 50mm White	VC-W2W	
	Container tube holder round 50mm Grey	VC-W2G	
	Container tube holder round 50mm Black	VC-W2B	
	Tube plug with shaft for tube 8K40	VP-8K40	
	Clip for 35mm and 45mm motor	Z-55	

OTHER

Product	Description	Order code	Price
	Clip for 16mm and 25mm motor	Z-56	
	Shaft for 25mm motor	Z-57	

ADAPTION BENTHIN

Tube	15mm motor	20mm motor	25mm motor	28mm motor	35mm motor
alu 20	ABB20-15				
alu 20R	ABBR20R-15				
alu 29	ABB29-15	ABB29-22	ABB29-25		
alu 29R	ABBR29R-15	ABBR29R-22	ABBR29R-25		
alu 32		ABB32-22	ABB32-25		
alu 38		ABB38-22	ABB38-25	ABB38-28	
alu 43			ABB43-25	ABB43-28	
alu 44			ABB44-25	ABB44-28	ABB44-35
alu 52			ABB52-25	ABB52-28	ABB52-35
alu 65 SL				ABB65S-28	ABB65S-35
alu 65				ABB65-28	ABB65-35
Motorbracket	BRS-25M	BRS-22	BRS-25	BRS-28	BRS-35

ADAPTION HUNTER DOUGLAS

Tube	15mm motor	20mm motor	25mm motor	28mm motor	35mm motor
staal 32.6	AHD32-15	AHD32-20	AHD32-25		
staal 36.9		AHD38-20	AHD38-25	AHD38-28	
staal 34.2		AHD34-20	AHD34-25		
staal 40.2			AHD40-25	AHD40-28	
staal 53.2			AHD50-25	AHD50-28	AHD53-25
Motorbracket	BRS-25	BRS-22	BRS-25	BRS-28	BRS-35

ADAPTION COULISSE

Tube	15mm motor	20mm motor	25mm motor	28mm motor	35mm motor
alu 25	ACC25-15	ACC25-22			
alu 28	ACC28-15	ACC28-22	ACC28-25		
alu 30	ACC30-15	ACC30-22	ACC30-25		
alu 35		ACC35-22	ACC35-25		
alu 38		ACC38-22	ACC38-25	ACC38-28	
alu 42		ACC42-22	ACC42-25	ACC42-28	ACC42-35
alu 50			ACC50-25	ACC50-28	ACC50-35
alu 65				ACC65-28	ACC65-35
alu 80				ACC80-28	ACC80-35
Motorbracket	BRCCA-25	BRCCA-22	BRCCA-25	BRCCA-28	BRCCA-35

ADAPTION LOUVOLITE

Tube	15mm motor	20mm motor	25mm motor	28mm motor	Motorbracket
alu 32	AL032-15	AL032-20	AL032-25		BRL-32
alu 35		AL035-20	AL035-25		BRL-40
alu 40		AL040-20	AL040-25	AL040-28	BRL-45
alu 45-2L			AL045-25	AL045-28	BRL-45
alu 45-3L			AL045S-25	AL045S-28	

ADAPTION DECORA

Tube	15mm motor	20mm motor	25mm motor	28mm motor	Motorbracket
Tube 32	AL032-15	AL032-22	AL032-25		BRL-32
Tube 40		AL040-22	AL040-25	AL040-28	BRL-40
Tube 45-2			AL045-2-25	AL045-2-28	BRL-45
Tube 45-3			AL045-3-25	AL045-3-28	BRL-45

ADAPTION VAKO

Tube	15mm motor	20mm motor	25mm motor	28mm motor	35mm motor
alu 25	ACC25-15	ACC25-22			
alu 28	ACC28-15	ACC28-22	ACC28-25		
alu 30	ACC30-15	ACC30-22	ACC30-25		
alu 35		ACC35-22	ACC35-25		
alu 38		ACC38-22	ACC38-25	ACC38-28	
alu 42		ACC42-22	ACC42-25	ACC42-28	ACC42-35
alu 50			ACC50-25	ACC50-28	ACC50-35
Motorbracket	BRCCA-25	BRCCA-22	BRCCA-25	BRCCA-28	BRCCA-35

ADAPTION BAYAR

Tube	15mm motor	20mm motor	25mm motor	28mm motor	35mm motor
Tube 38	ABA38-15	ABA38-22	ABA38-25	ABA38-28	
Tube 40	ABA38-15	ABA40-22	ABA40-25	ABA40-25	
Motorbracket	BRS-25	BRS-22	BRS-25	BRS-28	BRS-35

CURTAINTRACK MOTORS

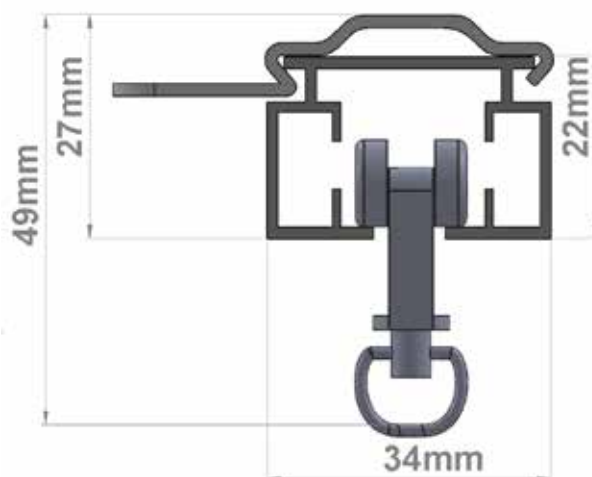
Opening and closing curtains



Bring the future into your home

Electrically operating curtains is the future for your home. Electric curtain rails are perfect for hard-to-reach or heavy curtains. With the BREL HOME solutions you can also ensure that the curtains open and close automatically during holidays.

