

Product Catalogue

Explore Our Product Range

EDITION
2026

Subject to continuous updates.
Errors and omissions excepted.
Subject to change without notice.

BREL Vestamatic GROUP



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BREL Vestamatic GROUP



Motor	Voltage (V)	Torque (Nm)	Speed (rpm)	Diameter (mm)	Length (mm)	Cable (m)	Power (W)	Current (A)	Protection Rating	Page
Solaris | Solar Motors | Outdoor Shading										
BCE35-06/SET	12	6	24	35	503	0,15	35	3	IP44	10
BLE35-13	12	13	11	35	680	0,15	38	3,23	IP44	11
BLEM35-13	12	13	11	35	670	0,15	38	3,23	IP44	12
BLE45-20	12	20	10	45	660	0,15	50	4,1	IP44	13
BLEM45-20	12	20	10	45	742	0,15	50	4,1	IP44	14
BLE45-40	12	50	10	45	742	0,1	50	4,1	IP44	15
BLE45-50	12	50	5	45	742	0,1	50	4,1	IP44	16
Solaris | Accessories										
TL45-24V	230	-	-	45	610	3	160	6,67	-	20
TLL45	12	-	-	45	670	1	24	0,5	-	21
Lio | Battery Motors | Indoor Shading										
BLE15-0.3	5	0,3	30	15	373	-	5	0,6	IP20	26
BLE15-0.3-USB-C	5	0,3	30	15	373	-	5	0,6	IP20	27
BLEM20-0.5	5	0,5	28	20	475	-	8	2	IP20	28
BLEM25-1.1	5	1,1	28	25	527	-	10	1,1	IP20	29
BLEQ28-02 USB-C	12	2	28	28	673	-	13	1,3	IP20	30
BLEMQ35-06 USB-C	12	6	24	35	677	0,15	38	3,23	IP44	31
BLEMQ35-13 USB-C	12	13	13	35	677	0,15	38	3,23	IP44	32
Nino | 230 V Motors | Indoor Shading										
BPE25-1.5	110-240	1,5	32	25	440	5	13	0,15	IP20	36
BEMQ35-06	230	6	28	35	580	5	133	0,57	IP44	37
Triton | Outdoor Shading										
BEMQ35-10	230	10	17	35	580	5	144	0,63	IP20	40
BR35-13	230	13	14	35	596	5	121	0,53	IP44	41
BEK45-10	230	10	15	45	400	3	113	0,48	IP44	42
BREM45-20	230	20	15	45	610	5	161	0,69	IP44	43
BR45-20	230	20	15	45	612	5	145	0,64	IP44	44
BKEM45-40	230	50	12	45	660	5	188	0,86	IP44	45
Ezio | Standard Motors | Indoor and Outdoor Shading										
MDS25-0,7	24	0,7	28	25	320	2	8	0,3	IP44	48
MS25-1.5/32	230	1,5	32	25	445	2	13	0,15	IP44	49
MS35-10	230	10	17	35	473	3	121	0,53	IP44	50
MPS35-06	230	6	28	35	595	3	124	0,54	IP44	51
MPS35-10	230	10	17	35	595	3	124	0,54	IP44	51
MBQ35-06	230	6	36	35	515	3	121	0,53	IP44	52
MBQ35-10	230	10	17	35	515	3	144	0,62	IP44	53
MPS45-20	230	20	26	45	595	3	124	0,54	IP44	54
MS45-20	230	20	15	45	473	3	145	0,64	IP44	55
MS45-40	230	40	15	45	543	3	198	0,86	IP44	56
MS55-60	230	60	12	55	586	3	320	0,53	IP44	57
MS55-80	230	80	12	55	586	3	385	1,39	IP44	58
MS55-120	230	120	7	55	605	3	393	1,68	IP44	59
MSW35-10/D/SC I	230	10	17	35	473	0,3	121	0,53	IP44	60
MSW35-10/D/SC II	230	10	17	35	473	0,3	121	0,53	IP44	61
MSW35-10/F/SC	230	10	17	35	473	0,3	121	0,53	IP44	62
MSW35-10/S/SC	230	10	17	35	473	0,3	121	0,53	IP44	63
MSW45-20/D/SC I	230	20	15	45	473	0,3	145	0,64	IP44	64
MSW45-20/D/SC II	230	20	15	45	473	0,3	145	0,64	IP44	65
MSW45-20/F/SC	230	20	15	45	473	0,3	145	0,64	IP44	66
MSW45-20/S/SC	230	20	15	45	473	0,3	145	0,64	IP44	67
MH92-300	230	300	9	92	551	3	940	4,08	IP44	68

Motor	Voltage (V)	Torque (Nm)	Speed (rpm)	Diameter (mm)	Length (mm)	Cable (m)	Power (W)	Current (A)	Protection Rating	Page
Juno | Headrail Motors | Indoor Shading										
BJE24TD-2x0.6	12	2 x 0,6	34	24	320	0,3	8	0,63	IP20	70
BJE24TR-2x0.6	12	2 x 0,6	34	24	320	0,3	8	0,63	IP20	71
BJEM24S-0.6	12	0,6	34	24	147	0,3	6,4	0,56	IP20	72
BJEM24SQ-0.6	12	0,6	34	24	147	0,3	6,4	0,56	IP20	73
BJEM24D-0.8	12	0,8	34	24	210	0,3	10	0,83	IP20	74
BJEM24DQ-0.8	12	0,8	34	24	210	0,3	10	0,83	IP20	75
BJE45D-2x3/24	12	2 x 3	24	45	333	0,15	41	3,4	IP20	76
BTE50W	8,4	0,6	10	31	91	-	5	0,54	IP20	77
BTE50B	8,4	0,6	10	31	91	-	5	0,54	IP20	77
BJE55DE-2x4,5Nm	230	2x4,5	26	55	330	0,3	139	0,61	IP54	78
BJE55DM-2x4,5Nm	230	2x4,5	26	55	330	1	152	0,67	IP54	79
BJE55DS-2x4,5Nm	12	2x4,5	15	55	330	1	68	5,6	IP54	80
Vesta | Project Motors | Indoor Shading										
BJE24DD-0.8	12	0,8	34	24	210	0,3	10	0,83	IP20	84
BEQ35DD-10	230	10	17	35	585	5	155	0,67	IP20	85
BPE25DD-1.5	110-240	1,5	32	25	487	5	13	0,15	IP20	86
BPEQ28DD-02	110-240	2	28	28	670	5	18	1	IP20	87
Luna | Curtain Track Motors | Indoor Shading										
MGS-45	230	0,8	23	70	215	5	45	0,23	IP20	90
BG-45	230	0,8	20	70	215	5	45	0,2	IP20	91
BG-980	110-240	1,2	20	55	250	5	45	0,23	IP20	92
BGLE-980	18	1,2	20	55	415	x	16	1,8	IP20	93
Penta | Indoor and Outdoor Shading | BREL SMART BUILDING										
PLE45-20	12	20	10	45	660	1,7	50	4,10	IP20	96
PAE45-20	230	20	10	45	660	0,6	50	4,10	IP20	97
SMI | Digital Motors | Indoor and Outdoor Shading										
01010050 | LL-SMI-24/0,9Nm VB	24	0,9	30	24	98,70	-	12	0,5	IP20	100
01010030 | LL-SMI-24/0,9Nm VPB	24	0,9	15	24	98,70	-	12	0,5	IP20	101
01010202 | LL-SMI-24-24/0,9Nm RB	24	0,9	30	24	177	-	12	0,5	IP20	102
01010206 | LL-SMI-24-24/0,9Nm RBQ	24	0,9	15	24	177	-	12	0,5	IP20	103
01067000 | VL-SMI-WISO-230-35Q/6Nm	230	6	24	35	685	5	161	0,7	IP20	108
01067100 | VL-SMI-WISO-230-35Q/10Nm	230	10	17	35	685	5	156	0,68	IP20	109
ME | Mechanical Motors | Indoor Shading										
01010020 | LL-ME-24/0,9Nm VB	24	0,9	30	24	93,7	-	12	0,5	IP20	112
01010200 | LL-ME-24-24/0,9Nm RB	24	0,9	30	24	177	-	126	0,5	IP20	113