Standard track



Radio motor

BREL HOME has 3 types of radio motors for curtains. Unique to the BG-980 is that this motor is equipped with a **WiFi** function, allowing the motor to be linked directly to the app.

Standard motor

BREL HOME has 1 standard motor for curtains in its range. This standard 230V motor is especially for projects. Thanks to the Dry Contact input, all motors can easily be connected to a home automation system.

LUNA

12V electronic DC radio curtain motor



- Automatic limit setting
- Built-in receiver
- Third limit
- Automatic power off switch
- Stall protection
- Manual override
- Pluggable Lithium battery pack
- Dry Contact input

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BGLE-980	1.2	20	40	430	X	16	1.0	14.8	IP40	

LUNA

230V electronic radio curtain motor with WiFi



- Automatic limit setting
- Built-in receiver
- Third limit
- Automatic power off switch
- Stall protection
- Manual override
- Dry Contact input
- WiFi function

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BG-980	1.2	14	50	450	500	13	0.14	110-240	IP40	

LUNA

230V electronic radio curtain motor



- Automatic limit setting
- Built-in receiver
- Stall protection
- Manual override
- Dry Contact input

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BG-45	0.8	20	70	245	500	45	0.23	230	IP40	

LUNA

230V standard curtain motor



- Electronic limit setting
- 230V AC
- Automatic power off switch
- For switch or Home automation
- Especially for projects

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MGS-45	0.8	20	70	245	500	45	0.23	230	IP40	

ACCESSOIRES

Product	Description	Order code	Price
	Curtain track 7m	G-01	
	Belt per 100m	G-02	
	1e runner	G-03	
	Component set BG-45 and MGS-45	G-04	
	Wall bracket	G-07	
	Cable for Home automation RJ11 plug	G-09	
	Runner 12,6mm	G-10	
	Ceilingclip S-Track	G-15	

ACCESSORIES S-TRACK

Product	Description	Order code	Price
	Wave-runner 60mm	G-17	
	Wave-runner 80mm	G-18	
	Component set horizontal right BG-980 and BGLE-980	G-22-R	
	Component set horizontal left BG-980 and BGLE-980	G-22-L	
	Componentenset verticaal BG-980 and BGLE-980	G-23	
	Charger 12V EU male with DIN plug male for BGLE-980 300 cm cable length	DC-216	
	Charger 12V UK male with DIN plug male for BGLE-980 300 cm cable length	DC-217	
	Solar panel with XL DIN plug BGLE-980	DC-1289G	



PROJECT BLINDS

Potential-free switching 90

Motor overview 91

Project motors 92



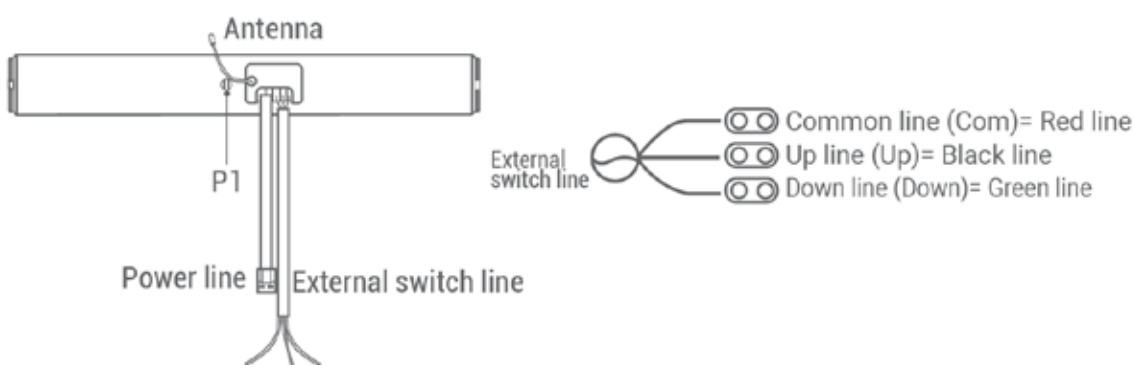
POTENTIAL-FREE SWITCHING

Motors for project sun blinds



Specially for home automation systems

BREL HOME supplies smart motors that are extremely suitable for projects, thanks to a potential-free circuit. The **Vesta** series includes motors with potential-free switching. The 230 volt motors have an extra cable that can be connected directly to the existing building management system. So no additional control such as relay boxes or dry-contact transmitters are required. In addition, the motors have their own built-in receiver and can also be operated with a transmitter. The final distance settings are easily made via the bi-directional protocol. The project motors can be connected directly to the control system.



Examples Home automation system:

- KNX
- Loxone
- Fibaro
- Busch-Jaeger
- ABB
- Schneider Electric
- BR Controls

And all other home automation systems

More information?

Would you like to know more about potential-free switching or would you like advice for your project? Send an email to sales@brel-home.com. You will then receive tailor-made advice and possibly receive a matching quote for the project.

MOTOR OVERVIEW

Vesta motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Pleated blinds standaard
Vesta 24	BJE24DD		X	X	X
Vesta 25	BPE25DD		X	X	
Vesta 28	BPEQ28DD	X	X	X	
Vesta 35	BEQ35DD	X	X	X	

Ezio motors	Order code	Venetian blinds 50mm	Roller blinds	Roman blinds	Screen	Roller shutter	Marquis	Drop-arm Awning
Ezio 25	MS25		X	X				
	MDS25		X	X				
Ezio 35	MS35-10				X	X	X	X
	MS35-13				X	X	X	X
	MSD35-10				X	X	X	X
	MBQ35-06	X	X	X	X	X	X	X
	MBQ35-10	X	X	X	X	X	X	X
Ezio 45	MS45-20				X	X	X	X
	MS45-40				X	X	X	X