Remote Controls	Width (mm)	Height (mm)	Length (mm)	Battery Type	Frequency	Transmission Power	Range	Page
Luxurious Remote Controls								
THB3001	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	122
THB3015	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	122
THW3001	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	123
THW3015	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	123
TWW3001	90	90	17	3V (CR2430)	433,925 MHz	10 mW	20 - 100 meter	124
TWW3015	86	86	14,5	3V (CR2430)	433,925 MHz	10 mW	20 - 100 meter	124
Standard Remote Controls								
THW2001	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	125
THW2015	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	125
TWW2001	80	80	14,5	3V (CR2430)	433,925 MHz	10 mW	20 - 100 meter	126
TWW2015	80	80	14,5	3V (CR2430)	433,925 MHz	10 mW	20 - 100 meter	126
THW2415	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	127
THW2701	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	127
Basic Remote Controls								
THW1001	120	40	13	3V (CR2430)	433,925 MHz	10 mW	20 - 100 meter	128
THW1005	120	40	13	3V (CR2430)	433,925 MHz	10 mW	20 - 100 meter	128
TMB1001	53	30	15	3V (CR2032)	433,925 MHz	10 mW	20 - 100 meter	129
TMW2001	53	30	15	3V (CR2032)	433,925 MHz	10 mW	20 - 100 meter	129
TDBU/TR Remote Controls								
THW3115	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	130
THB3115	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	130
THW2115	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	131
FCurtain Remote Controls								
THW3215	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	132
THW2215	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	132
Tilt & Lift Remote Controls								
THW2501	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	133
THW2515	130	44,5	11	3V (CR2450)	433,925 MHz	10 mW	20 - 100 meter	133

Automation	Operating Voltage (VAC, Hz)	Rated Impulse Voltage (kv)	Power (W)	Protection Rating	Battery	Page
WISO Controls						
01816400 | WISO Quattro	230VAC, 50 Hz	2,5	2	IP30	3v (CR 2032)	134
01817100 | WISO Time	230VAC, 50 Hz	2,5	2	IP40	3v (CR 2032)	134
01093310 | UNI 22	230VAC, 50 Hz	2,5	6	IP30	3v (CR 2032)	135
01093510 | UNI 12	230VAC, 50 Hz	2,5	6	IP30	3v (CR 2032)	135
01080212 | Touch Centre XL 4C Wired	230VAC, 50 Hz	2,5	10	IP20	3v (CR 2032)	136
Time Controls						
01824005 | Vesta Home Funktimer	230VAC, 50 Hz	-	500	IP40	-	137
01813330 | Time Control	230VAC, 50 Hz	2,5	2	IP40	3v (CR 2032)	137
01813400 | Quattro	230VAC, 50 Hz	2,5	2	IP30	3v (CR 2032)	138
01813200 | Quattro ZE	230VAC, 50 Hz	2,5	2	IP30	3v (CR 2032)	138

Automation	Operating Voltage (VAC, Hz)	Rated Impulse Voltage (kv)	Power (W)	Protection Rating	Battery	Page
Motor Controllers						
01092130 | IF SMI Modbus MS / TP	230VAC	2,5	2	IP20	-	139
01077525 | MC P4 Modbus MS / TP Complete	230VAC, 50 Hz	2,5	2,6	IP54	-	139
01077010 | MC P2	230VAC, 50 Hz	2,5	1,8	IP40	-	140
01077116 | MC P1 FMT	230VAC, 50 Hz	2,5	< 0,5	IP20	-	140
01040523 | MC R4	230VAC, 50 Hz	2,5	1,8	IP54	-	141
DC209	230VAC, 50 Hz			IP20	-	141
01054520 | MC TR 2S/MR	230VAC, 50 Hz	2,5	< 1	IP20	-	142
01054230 | MC TR 2S FMT	230VAC, 50 Hz	2,5	< 1	IP20	-	142
01054220 | MC TR 2S	230VAC, 50 Hz	2,5	< 1	IP54	-	143
01054120 | MC TR 2A	230VAC, 50 Hz	2,5	< 1	IP54	-	143
01054720 | MC TR 1 PF	230VAC, 50 Hz	2,5	< 1	IP54	-	144
01054820 | MC TR +/-	230VAC, 50 Hz	2,5	< 1	IP54	-	144

Home Box	Width (mm)	Height (mm)	Length (mm)	Connection	Frequency	Internet	Page
HUB-04	75	31	75	USB-C	433.92 MHz	2.4 Ghz Wifi	148

Smart Drives for Every Application

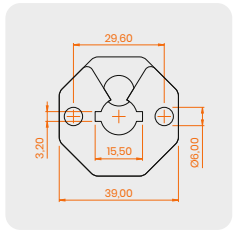
BREL Vestamatic GROUP

BCE35-06/SET

Electronic tubular motor with radio control, 12 VDC35 series | 6 Nm | 24 rpm | with DIN connector | external battery

- Extra-short electronic radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Especially suitable for compact solutions
- Internal rechargeable Li-ion battery (5100 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BCE35-06	12 V	6 Nm	24 rpm	35 mm	503 mm	0,15 m	35W	3 A

Suitable Applications

- Sun shading
- Roller shutters



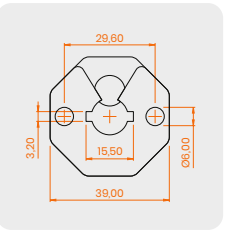
Solaris Motors
Solar Motors with Plug |
Outdoor Shading

BLE35-13

Electronic tubular motor with rechargeable battery and radio control, 12 VDC | 35 series | 13 Nm | 11 rpm | with DIN connector

- Electronic radio motor
- Electronic upper and lower limit adjustment and intermediate position
- No additional wiring required
- Internal rechargeable Li-ion battery (3200 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLE35-13	12 V	13 Nm	11 rpm	35 mm	680 mm	0,15 m	38W	3,23 A

Suitable Applications

- Sun shading
- Roller shutters



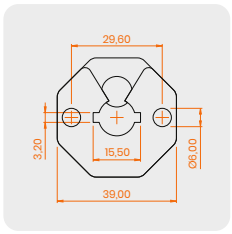
BLEM35-13

Electronic tubular motor with rechargeable battery and Matter radio control, 12 VDC | 35 series | 13 Nm | 11 rpm

- Matter-compatible electronic radio motor
- Electronic upper and lower limit adjustment and intermediate position
- No additional wiring required
- Internal rechargeable Li-ion battery (3200 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEM35-13	12 V	13 Nm	11 rpm	35 mm	670 mm	-	38W	3,23 A

Suitable Applications

- Sun shading
- Roller shutters

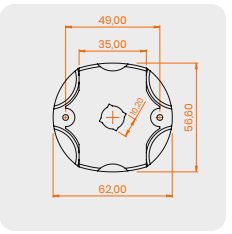
Solaris Motors
Solar Motors with Plug |
Outdoor Shading

BLE45-20

Electronic tubular motor with rechargeable battery and radio control, 12 VDC | 45 series | 20 Nm | 10 rpm | with DIN connector

- Electronic battery-powered radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Frequently used for textile shading systems and roller shutters in combination with a solar panel
- Internal rechargeable Li-ion battery (4400 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLE45-20	12 V	20 Nm	10 rpm	45 mm	660 mm	0,15 m	50W	4,1 A

Suitable Applications

- Sun shading
- Roller shutters

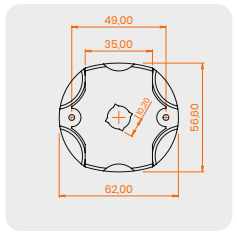
BLEM45-20

Electronic tubular motor with rechargeable battery and Matter radio control, 12 VDC | 45 series | 20 Nm | 10 rpm | with DIN connector

- Matter-compatible electronic battery-powered radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Frequently used for screens and roller shutters in combination with a solar panel
- Internal rechargeable Li-ion battery (4400 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEM45-20	12 V	20 Nm	10 rpm	45 mm	742 mm	0,15 m	50W	4,1 A

Suitable Applications

- Sun shading
- Roller shutters

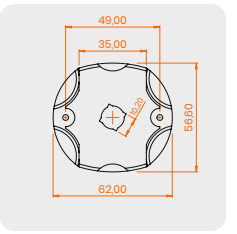
Solaris Motors
Solar Motors with Plug |
Outdoor Shading

BLE45-40

Electronic tubular motor with rechargeable battery and radio control, 12 VDC | 45 series | 50 Nm | 10 rpm | with DIN connector

- Electronic battery-powered radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Frequently used for articulated arm awnings in combination with a solar panel
- Internal rechargeable Li-ion battery (4400 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLE45-40	12 V	50 Nm	10 rpm	45 mm	742 mm	0,1 m	50W	4,1 A

Suitable Applications

- Sun shading
- Roller shutters
- Articulated Arm Awnings

Solaris Motors

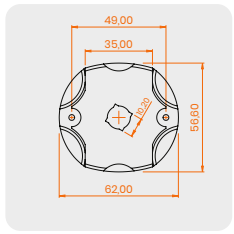
Solar Motors with Plug | Outdoor Shading

BLE45-50

Electronic tubular motor with rechargeable battery and radio control, 12 VDC | 45 series | 50 Nm | 5 rpm | with DIN connector

- Electronic battery-powered radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Frequently used for articulated arm awnings in combination with a solar panel
- Internal rechargeable Li-ion battery (4400 mAh) with DIN connector
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLE45-50	12 V	50 Nm	5 rpm	45 mm	742 mm	0,1 m	50W	4,1 A

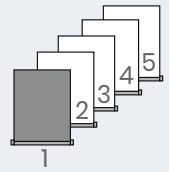
Suitable Applications

- Articulated Arm Awnings

Notes

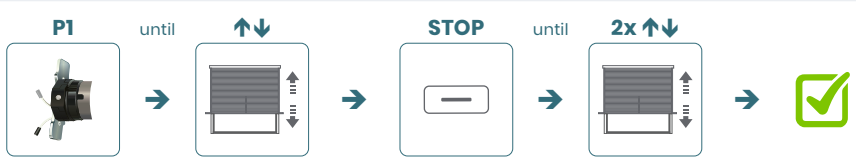
Programming the First Remote Control / First Channel

- The remote control transmits on up to 15 channels and thus control several motors. Select the desired channel using the corresponding channel on the respective remote control. Select a free channel on the remote control before pairing a motor.
- The connection is established via channel 0. All motors that are not yet programmed are located on channel 0.
- If you are pairing more than one motor, you must select a free channel on the remote control after the first motor has been paired.
- → **Select the desired channel.**



Step 1 Establishing the Connection

- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, each button must be pressed briefly. Holding a button down for too long will interrupt the process.
- The motor confirms each completed step with an up-and-down movement.
- If a procedure does not work as planned, wait 20 seconds and start again.



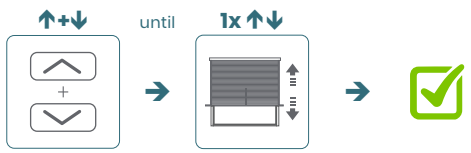
Hold down the P1 button until the motor moves up and down.

Hold down the STOP button until the motor moves up and down twice.

If no limit positions have been set, the motor moves in jog mode. Continue to Step 3. If limit positions have already been set, check them. If the end positions are correct, programming is complete. If the end positions are not correct, go to "Settings" and then to A.

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no limit positions have been set.



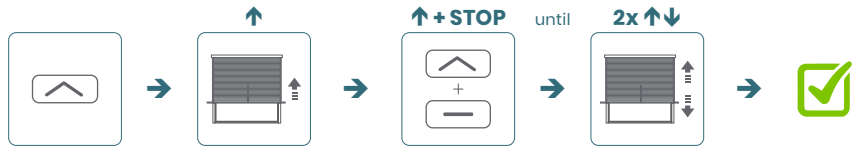
Press the UP and DOWN buttons simultaneously until the motor moves up and down.

If there is no response, check whether the remote control is paired.

Step 3 Setting the Limit Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press the UP or DOWN button for 3 seconds (press STOP in time).

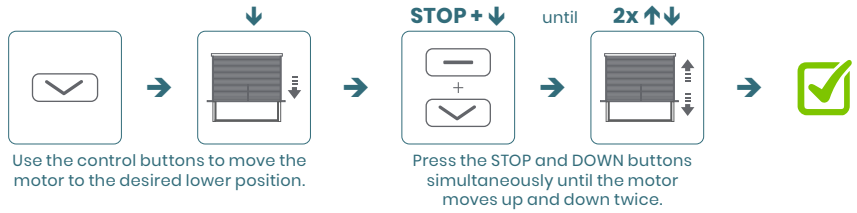
Setting the Desired Upper Position



Use the control buttons to move the motor to the desired upper position.

Press the UP and STOP buttons simultaneously until the motor moves up and down twice.

2 Setting the Desired Lower Position

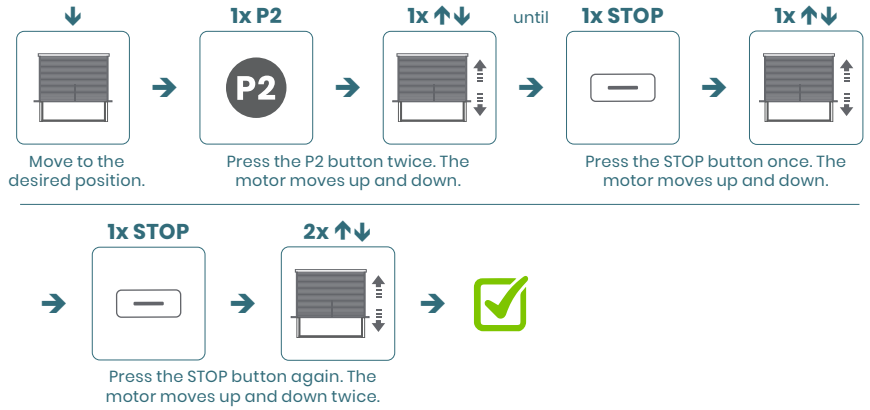


Use the control buttons to move the motor to the desired lower position.

Press the STOP and DOWN buttons simultaneously until the motor moves up and down twice.

The motor is now ready for use.

Step 4 Setting the Favourite Position (optional)



Move to the desired position.

Press the P2 button twice. The motor moves up and down.

Press the STOP button once. The motor moves up and down.

Press the STOP button again. The motor moves up and down twice.

- **Press and hold the STOP button for 3 seconds to move to the favourite position.**
- **Repeat this procedure to delete the favourite position.**

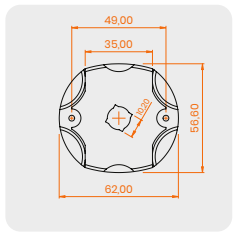
Solaris Accessories
LED Modules in the Motor Housing

TL45-24V

Module for LED lighting | 230 VAC input | 24 VDC output | integrated into the motor housing

- Standard bidirectional 230 V radio module
- Frequently used for articulated arm awnings
- Integrated radio receiver
- Specially developed for LED lighting





Specifications

Order Code	Netz-Voltage	Output Voltage	Diameter	Length	Cable	Power	Current
TL45-24V	230 V	24 V	45 mm	610 mm	Input 3 m Output 0,18m	160W	6,67 A

Suitable Applications

- LED lighting for articulated arm awnings

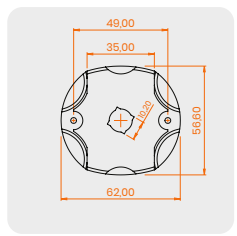
Solaris Accessories
LED Modules in the Motor Housing

TLL45

Module for 12 V LED lighting, with rechargeable battery | solar-powered | integrated into the motor housing

- Electronic radio module
- Frequently used for articulated arm awnings
- Integrated radio receiver
- Specially developed for LED lighting
- With integrated rechargeable battery (108 Wh / 10 Ah), rechargeable via DC212 or DC213
- Cable input with 4 small DIN connectors for different applications (solar panels and/or charger)
- 12 V cable output with loose wires





Specifications

Order Code	Voltage	Diameter	Length	Cable	Power	Current
TLL45	12 V	45 mm	670 mm	Input 1 m Output 0,18m	24W	0,5 A

Suitable Applications

- LED lighting for articulated arm awnings

Solar Panels
For Solar Motors | Outdoor Shading

NC-1290
Solar panel with housing | 5 W



Order Code	Dimensions	Housing
NC-1290	554 x 60 x 10 mm	Schwarz

NC-1291
Solar panel without housing | 5 W



Order Code	Dimensions	Housing
NC-1291	530 x 56 x 3 mm	Schwarz

NC-1292
Small solar panel with housing | 3 W



Order Code	Dimensions	Housing
NC-1292	327 x 60 x 10 mm	Schwarz

Solar Panels
For Solar Motors | Outdoor Shading

NC-1295
Large solar panel with housing | 10 W



Order Code	Dimensions	Housing
NC-1295	1085 x 60 x 10 mm	Schwarz

NC-2090
White solar panel with housing | 4.4 W



Order Code	Dimensions	Housing
NC-2090	780 x 60 x 10 mm	Weiß

NC-3090
Glass solar panel | 5 W



Order Code	Dimensions	Housing
NC-3090	750 x 40 x 13 mm	Glas

Solar Panels
For Solar Motors | Indoor Shading

NC-4090
Solar panel with USB-C | Without housing | With suction cups | 3.3 W



Order Code	Dimensions	Housing
NC-4090	570 x 30 x 2,5 mm	Without

NC-4190
Solar panel with DIN connector | Without housing | With suction cups | 3.3 W



Order Code	Dimensions	Housing
NC-4190	570 x 30 x 2,5 mm	Without

Solar Adapter Sets



VAS35-HE-95



VAS45-HE-95



VAS45-AVZ-95

In addition to the standard adapter plates, special solar adapter plates are available for various systems. These adapter plates ensure that the cable and antennas of the solar motor remain inside the housing. This keeps the installation clean, prevents short circuits and ensures reliable motor communication.
The solar adapter plates are available for Verano, AVZ, Rainbow and Heroal systems, among others. We can also manufacture a suitable solar adapter plate for other systems upon request.