VESTA 24

24mm 12V electronic radio motor double shaft



- Electronic limit setting
- Built-in receiver
- Dot-move function
- Third limit
- Automatic power off switch
- Potential-free switching
- Backlash compensation for axis
- Theoretical runtime motor, fully charged battery (DC-1330) and maximum power: 60 min
- Theoretical runtime motor, fully charged battery (DC-1277) and maximum power: 180 min

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BJE24DD	0.8	34	24	190	30	14	1.18	12	IP20	

VESTA 25

25mm 230V electronic radio motor



- Electronic limit setting
- Built-in receiver
- 230V AC
- Extra powerfull motor
- Potential-free switching
- Dot-move function
- Third limit
- Automatic power off switch

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BPE25DD	1.5	32	25	485	500	8	0.63	110-230	IP20	

VESTA 28

28mm 230V electronic radio motor extra quiet



- Electronic limit setting
- Built-in receiver
- 230V AC
- Potential-free switching
- Dot-move function
- Third limit
- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BPEQ28DD	2	28	28	645	500	18	1.0	110-230	IP20	

VESTA 35

35 mm 230V electronic radio motor



- Electronic limit setting
- Built-in receiver
- 230V AC
- Potential-free switching
- Dot-move function
- Third limit
- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
BEQ35DD	2	28	28	645	500	18	1.0	230	IP20	

EZIO 25

25mm 230V standard motor



- Electronic limit setting
- 230V AC

- Parallel switching
- Max. 90 per 16A fuse

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS25	1.5	32	25	445	200	13	0.15	110-230	IP20	

EZIO 25

25mm 24V standard motor



- Mechanic limit setting
- 24V AC

- Min. rollertube diameter 35mm

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MDS25	0.7	34	25	325	200	10	0.4	24	IP20	

EZIO 35

35mm 230V standard motor extra quiet



- Mechanic limit setting
- 230V AC

- Extra quiet (54 db)

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MBQ35-06	6	28	35	512	300	121	0.53	230	IP44	
MBQ35-10	10	17	35	512	300	121	0.62	230	IP44	

EZIO 35

35mm 230V standard motor



- Mechanic limit setting
- 230V AC

- Work plug on request

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS35-10	10	17	35	476	300	121	0.53	230	IP44	
MS35-13	13	14	35	476	300	121	0.53	230	IP44	

EZIO 45

45mm 230V standard motor

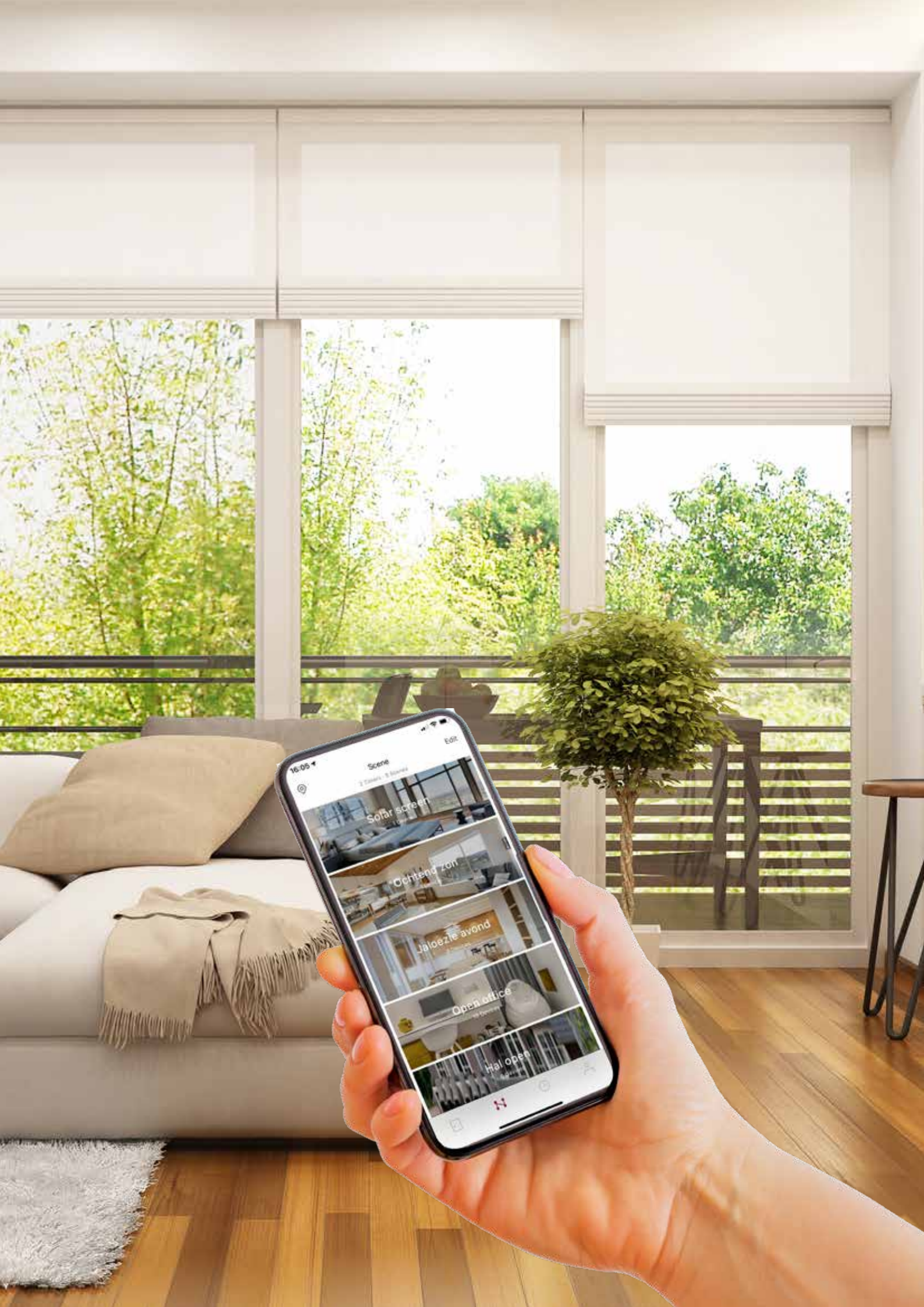


- Mechanic limit setting
- 230V AC

- Work plug on request

TECHNICAL SPECIFICATIONS

Order code	Torque (Nm)	Speed (rpm)	Diameter (mm)	Motor Length (mm)	Cable Length (cm)	Power (W)	Current (A)	Tension (V)	Water resistance	Price (€)
MS45-20	20	15	45	476	300	145	0.64	230	IP44	
MS45-40	40	15	45	540	300	198	0.86	230	IP44	



16:05

Scene

2 Devices, 1 Room

- Solar screen
- Ochtend zon
- Jaloezie avond
- Open office
- Hal open


HomeKit icons: Home, Siri, HomeKit, HomeKit

REMOTE CONTROLS

Home Box	100
Luxurious series	101
Standard series	104
Basic series	106
Other	107



HOME BOX

Product	Description	Order code	Price
	Home Box Mini USB WiFi hub Bi-directional	HUB-01	
	Home Box Duo WiFi hub RS485 voor mono- and Bi-directional	HUB-02	
	Home Box Ultra WiFi hub UTP/LAN & PoE Bi-directional	HUB-03	

LUXURIOUS WHITE

Product	Description	Order code	Price
	<p>Luxurious White 1 channel</p>	<p>THW3001</p>	
	<p>Luxurious White 15 channels</p>	<p>THW3015</p>	
	<p>Luxurious White 15 channels TDBU & TR</p>	<p>THW3115</p>	
	<p>Luxurious White 15 channels Curtaintrack</p>	<p>THW3215</p>	





LUXURIOUS WHITE

Product	Description	Order code	Price
	Luxurious White 1 channel Wall	TWW3001	
	Luxurious White 15 channels Wall	TWW3015	

LUXURIOUS BLACK

Product	Description	Order code	Price
	<p>Luxurious Black 1 channel</p>	<p>THB3001</p>	
	<p>Luxurious Black 15 channels</p>	<p>THB3015</p>	
	<p>Luxurious Black 15 channels TDBU & TR</p>	<p>THB3115</p>	

STANDARD WHITE

Product	Description	Order code	Price
	<p>Standard White 1 channel</p>	<p>THW2001</p>	
	<p>Standard White 15 channels</p>	<p>THW2015</p>	
	<p>Standard White 15 channels TDBU & TR</p>	<p>THW2115</p>	
	<p>Standard White 15 channels Curtaintrack</p>	<p>THW2215</p>	

STANDARD WHITE

Product	Description	Order code	Price
	<p>Standard White 1 channel Tilt & Lift</p>	<p>THW2501</p>	
	<p>Standard White 15 channels Tilt & Lift</p>	<p>THW2515</p>	
	<p>Standard White 1 channel Wall</p>	<p>TWW2001</p>	
	<p>Standard White 15 channels Wall</p>	<p>TWW2015</p>	



BASIC

Product	Description	Order code	Price
	<p>Basic White 1 channel</p>	<p>THW1001</p>	
	<p>Basic White 5 channels</p>	<p>THW1005</p>	
	<p>Basic Black Mini</p>	<p>TMB1001</p>	
	<p>Basic White Mini</p>	<p>TMW2001</p>	

OTHER

Product	Description	Order code	Price
	Signal amplifier USB 433.33 MHz	RB400	
	Sun and wind meter Wireless	RW230	
	While stocks last Sun and wind meter 230V	RW220	
	Dry contact remote for home automation Bi-directional	RW100	

OTHER

Product	Description	Order code	Price
 A white rectangular device with a vertical terminal block on the right side. The terminals are labeled with '24V+', '12V+', '30V+', 'SET', 'N', a triangle symbol, and 'STOP'. There are several green and black screws for the terminals.	Dry contact remote for home automation Bi-directional	RW330	
 A white, vertically oriented, rectangular sensor device with rounded ends. It has a small circular hole at the top and a small rectangular label at the bottom with the text 'BREL'.	Shock sensor Bi-directional	RW350	

CALCULATION TOOL

How to calculate

Formula used:

$$P \text{ (Nm)} = \text{Radius (mm)} \times G / 100 / (1-V) \text{ (G=Load in kg, Radius in mm diameter tube/ 2 en V =Safety factor)}$$

Formula:

$$\text{Torque (Nm)} = \text{Radius (mm)} \times G \text{ (kg)} / 100 / (1-V)$$

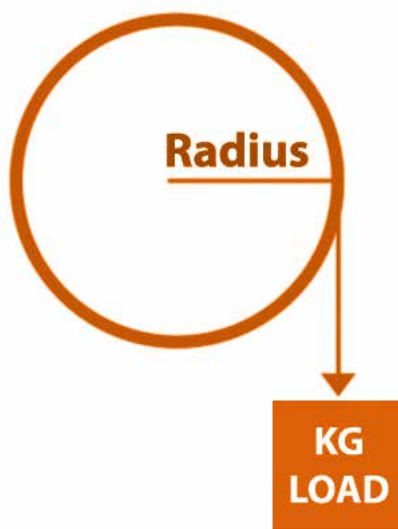
G = Load

V = safety factor = 30%

R= diameter tube

Torque (Nm)		0,3	0,5	0,6	0,8	1,1	1,5	2	3
Tube diameter (mm)	20	2,1	3,5	4,2	5,6				
	25	1,7	2,8	3,4	4,5				
	30	1,4	2,3	2,8	3,7	5,2	7,0		
	40		1,8	2,1	2,8	3,9	5,3	7,0	10
	50		1,4	1,7	2,3	3,1	4,2	5,6	8,4
	60					1,4	3,5	4,7	7,0
	70							4,0	6,0
	78								5,4
	85								
	100								
	100								
	120								