VAS45-AVZ-95R	Solar 45 Adapter Plate Cable AVZ Headbox 95
VAS45-AVZ-95L	SSolar 45 Adapter Plate Cable AVZ Headbox 95
VAS45-HE-95	Solar 45 Adapter Plate Cable Heroal Headbox 95
VAS35-HE-95	Solar 35 Adapter Plate Cable Heroal Headbox 95
VAS35-HE-95S	Solar 35 Adapter Plate Cable Heroal Headbox 95
VAS35-AVZ-95	Solar 35 Adapter Plate Cable AVZ Headbox 95
VAS45-HE-125	Solar 45 Adapter Plate Cable HeroalHeadbox
VAS45-HE-105	Solar 45 Adapter Plate Cable Heroal Headbox
VAS45-AVZ-85L	Solar 45 Adapter Plate Cable AVZ Headbox 85
VAS35-HE-105	Solar 35 Adapter Plate Cable Heroal Headbox
VAS35-AVZ-105	Solar 35 Adapter Plate Cable AVZ Headbox 105

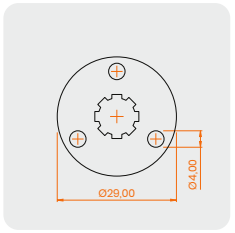
Lio Motors
With Plug | Indoor Shading

BLE15-0.3

Electronic tubular motor with rechargeable battery and radio control, 5 VDC | 15 series | 0.3 Nm | 30 rpm | Micro-USB connection

- Electronic radio motor with electronic upper and lower limit adjustment and intermediate position
- Integrated rechargeable Li-ion battery (800 mAh) and Micro-USB connection
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLE15-0.3	5 V	0,3 Nm	30 rpm	15 mm	373 mm	-	5W	0,6 A

Suitable Applications

- Insect screens
- Roller blinds

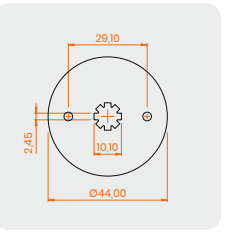
Lio Motors
With Plug | Indoor Shading

BLE15-0.3-USB-C

Electronic tubular motor with rechargeable battery and radio control, 5 VDC | 15 series | 0.3 Nm | 30 rpm | USB-C connection

- Electronic upper and lower limit adjustment and programmable intermediate position
- Integrated Li-ion battery (800 mAh) and USB-C connection
- Rechargeable
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLE15-0.3-USB-C	5 V	0,3 Nm	30 rpm	15 mm	373 mm	-	5W	0,6 A

Suitable Applications

- Insect screens
- Roller blinds

Lio Motors
With Plug | Indoor Shading

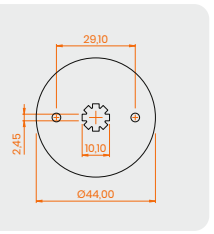
BLEM20-0.5

Electronic tubular motor with rechargeable battery and Matter radio control, 5 VDC | 20 series | 0.5 Nm | 28 rpm | USB-C

- Matter-compatible electronic bidirectional battery-powered radio motor with integrated radio receiver
- Electronic upper and lower limit adjustment and programmable intermediate position
- Suitable for roller blinds and other applications without a wired connection
- Integrated rechargeable Li-ion battery (2000 mAh) with USB-C (magnetic connector)
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEM20-0.5	5 V	0,5 Nm	28 rpm	20 mm	475 mm	-	8W	2 A

Suitable Applications

- Roller blinds

Lio Motors
With Plug | Indoor Shading

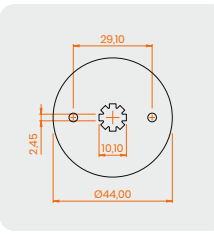
BLEM25-1.1

Electronic tubular motor with rechargeable battery and Matter radio control, 5 VDC | 25 series | 1.1 Nm | 28 rpm | USB-C

- Matter-compatible electronic bidirectional battery-powered radio motor with integrated radio receiver
- Electronic upper and lower limit adjustment and programmable intermediate position
- Suitable for roller blinds and other applications without a wired connection
- Integrated rechargeable Li-ion battery (2000 mAh) with USB-C (magnetic connector)
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEM25-1.1	5 V	1.1Nm	28 rpm	25mm	527mm	-	8W	1,1 A

Suitable Applications

- Roller blinds

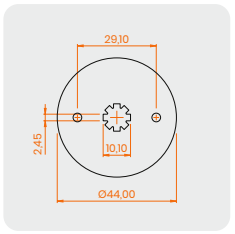
Lio Motors
With Plug | Indoor Shading

BLEQ28-02 USB-C

Electronic tubular motor with radio control, 12 VDC
28 series | 2 Nm | 28 rpm | USB-C connection | extra quiet

- Electronic radio motor with electronic upper and lower limit adjustment and intermediate position
- Frequently used for large roller blinds without a wired connection
- Integrated rechargeable Li-ion battery (2800 mAh) with USB-C (magnetic connector)
- Integrated radio receiver
- Low energy consumption
- Adjustable speed
- Bidirectional
- Extra quiet





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEQ28-2	12 V	2 Nm	28 rpm	28 mm	673 mm	-	13W	1,3 A

Suitable Applications

- Roller blinds

Lio Motors
With Plug | Indoor Shading

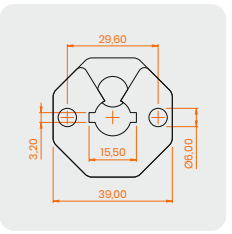
BLEMQ35-06 USB-C

Electronic tubular motor with rechargeable battery and Matter radio control, 5 VDC | 35 series | 6 Nm | 24 rpm | USB-C connection | extra quiet

- Matter-compatible electronic radio motor with electronic upper and lower limit adjustment and programmable intermediate position
- Completely wireless – no additional wiring required
- Integrated rechargeable Li-ion battery (3200 mAh) with USB-C (magnetic connector)
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEMQ35-6	12 V	6 Nm	24 rpm	35 mm	677 mm	150mm USB-C	38 W	3,23 A

Suitable Applications

- Roller shutters
- Roller blinds

Lio Motors
With Plug | Indoor Shading

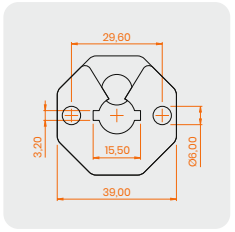
BLEMQ35-13 USB-C

Electronic tubular motor with rechargeable battery and Matter radio control, 5 VDC | 35 series | 6 Nm | 24 rpm | USB-C connection | extra quiet

- Matter-compatible electronic radio motor with electronic upper and lower limit adjustment and programmable intermediate position
- Completely wireless – no additional wiring required
- Integrated rechargeable Li-ion battery (3200 mAh) with USB-C (magnetic connector)
- Integrated radio receiver
- Automatic shut-off
- Low energy consumption
- Adjustable speed

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BLEMQ35-13	12 V	13 Nm	13 rpm	35 mm	677 mm	150mm USB-C	38 W	3,23 A

Suitable Applications

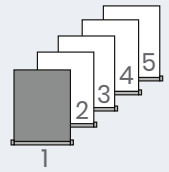
- Roller shutters
- Roller blinds
- Venetian Blinds



Notes

Programming the First Remote Control / First Channel

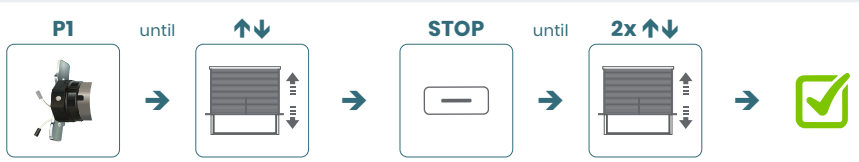
- The remote control can transmit on up to 15 channels and thus control several motors. Select the desired channel using the corresponding channel on the respective remote control. Select a free channel on the remote control before pairing a motor.
- The connection is established via channel 0. All motors that are not yet programmed are located on channel 0.
- If you are pairing more than one motor, you must select a free channel on the remote control after the first motor has been paired.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, each button must be pressed briefly. Holding a button down for too long will interrupt the process.
- The motor confirms each completed step with an up-and-down movement.
- If a procedure does not work as planned, wait 20 seconds and start again.