CALCULATION TOOL



6	10	13	20	30	40	60	80	120	300
21	35	45,5							
16,8	28	36,4							
14	23,3	30,3	46,7	70	93,3				
12	20	26	40	60	80				
10,8	18	23	35,9	53,8	71,8	107,7	143,6	215,4	
						98,8	131,8	197,6	
						84	112	168	420
							101,8	152,7	381,8
							93,3	140	350

TERMS AND CONDITIONS

Article 1 - Definitions

1. In these general terms and conditions, the following definitions are used in the following sense, unless explicitly stated otherwise:
2. Offer: Any written offer to the Purchaser for the delivery of Products by the Seller to which these terms and conditions are inseparably linked.
3. Company: The natural or legal entity/person who practices a profession or operates a business.
4. Purchaser: The Company that enters into an Agreement (remotely) with the Seller.
5. Agreement: The sales agreement (entered into remotely) for the sale and delivery of Products bought by the Purchaser from Brel Nederland.
6. Products: The Products offered by Brel Nederland are motors and components for indoor and outdoor sun shades and related products, which include remote controls.
7. Seller: The provider of the Products to the Purchaser, hereinafter referred to as: Brel Nederland.

Article 2 - Applicability

1. These general terms and conditions apply to every Offer made by Brel Nederland and every Agreement between Brel Nederland and a Purchaser, and to every Product offered by Brel Nederland.
2. Before an agreement is entered into (remotely), the Purchaser shall be furnished with these general terms and conditions. If this is not reasonably possible, Brel Nederland shall inform the Purchaser as to how the General Terms and Conditions can be consulted, which will in any event be published on the website of Brel Nederland, so that the Purchaser can conveniently save these General Terms and Conditions on a permanent data medium.
3. In exceptional situations, exceptions to these general terms and conditions may be made if this has been explicitly agreed in writing with Brel Nederland.
4. These general terms and conditions also apply to any supplementary, amended or follow-up agreements with the Purchaser. Any eventual general and/or purchasing conditions set by the Purchaser will be rejected out of hand.
5. If one or more provisions of these general terms and conditions should be wholly or partially voided or annulled, the other provisions of these general terms and conditions shall remain in force and the voided or nullified provision(s) shall be replaced by a provision that has the same purport as the original provision.
6. Any ambiguities regarding the content, explanation or situations that have not been covered in these general terms and conditions must be assessed and clarified in accordance with the spirit of these general terms and conditions.
7. If these general terms and conditions refer to she/he, this should also be understood as a reference to he/she/they, if and insofar as applicable.

Article 3 - The Offer

1. All Offers made by Brel Nederland are non-binding, unless expressly stated otherwise in writing. If the Offer is limited or valid under specific conditions, this shall be expressly stated in the Offer. An Offer shall only be deemed valid once it has been confirmed in writing.
2. Brel Nederland shall submit the Offer by way of a price list. Brel Nederland shall only be bound by the Offer if this is accepted by the Purchaser in writing within the period of validity of the price list, or if the Purchaser has already paid the amount due. Nevertheless, Brel Nederland reserves the right to reject an agreement with a potential Purchaser on the grounds of a justifiable reason for Brel Nederland.
3. The Offer contains an Batteryrate description of the Product on offer together with the corresponding prices. The description is described in such detail as to enable the Purchaser to make a proper assessment of the Offer. Any obvious mistakes or errors in the Offer are not binding to Brel Nederland. Any images and specific data in the Offer only constitute an indication and cannot be grounds for any compensation or the dissolution of the (remote) Agreement. Brel Nederland cannot guarantee that the colours in the images correspond exactly to the actual colours of the Product.
4. Delivery times and deadlines stated in the Offer by Brel Nederland are indicative only, and if exceeded shall not entitle the Purchaser to the dissolution of the Agreement or to compensation, unless

expressly agreed otherwise.

5. A combined quote does not obligate Brel Nederland to deliver part of the items included in the bid or Offer in exchange for part of the price quoted.

Article 4 - Conclusion of the Agreement

1. The agreement is concluded the moment the Purchaser has accepted an offer made by Brel Nederland by placing an order with Brel Nederland via email and Brel Nederland has confirmed this order.
2. An Offer can be made by Brel Nederland via a client-specific discount on the gross price list of Brel Nederland or via a client-specific net price.
3. If the terms of acceptance differ (on minor points) from the Offer, Brel Nederland is not bound by these terms.
4. Brel Nederland is not bound by an offer if the Purchaser might have in all reasonableness understood or ought to have understood that the offer clearly contains a mistake or an error in its wording. The Purchaser cannot claim any rights based on this mistake or error.
5. The right of withdrawal is not applicable to the Purchaser.
6. Products which cannot be returned (due to customisation and suchlike) are excluded from the right of withdrawal. This is explicitly stated in the Offer.
7. If the Offer from Brel Nederland is revised due to market circumstances, Brel Nederland has, in consultation, the right to revise or withdraw the Offer.

Article 5 - Execution of the Agreement

1. Brel Nederland will carry out the Agreement to the best of its professional judgement and ability.
2. If and insofar as required for the proper fulfilment of the agreement, Brel Nederland reserves the right to have specific work carried out by third parties at its own discretion.
3. The Purchaser will ensure that Brel Nederland is provided promptly with all the information that Brel Nederland has indicated is necessary, or that the Purchaser should understand within reason what is necessary for fulfilling the Agreement. If the information required for the fulfilment of the agreement is not provided to Brel Nederland in time, Brel Nederland reserves the right to suspend fulfilment of the agreement.
4. In fulfilling the agreement, Brel Nederland is under no obligation or liability to follow the instructions given by the Purchaser if this results in any change to the content or scope of the agreement. If the instructions lead to more work for Brel Nederland, the Purchaser is obligated to reimburse any additional or incidental incurred expenses accordingly.
5. Brel Nederland is entitled to request either a deposit or full payment in advance from the Purchaser before proceeding to fulfil the Agreement.
6. Brel Nederland shall not be held liable for any damage, irrespective of its nature, resulting from the fact that Brel Nederland acted on inBatteryrate and/or incomplete information provided by the Purchaser, unless Brel Nederland had been aware of this inBatteryracy or incompleteness.
7. The Purchaser shall indemnify Brel Nederland against any claims made by third parties who incur damage attributable to the Purchaser in connection with the fulfilment of the agreement.