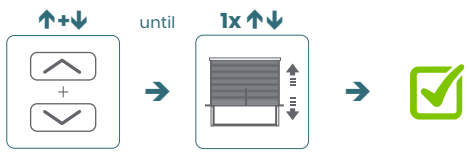
Hold down the P1 button until the motor moves up and down.

Hold down the STOP button until the motor moves up and down twice.

If no limit positions have been set, the motor moves in jog mode. Continue to Step 3. If limit positions have already been set, check them. If the end positions are correct, programming is complete. If the end positions are not correct, go to "Settings" and then to A.

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no limit positions have been set.



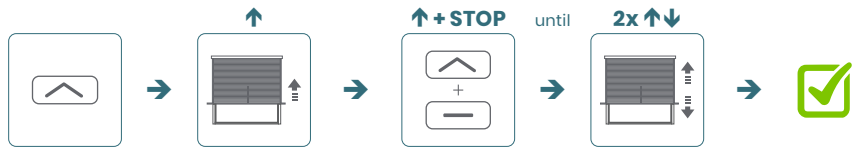
Press the UP and DOWN buttons simultaneously until the motor moves up and down.

If there is no response, check whether the remote control is paired.

Step 3 Setting the Limit Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press the UP or DOWN button for 3 seconds (press STOP in time).

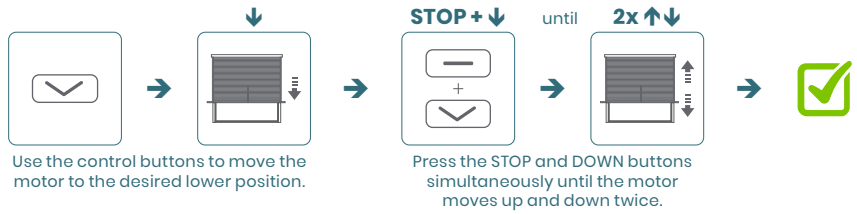
Setting the Desired Upper Position



Use the control buttons to move the motor to the desired upper position.

Press the UP and STOP buttons simultaneously until the motor moves up and down twice.

2 Setting the Desired Lower Position

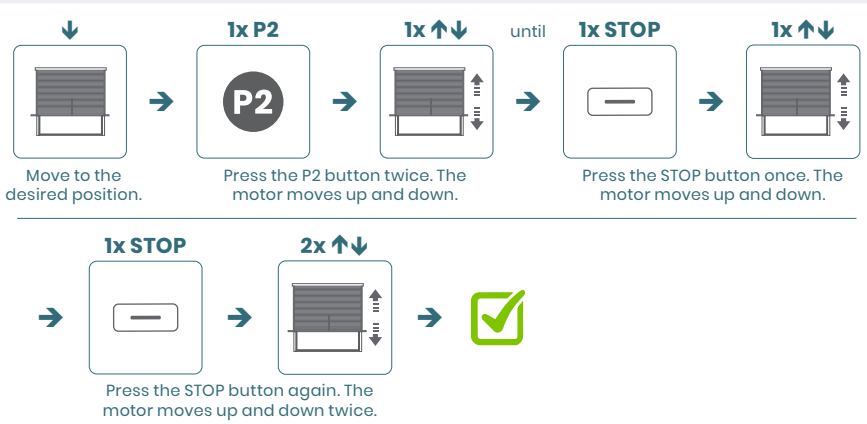


Use the control buttons to move the motor to the desired lower position.

Press the STOP and DOWN buttons simultaneously until the motor moves up and down twice.

The motor is now ready for use.

Step 4 Setting the Favourite Position (optional)



Move to the desired position.

Press the P2 button twice. The motor moves up and down.

Press the STOP button once. The motor moves up and down.

Press the STOP button again. The motor moves up and down twice.

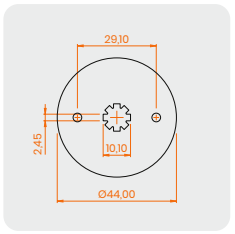
- **Press and hold the STOP button for 3 seconds to move to the favourite position.**
- **Repeat this procedure to delete the favourite position.**

BPE25-1.5

Electronic tubular motor with radio control, 230 VAC
25 series | 1.5 Nm | 32 rpm

- Electronic bidirectional 230 V radio motor with electronic upper and lower limit adjustment and intermediate position
- Frequently used for roller blinds
- Integrated radio receiver
- Automatic shut-off
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BPE25-1.5	230 V	1,5 Nm	32 rpm	25 mm	490 mm	5 m	13 W	0,15 A

Suitable Applications

- Roller blinds

Nino Motors
Indoor Shading

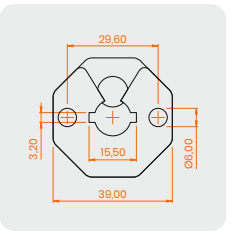
BEMQ35-06

Electronic tubular motor with Matter radio control, 230 VAC
35 series | 6 Nm | 28 rpm | extra quiet

- Matter-compatible electronic bidirectional 230 V radio motor with electronic upper and lower limit adjustment and programmable intermediate position
- Suitable for roller blinds and Venetian blinds with fixed wiring
- Integrated radio receiver
- Automatic shut-off
- Extra quiet

matter





Specifications

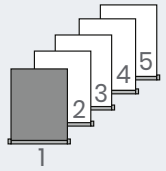
Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BEMQ35-6	230 V	6 Nm	28 rpm	35 mm	580 mm	5 m	133W	0,57 A

Suitable Applications

- Roller blinds

Programming the First Remote Control / First Channel

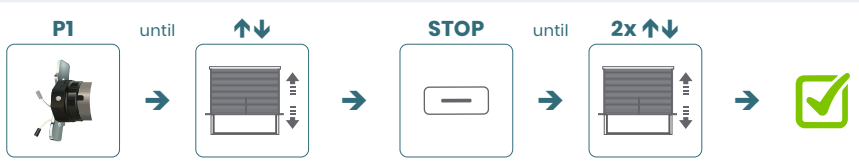
- The remote control can transmit on up to 15 channels and thus control several motors. Select the desired channel using the corresponding channel on the respective remote control. Select a free channel on the remote control before pairing a motor.
- The connection is established via channel 0. All motors that are not yet programmed are located on channel 0.
- If you are pairing more than one motor, you must select a free channel on the remote control after the first motor has been paired.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, each button must be pressed briefly. Holding a button down for too long will interrupt the process.
- The motor confirms each completed step with an up-and-down movement.
- If a procedure does not work as planned, wait 20 seconds and start again.



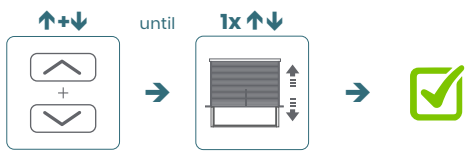
Hold down the P1 button until the motor moves up and down.

Hold down the STOP button until the motor moves up and down twice.

If no limit positions have been set, the motor moves in jog mode. Continue to Step 3. If limit positions have already been set, check them. If the end positions are correct, programming is complete. If the end positions are not correct, go to "Settings" and then to A.

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no limit positions have been set.



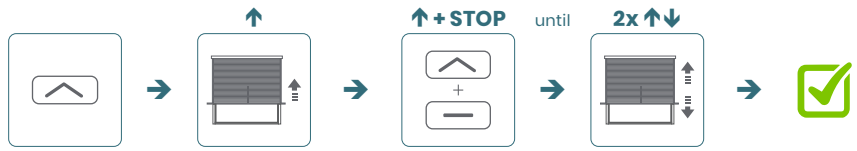
Press the UP and DOWN buttons simultaneously until the motor moves up and down.

If there is no response, check whether the remote control is paired.

Step 3 Setting the Limit Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press the UP or DOWN button for 3 seconds (press STOP in time).

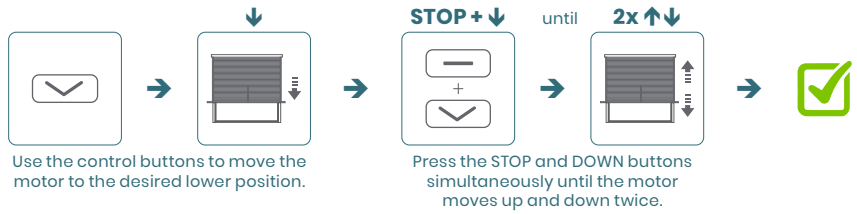
Setting the Desired Upper Position



Use the control buttons to move the motor to the desired upper position.

Press the UP and STOP buttons simultaneously until the motor moves up and down twice.

2 Setting the Desired Lower Position

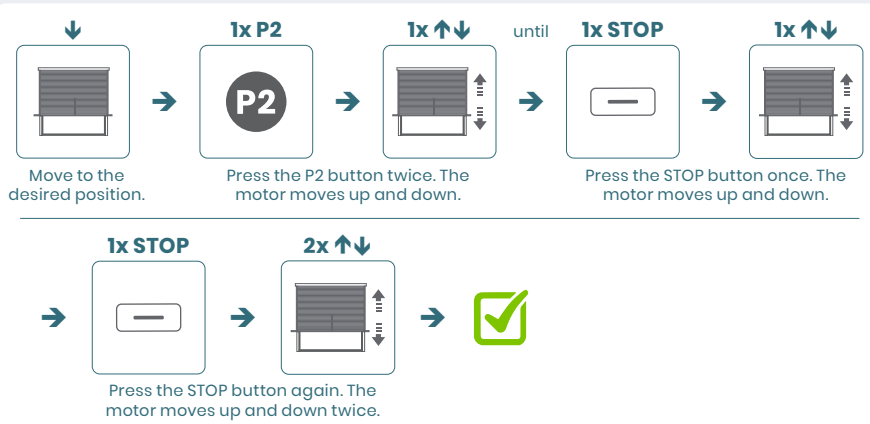


Use the control buttons to move the motor to the desired lower position.

Press the STOP and DOWN buttons simultaneously until the motor moves up and down twice.

The motor is now ready for use.

Step 4 Setting the Favourite Position (optional)



Move to the desired position.

Press the P2 button twice. The motor moves up and down.

Press the STOP button once. The motor moves up and down.

Press the STOP button again. The motor moves up and down twice.

- **Press and hold the STOP button for 3 seconds to move to the favourite position.**
- **Repeat this procedure to delete the favourite position.**

Triton Motors
230V Motors | Outdoor Shading

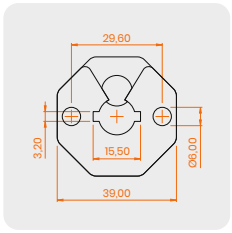
BEMQ35-10

Electronic tubular motor with Matter radio control, 230 VAC
35 series | 10 Nm | 17 rpm | extra quiet

- Matter-compatible electronic bidirectional 230 V radio motor with electronic upper and lower limit adjustment and programmable intermediate position
- Suitable for roller blinds, Venetian blinds and textile shading systems
- Integrated radio receiver
- Automatic shut-off
- Extra quiet

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BEMQ35-10	230 V	10 Nm	17 rpm	35 mm	580 mm	5 m	144 W	0,63 A

Suitable Applications

- Roller blinds
- Sun shading
- Roller shutters
- Venetian Blinds



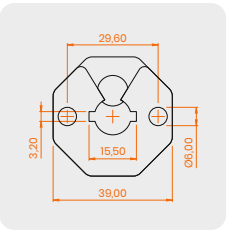
Triton Motors
230V Motors | Outdoor Shading

BR35-13

Mechanical tubular motor with radio control, 230 VAC
35 series | 13 Nm | 14 rpm

- Standard bidirectional 230 V radio motor
- Manual limit adjustment using an adjustment pin
- Frequently used for textile shading systems and roller shutters
- Limit positions adjusted using an adjustment pin
- Integrated radio receiver
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BR35-13	230V	13 Nm	14 rpm	35 mm	596 mm	5 m	121W	0,53 A

Suitable Applications

- Roller blinds
- Sun shading
- Roller shutters



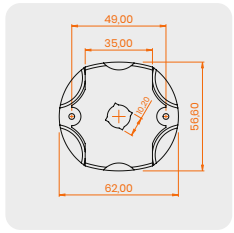
Triton Motors
230V Motors | Outdoor Shading

BEK45-10

Electronic tubular motor with radio control, 230 VAC
45 series | 10 Nm | 15 rpm | extra short

- Electronic radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Extra short
- Frequently used for particularly small textile shading systems and roller shutters
- Integrated radio receiver
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BEK45-10	230 V	10 Nm	15 rpm	45 mm	400 mm	3 m	113W	0,48 A

Suitable Applications

- Sun shading
- Roller shutters



Triton Motors
230V Motors | Outdoor Shading

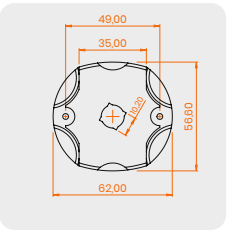
BREM45-20

Electronic tubular motor with Matter radio control, 230 VAC
45 series | 20 Nm | 15 rpm

- Matter-compatible electronic radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Integrated radio receiver
- Automatic shut-off
- Obstacle detection
- Especially suitable for roller shutters
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BREM45-20	230 V	20 Nm	15 rpm	45 mm	610 mm	5 m	161W	0,69 A

Suitable Applications

- Roller shutters

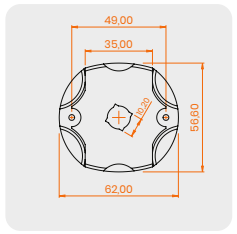


Triton Motors
230V Motors | Outdoor Shading

BR45-20
Mechanical tubular motor with radio control, 230 VAC
45 series | 20 Nm | 15 rpm

- Standard bidirectional 230 V radio motor
- Manual limit adjustment using an adjustment pin
- Limit positions adjusted using an adjustment pin
- Integrated radio receiver
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BR45-20	230 V	20 Nm	15 rpm	45 mm	612 mm	5 m	145W	0,64 A

Suitable Applications
- Sun shading
- Roller shutters



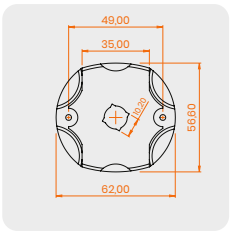
Triton Motors
230V Motors | Outdoor Shading

BKEM45-40
Electronic tubular motor with Matter radio control, 230 VAC
45 series | 50 Nm | 12 rpm

- Matter-compatible electronic radio motor
- Electronic upper and lower limit adjustment and intermediate position
- Electronic limit correction, therefore frequently used for articulated arm awnings
- Integrated radio receiver
- Automatic shut-off
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BKEM45-40	230 V	50 Nm	12 rpm	45 mm	660 mm	5 m	188W	0,86 A

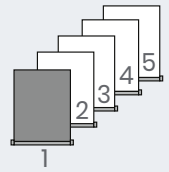
Suitable Applications
- Articulated Arm Awnings



Triton Motors
230V Motors | Outdoor Shading

Programming the First Remote Control / First Channel

- The remote control can transmit on up to 15 channels and thus control several motors. Select the desired channel using the corresponding channel on the respective remote control. Select a free channel on the remote control before pairing a motor.
- The connection is established via channel 0. All motors that are not yet programmed are located on channel 0.
- If you are pairing more than one motor, you must select a free channel on the remote control after the first motor has been paired.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, each button must be pressed briefly. Holding a button down for too long will interrupt the process.
- The motor confirms each completed step with an up-and-down movement.
- If a procedure does not work as planned, wait 20 seconds and start again.



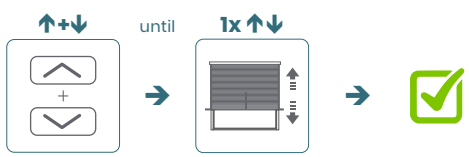
Hold down the P1 button until the motor moves up and down.