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Article 6 - Delivery

1. If the commencement, progress or delivery of the agreement is delayed because, for instance, the Purchaser has failed to provide all requested information or has failed to do so on time, or has failed to cooperate sufficiently, or if the advance/payment has not been received on time by Brel Nederland, or if there is any delay as a result of other circumstances beyond Brel Nederland's control, Brel Nederland reserves the right to extend the delivery period by a reasonable amount of time. All delivery deadlines agreed upon do not constitute fixed deadlines. The Purchaser must notify Brel Nederland in writing of any default on their part and allow Brel Nederland a reasonable time frame in order to be able to quietly fulfil its obligations. The Purchaser is not eligible for any compensation as a result of the delay.
2. The Purchaser is obligated to take delivery of the goods at the time they are made available to them in accordance with the Agreement, and also if they are offered to them earlier or later than agreed.
3. If the Purchaser refuses to take delivery or fails to provide information or instructions necessary for the delivery, Brel Nederland reserves the right to store the goods at the Purchaser's expense and risk.
4. If the Products are delivered by Brel Nederland or an external haulier, Brel Nederland is entitled, unless otherwise agreed in writing, to charge for delivery costs. These costs will be invoiced separately, unless expressly agreed otherwise.
5. If Brel Nederland needs information from the Purchaser for the purpose of fulfilling the agreement, the delivery period shall not commence until the Purchaser has provided Brel Nederland with all the information required for fulfilment of the agreement.
6. Any delivery period specified by Brel Nederland is intended to be indicative only. Longer delivery periods apply to deliveries outside of the Netherlands.
7. Brel Nederland reserves the right to deliver the goods in part shipments, unless this has been agreed otherwise or the partial delivery is not considered to have any independent value. Therefore, Brel Nederland is entitled to submit a separate invoice for the goods delivered in this way.
8. Brel Nederland can stipulate that delivery will only take place if all invoices have been paid, if there are well-founded concerns about the risk of non-payment.

Article 7 - Packaging and transport

1. In respect of the Purchaser, Brel Nederland undertakes to package the goods to be delivered properly and to secure them in such a way that they will reach their destination in good condition under normal conditions of handling.
2. Unless otherwise agreed in writing, all deliveries are to include Value Added Tax (VAT), including packaging and packaging materials.
3. Acceptance of goods without any notes or comments on the consignment form or on the receipt shall be considered proof that the packaging was in good condition at the time of delivery.

Article 8 - Inspections, claims

1. The Purchaser is obligated to inspect (or arrange to have inspected) the Products delivered at the time of delivery, but in any event, within 7 days of receipt of the Products, and only to unpack or use these insofar as is strictly necessary in order to be able to assess whether it holds the Product. In doing so, the Purchaser should check whether the quality and quantity of the goods delivered is in accordance with the Agreement and the Products meet the requirements that apply to normal (business) transactions.
2. The Purchaser is under the obligation to check and inform themselves as to how the Product should be used, and in the case of personal use, to test the Product according to the instructions for use. Brel Nederland does not accept any liability for incorrect use of the Product by the Purchaser.
3. Any eventual noticeable defects or missing parts after delivery must be notified in writing to Brel Nederland at order@brel-home.com. The Purchaser has a period of 7 days after delivery to do this. Any non-visible defects or missing parts must be reported within 7 days of their detection, but no later than 6 months after delivery. If the Product is damaged as a result of careless handling by the

Purchaser, the Purchaser is personally liable for any depreciation in the value of the Product.

4. If a claim is submitted in time under the provisions of the previous paragraph, the Purchaser shall remain under obligation to pay for the purchased goods. If the Purchaser wishes to return defective goods, they must do so exclusively with the prior written permission of Brel Nederland, in the manner specified by Brel Nederland.
5. The direct costs of return shipments shall be borne by the Purchaser.
6. Brel Nederland reserves the right to launch an investigation into the authenticity and condition of the returned Products before a refund is made.
7. Refunds to the Purchaser will be processed as quickly as possible, but may take up to 30 days after receipt of the returned shipment. Refunds shall be made to the previously specified account number.
8. If the Seller exercises their right to make a claim, they will not be entitled to suspend their payment obligation or to offset outstanding invoices.
9. If delivery is not made in full, and/or if one or more Products are missing, and this is the fault of Brel Nederland, Brel Nederland will, at the Purchaser's request, send the missing Product(s) or cancel the remaining order. The confirmation of the receipt of the Products is a decisive factor in this. Any damage sustained by the Purchaser as a result of the (deviating) scope of the delivery cannot be recouped from Brel Nederland.

Article 9 - Prices

1. During the validity period of the price list, the prices of the Products on offer will not be raised, except in the event of major fluctuations in market prices, currency or transport. The Purchaser will be informed of this in good time.
2. The prices stated in the Offer are exclusive of VAT, unless explicitly stated otherwise.
3. The prices stated in the Offer are based on the cost factors applicable at the time the Agreement is concluded, such as: import and export duties, freight and unloading costs, insurance and any levies and taxes.
4. In the event that Products or raw materials are subject to price fluctuations on the financial market over which Brel Nederland has no influence, Brel Nederland reserves the right to offer these Products at variable prices. It will then be stated in the Offer that the prices are indicative prices and may be subject to change.