Hold down the STOP button until the motor moves up and down twice.

If no limit positions have been set, the motor moves in jog mode. Continue to Step 3. If limit positions have already been set, check them. If the end positions are correct, programming is complete. If the end positions are not correct, go to "Settings" and then to A.

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no limit positions have been set.



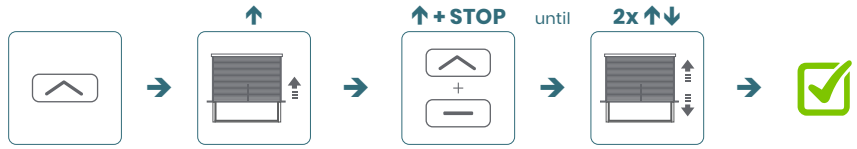
Press the UP and DOWN buttons simultaneously until the motor moves up and down.

If there is no response, check whether the remote control is paired.

Step 3 Setting the Limit Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press the UP or DOWN button for 3 seconds (press STOP in time).

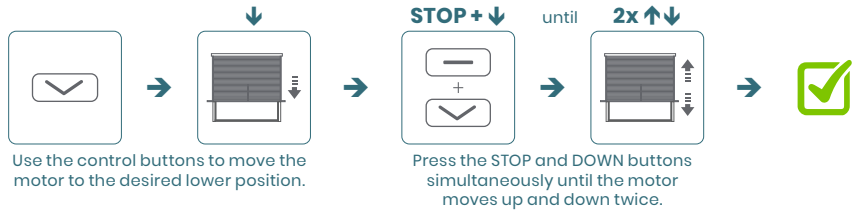
Setting the Desired Upper Position



Use the control buttons to move the motor to the desired upper position.

Press the UP and STOP buttons simultaneously until the motor moves up and down twice.

2 Setting the Desired Lower Position

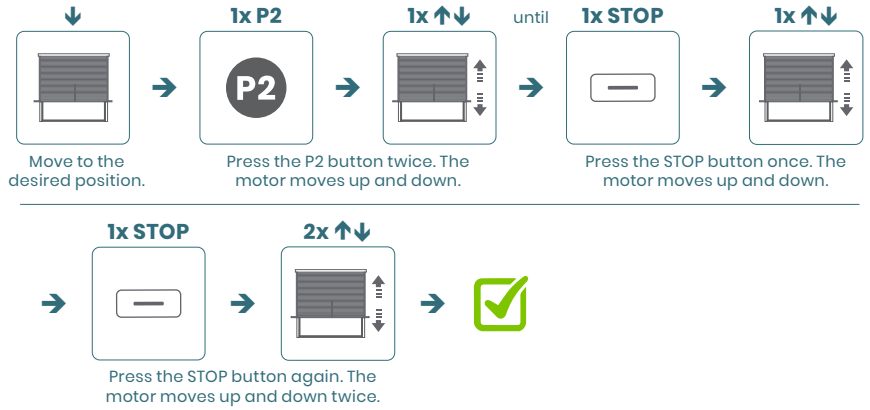


Use the control buttons to move the motor to the desired lower position.

Press the STOP and DOWN buttons simultaneously until the motor moves up and down twice.

The motor is now ready for use.

Step 4 Setting the Favourite Position (optional)



Move to the desired position.

Press the P2 button twice. The motor moves up and down.

Press the STOP button once. The motor moves up and down.

Press the STOP button again. The motor moves up and down twice.

Press and hold the STOP button for 3 seconds to move to the favourite position.

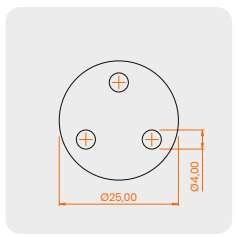
Repeat this procedure to delete the favourite position.

Ezio Motors
Standard Motors | Indoor Shading

MDS25-0.7
Mechanical tubular motor, 24 VDC
25 series | 0.7 Nm | 28 rpm | extra short

- Extra-short standard 24 V motor, manual adjustment using an adjustment pin
- Torque 0.7 Nm, 25 mm diameter
- Limit positions adjusted using adjustment pins
- Minimum inner tube diameter of 35 mm required





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MDS25-0.7	24 V	0,7 Nm	28 rpm	25 mm	320 mm	2 m	8W	0,3 A

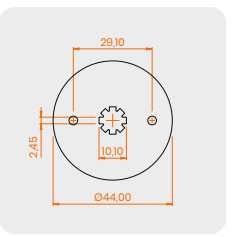
Suitable Applications
- Roller blinds

Ezio Motors
Standard Motors | Indoor Shading

MS25-1.5/32
Electronic tubular motor, 230 VAC
25 series | 1.5 Nm | 32 rpm

- Standard 230 V motor
- Electronic limit adjustment
- Can be connected in parallel without a relay box (max. 90 motors on a 16 A circuit breaker)
- Unlimited running time due to no heat generation





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS25-1.5	230 V	1,5 Nm	32 rpm	25 mm	445 mm	2 m	13W	0,15 A

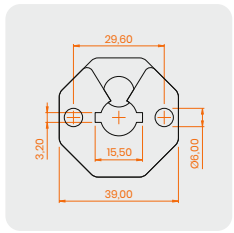
Suitable Applications
- Roller blinds

MS35-10

Mechanical tubular motor, 230 VAC
35 series | 10 Nm | 17 rpm

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS35-10	230 V	10 Nm	17 rpm	35 mm	473 mm	3 m	121W	0,53 A

Suitable Applications

- Roller blinds
- Venetian Blinds



Ezio Motors
Standard Motors | Indoor Shading

MPS35-06

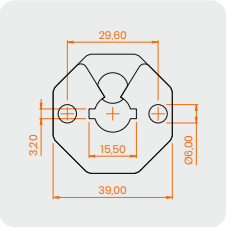
Electronic tubular motor for roller shutters, 230 VAC
35 series | 6 Nm | 28 rpm

MPS35-10

Electronic tubular motor for roller shutters, 230 VAC
35 series | 10 Nm | 17 rpm

- Standard 230 V motor
- Electronic limit adjustment using the Z-25 programming tool
- Can be connected in parallel without a relay box
  (max. 90 motors on a 16 A circuit breaker)





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MPS35-06	230 V	6 Nm	28 rpm	35 mm	595 mm	3 m	124W	0,54 A
MPS35-10	230 V	10 Nm	17 rpm	35 mm	595 mm	3 m	124W	0,54 A

Suitable Applications

- Roller blinds

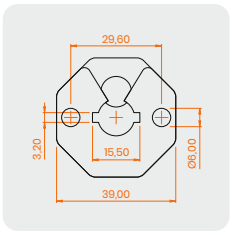


MBQ35-06

Mechanical tubular motor, 230 VAC
35 series | 6 Nm | 36 rpm | extra quiet

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin
- Extra quiet





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MBQ35-06	230 V	6 Nm	36 rpm	35 mm	515 mm	3 m	121W	0,53 A

Suitable Applications

- Roller blinds

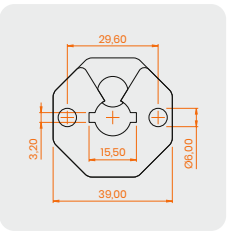
Ezio Motors
Standard Motors | Indoor Shading

MBQ35-10

Mechanical tubular motor, 230 VAC
35 series | 10 Nm | 17 rpm | extra quiet

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin
- Extra quiet





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MBQ35-10	230 V	10 Nm	17 rpm	35 mm	515 mm	3 m	144W	0,62 A

Suitable Applications

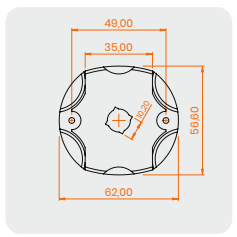
- Venetian Blinds

MPS45-20

Electronic tubular motor for roller shutters, 230 VAC
45 series | 20 Nm | 26 rpm

- Standard 230 V motor
- Electronic limit adjustment using the Z-25 programming tool
- Can be connected in parallel without a relay box
  (max. 90 motors on a 16 A circuit breaker)





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MPS45-20	230 V	20 Nm	26 rpm	45 mm	595 mm	3 m	124W	0,54 A