Article 10 - Payment and debt collection policy

1. Payment must be made subsequently in the currency of the invoice by the method indicated within the term of payment stated on the invoice.
2. The Purchaser cannot claim any rights or expectations on an estimate issued in advance, unless the parties have explicitly agreed otherwise.
3. The Purchaser must arrange for payment to be made in one instalment to the account number and details of Brel Nederland as indicated to them. The parties may only agree on different payment terms after receiving express written permission from Brel Nederland.
4. If a periodic payment obligation on the part of the Purchaser has been agreed to, Brel Nederland reserves the right to revise the applied prices and rates in writing, with due observance of a period of 3 months.
5. In the event of the winding-up, bankruptcy, seizure or suspension of payment by the Purchaser, the amounts receivable by Brel Nederland from the Purchaser are due immediately.
6. Brel Nederland has the right to first allocate payments made by the Purchaser to the deduction of costs, then to the deduction of interest owed, and finally to the deduction of the principal sum and the accrued interest. Brel Nederland may, without thereby falling into default, refuse an offer of payment if the Purchaser proposes a different sequence of allocation. Brel Nederland may refuse full payment of the principal sum, if the outstanding and accrued interest, together with the expenses, have also not been paid.
7. If the Purchaser fails to meet their payment obligations and has not made payment within the stipulated period of 30 days, the Purchaser will be in default.
8. From the date on which the Purchaser defaults, Brel Nederland

TERMS AND CONDITIONS

shall, without further notice, claim the statutory (commercial) interest from the first day of default until full payment and compensation for any out-of-court legal expenses in accordance with Article 6:96 of the Dutch Civil Code, to be calculated according to the sliding scale set out in the Decree on compensation for out-of-court debt collection costs dated 1 July 2012.

9. If Brel Nederland has incurred more or higher costs that are necessary within reason, such costs will be eligible for compensation. The Purchaser is also liable for any legal and execution expenses incurred.

Article 11 - Retention of title

1. All goods delivered by Brel Nederland shall remain the property of Brel Nederland until the Purchaser has fulfilled all of their obligations under all Agreements entered into with Brel Nederland.

2. The Purchaser is not entitled to pledge the goods that fall under the retention of title or to claim any other rights if ownership has not yet been transferred in full.

3. If third parties seize goods that have been delivered and are subject to retention of title, or wish to exercise or claim rights over these goods, the Purchaser is under the obligation to inform Brel Nederland of this as soon as can reasonably be expected.

4. In the event that Brel Nederland seeks to exercise its retention of title as set out in this article, the Purchaser hereby grants unconditional and irrevocable permission and authority to Brel Nederland or third parties appointed by Brel Nederland to access all sites and locations where Brel Nederland's property is located and to recover such items.

5. Brel Nederland is entitled to retain the Product(s) purchased by the Purchaser if the Purchaser has not yet (fully) complied with their payment obligations, irrespective of any obligation on the part of Brel Nederland to deliver or hand over the Products. After the Purchaser has fulfilled their obligations, Brel Nederland shall make every effort to deliver the purchased Products to the Purchaser as soon as possible, but within 20 working days at the latest.

6. Any expenses and other (consequential) damages as a result of holding onto the purchased Products shall be at the expense and risk of the Purchaser and shall be reimbursed by the Purchaser to Brel Nederland upon the first request.

Article 12 - Warranty

1. Brel Nederland guarantees that the Products comply with the Agreement, the specifications listed in the Offer, as well as their suitability and/or soundness and the applicable statutory rules/regulations at the time of the conclusion of the Agreement. This also applies if the goods to be delivered are intended for use abroad and the Purchaser has expressly notified the Seller of this use in writing at the time of entering into the Agreement.

2. The warranties on the Products supplied by Brel Nederland comprise:

A 5-year guarantee is issued for motors with or without an integrated battery. Related Products that, in the opinion of Brel Nederland, are susceptible to wear and tear, such as transmitters, receivers, controllers, rechargeable batteries and batteries, are covered by a 1-year warranty.

3. The warranty given by Brel Nederland can only be claimed if the Purchaser has fully met all of their payment obligations.

4. If the Purchaser is justified in making a claim under an agreed warranty, Brel Nederland shall be obliged to repair or replace the Products free of charge.

5. The warranty will become null and void as soon as the warranty period has expired, or the Purchaser themselves makes alterations to the Products or has them made.

Article 13 - Suspension and dissolution

1. Brel Nederland is entitled to suspend fulfilment of its obligations or to dissolve the Agreement if the Purchaser fails to fulfil their (payment) obligations under the Agreement or fails to do so in full.

2. Furthermore, Brel Nederland is within its rights to dissolve, without any legal intervention, the Agreement between Brel Nederland and the Purchaser, insofar as this Agreement has not yet been fulfilled, if the Purchaser does not fulfil, or does not fulfil on time or in a satisfactory manner, the obligations that fall on them pursuant to any Agreement entered into with Brel Nederland.

3. In addition to the above, Brel Nederland is within its rights to dissolve the Agreement (or have it dissolved) without prior notice of default if circumstances arise of such a nature that fulfilment of the Agreement becomes impossible or can no longer be required on the grounds of fairness and reasonableness, or if any other circumstances arise of such a nature that the nonamended continuation of the Agreement may not be expected in all reasonableness.

4. If the Agreement is dissolved, the amounts receivable by Brel Nederland from the Purchaser shall become immediately due and payable. If Brel Nederland suspends fulfilment of its obligations, it shall retain its rights under the law and the Agreement.

5. Brel Nederland reserves the right to claim compensation for damages at all times.

Article 14 - Limitation of liability

1. If the fulfilment of the agreement by Brel Nederland gives rise to liability on the part of Brel Nederland vis-à-vis the Purchaser or third parties, such liability shall be limited to the costs borne by Brel Nederland related to the Agreement, unless the damage is due to wilful misconduct or gross negligence. In all cases, the liability of Brel Nederland shall be limited to the maximum amount paid out by the insurance company per incident per year.

2. Brel Nederland shall not be held liable for any consequential damage, indirect damage, loss of profits and/or incurred losses, missed savings and damage as a result of the use of the supplied Products are hereby excluded.

3. Brel Nederland is not liable for and/or under any obligation to repair damage that is caused by the use of the Product. Brel Nederland provides strict maintenance and instructions for usage that must be followed up by the Purchaser. Any damages to Products resulting from carrying them around and using them are expressly excluded from any liability (defined as: damage due to use, dropping, light and water damage, theft, disappearance etc).

4. Brel Nederland will not be held liable for any damage which is or may be the result of any act or omission as a consequence of (incomplete and/or incorrect) information on the website(s) or on linked websites.

5. Brel Nederland is not responsible for any errors and/or discrepancies in the functionality of the website and is not liable for any disruptions or unavailability of the website for whatever reason.

6. Brel Nederland can neither vouch for the correct and complete transmission of the content of emails sent by/on behalf of Brel Nederland, nor for their timely receipt.

7. All claims from the Purchaser due to any failure on the part of Brel Nederland shall become null and void if not reported to Brel Nederland in writing, stating reasons, within one year after the Purchaser became aware or could reasonably have become aware of the facts on which it bases its claims. All claims on the part of the Purchaser shall in all cases be null and void one year following the termination of the Agreement.

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Article 15 - Force majeure

1. Brel Nederland shall not be held liable if it is unable to fulfil its obligations under the Agreement due to circumstances beyond its control (Force Majeure), nor can it be compelled to fulfil any obligation if it is prevented from doing so as a result of a circumstance that is not its fault and for which it cannot be held accountable under the law, a legal action or common practice.
2. Force majeure is understood to mean in all cases, but is not limited to, under the provisions of the law and jurisprudence, (i) circumstances beyond the control of suppliers to Brel Nederland, (ii) failure to properly fulfil obligations by suppliers that have been prescribed or recommended to Brel Nederland by the Purchaser, (iii) defectiveness of goods, equipment, software or materials from third parties, (iv) government measures, (v) electricity failures, (vi) disruption of the internet, data network and telecommunication facilities (e.g. as a result of cybercrime and hacking), (vii) natural disasters, (viii) war and terrorist attacks, (ix) general transport problems, (x) industrial action at the company of Brel Nederland and (xi) other situations which, in the judgement of Brel Nederland, are beyond its control and which temporarily or permanently prevent the fulfilment of its obligations.
3. Brel Nederland has the right to claim force majeure if the circumstance preventing (further) fulfilment of its obligations occurs after Brel Nederland should have fulfilled its obligation.
4. Parties may suspend their obligations under the Agreement during the time that the force majeure lasts. If this period lasts longer than two months, either party is entitled to dissolve the Agreement without any obligation to pay the other party compensation for damages.
5. Insofar as Brel Nederland has already partially fulfilled its obligations under the Agreement at the time when circumstances beyond its control arise, or will be able to fulfil them, and that part which has been or will be fulfilled has an independent value, Brel Nederland is entitled to separately invoice the part already fulfilled, or which will be fulfilled. The Purchaser is obliged to pay this invoice as if it were a separate Agreement.

Article 16 - Transfer of risk

The risk of loss of or damage to the Products that are covered by the Agreement shall pass to the Purchaser from the moment the goods leave the warehouse of Brel Nederland.

Article 17 - Intellectual Property Rights

1. All intellectual property rights and copyrights of Brel Nederland are held exclusively by Brel Nederland and are not transferable to the Purchaser.
2. The Purchaser is prohibited from disclosing and/or reproducing, altering or making available to third parties any items covered by the intellectual property rights and copyrights of Brel Nederland without the express prior written consent of Brel Nederland. If the Purchaser wishes to make any changes to goods delivered by Brel Nederland, Brel Nederland must give its express consent to the proposed changes.
3. The Purchaser is not permitted to use the Products covered by the intellectual property rights of Brel Nederland in any way other than as agreed upon in the Agreement.
4. Any infringement by the Purchaser of the IP rights of Brel Nederland shall be penalised by a one-off fine to the sum of €10,000 and a fine of €500 for each day that the infringement continues. This penalty clause does not affect the right of Brel Nederland to claim damages.

Article 18 - Privacy, data processing and security

1. Brel Nederland will treat the (personal) data of the Purchaser and visitors to the website(s) with the utmost care. Consequently, if requested, Brel Nederland will inform the party concerned about what this entails.
2. If, on the grounds of the Agreement, Brel Nederland is required to provide security for any information, said security must comply with the agreed specifications and must be of a security level that is not unreasonable in view of the state of the technology, the sensitivity of the data and the costs involved.

Article 19 - Complaints

1. If the Purchaser is not satisfied with the Products supplied by Brel Nederland and/or has complaints about the (execution of the) Agreement, the Purchaser is under the obligation to report these complaints as soon as possible, but no later than within 14 working days of the relevant incident leading to the complaint. Complaints can be submitted to order@brel-home.com under the subject "Complaint."
2. The complaint must be adequately substantiated and/or accompanied by an explanation on the part of the Purchaser in order for Brel Nederland to be able to handle the complaint.
3. Brel Nederland will respond to the complaint as soon as possible, but no later than 14 calendar days after receiving it.
4. The parties shall attempt to reach a solution together.

Article 22 - Applicable law

1. All agreements between Brel Nederland and the Purchaser are governed by Dutch law. Applicability of the Vienna Sales Convention (CISG) is expressly excluded.
2. The Dutch text of these general terms and conditions shall prevail over any interpretation of their content and scope. Brel Nederland reserves the right to unilaterally amend these general terms and conditions.
3. All disputes arising from or as a result of the Agreement between Brel Nederland and the Purchaser will be settled by the competent court in Gelderland, location Zutphen, unless provisions of mandatory law result in the jurisdiction of another court.

Doetinchem, January 22, 2021



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