Suitable Applications

- Sun shading
- Roller shutters

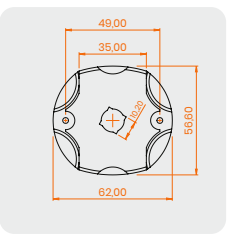
Ezio Motors
Standard Motors | Outdoor Shading

MS45-20

Mechanical tubular motor, 230 VAC
45 series | 20 Nm | 15 rpm

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS45-20	230 V	20 Nm	15 rpm	45 mm	473 mm	3 m	145W	0,64 A

Suitable Applications

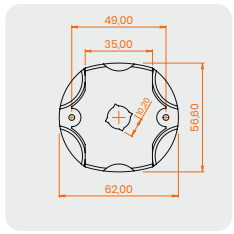
- Sun shading
- Roller shutters

Ezio Motors
Standard Motors | Outdoor Shading

MS45-40
Mechanical tubular motor, 230 VAC
45 series | 40 Nm | 15 rpm

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS45-40	230 V	40 Nm	15 rpm	45 mm	543 mm	3 m	198W	0,86 A

Suitable Applications
- Sun shading
- Roller shutters
- Articulated Arm Awnings

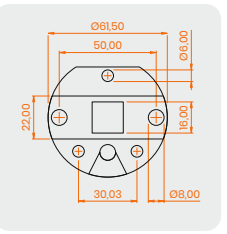


Ezio Motors
Standard Motors | Outdoor Shading

MS55-60
Mechanical tubular motor, 230 VAC
55 series | 60 Nm | 12 rpm

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS55-60	230 V	60 Nm	12 rpm	55 mm	586 mm	3 m	320W	1,39 A

Suitable Applications
- Roller doors
- Large Articulated Arm Awnings

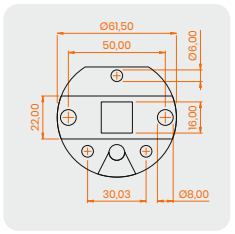


MS55-80

Mechanical tubular motor, 230 VAC
55 series | 80 Nm | 12 rpm

- Standard 230 V motor
- Manual limit adjustment using an adjustment pin





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS55-80	230 V	80 Nm	12 rpm	55 mm	586 mm	3 m	385W	1,65 A

Suitable Applications

- Roller doors

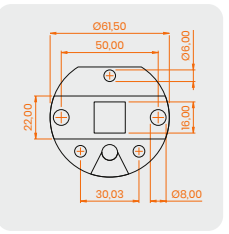
Ezio Motors
Standard Motors | Outdoor Shading

MS55-120

Mechanical tubular motor 230 V AC |
55 Series | 120 Nm | 7 rpm

- Standard 230 V motor
- Manual limit setting using an adjustment tool





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MS55-120	230 V	120 Nm	7 rpm	55 mm	605 mm	3 m	393W	1,68 A

Suitable Applications

- Roller doors

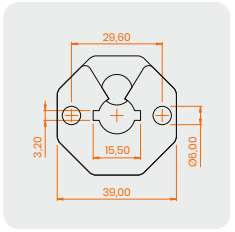
Ezio Motors
Standard Motors with plug | Indoor Shading

MSW35-10/D/SC I

Mechanical tubular motor, 230 VAC | 35 series | 10 Nm 17 rpm | incl. moulded STAS-3 connector, German wiring scheme I

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, German wiring scheme I
- Manual limit adjustment using an adjustment pin



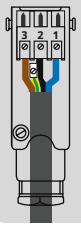


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW35-10/ D/SC I	230 V	10 Nm	17 rpm	35 mm	473 mm	0,3 m	121W	0,53 A

Suitable Applications

- Roller blinds
- Venetian Blinds



D/SC I
P1 = Blue
P2 = Black
P3 = Brown
PE = Yellow/ green

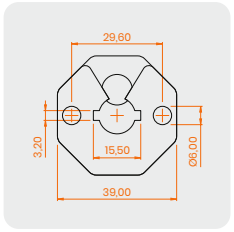
Ezio Motors
Standard Motors with plug | Indoor Shading

MSW35-10/D/SC II

Mechanical tubular motor, 230 VAC | 35 series | 10 Nm 17 rpm | incl. moulded STAS-3 connector, German wiring scheme II

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, German wiring scheme II
- Manual limit adjustment using an adjustment pin



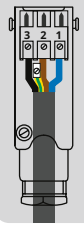


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW35-10/ D/SC II	230 V	10 Nm	17 rpm	35 mm	473 mm	0,3 m	121W	0,53 A

Suitable Applications

- Roller blinds
- Venetian Blinds



D/SC II
P1 = Blue
P2 = Brown
P3 = Black
PE = Yellow/ green

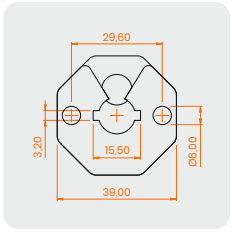
Ezio Motors
Standard Motors with plug |
Indoor Shading

MSW35-10/F/SC

Mechanical tubular motor, 230 VAC | 35 series | 10 Nm
17 rpm | incl. moulded STAS-3 connector, French wiring scheme

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, French wiring scheme
- Manual limit adjustment using an adjustment pin



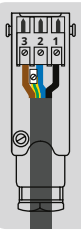


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW35-10/ F/SC	230 V	10 Nm	17 rpm	35 mm	473 mm	0,3 m	121W	0,53 A

Suitable Applications

- Roller blinds
- Venetian Blinds



F/SC
P1 = Black
P2 = Blue
P3 = Brown
PE = Yellow/ green

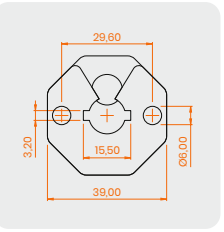
Ezio Motors
Standard Motors with plug |
Indoor Shading

MSW35-10/S/SC

Mechanical tubular motor, 230 VAC | 35 series | 10 Nm
17 rpm | incl. moulded STAS-3 connector, Dutch wiring scheme

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, Dutch wiring scheme
- Manual limit adjustment using an adjustment pin



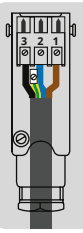


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW35-10/ S/SC	230 V	10 Nm	17 rpm	35 mm	473 mm	0,3 m	121W	0,53 A

Suitable Applications

- Roller blinds
- Venetian Blinds



S/SC
P1 = Brown
P2 = Blue
P3 = Black
PE = Yellow/ green

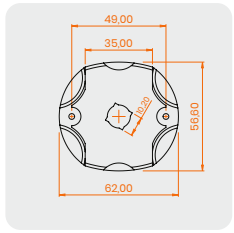
Ezio Motors
Standard Motors mit Stecker |
Outdoor Shading

MSW45-20/D/SC I

Mechanical tubular motor, 230 VAC | 45 series | 20 Nm 15 rpm | incl. moulded STAS-3 connector, German wiring scheme I

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, German wiring scheme I
- Manual limit adjustment using an adjustment pin



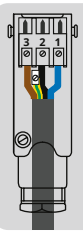


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW45-20/ D/SC I	230 V	20 Nm	15 rpm	45 mm	473 mm	0,3 m	145W	0,64 A

Suitable Applications

- Sun shading
- Roller shutters



D/SC I
P1 = Blue
P2 = Black
P3 = Brown
PE = Yellow/ green

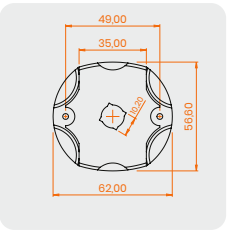
Ezio Motors
Standard Motors mit Stecker |
Outdoor Shading

MSW45-20/D/SC II

Mechanical tubular motor, 230 VAC | 45 series | 20 Nm 15 rpm | incl. moulded STAS-3 connector, German wiring scheme II

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, German wiring scheme II
- Manual limit adjustment using an adjustment pin



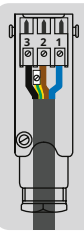


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW45-20/ D/SC II	230 V	20 Nm	15 rpm	45 mm	473 mm	0,3 m	145W	0,64 A

Suitable Applications

- Sun shading
- Roller shutters



D/SC II
P1 = Blue
P2 = Brown
P3 =Black
PE = Yellow/ green

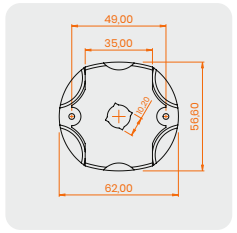
Ezio Motors
Standard Motors mit Stecker |
Outdoor Shading

MSW45-20/F/SC

Mechanical tubular motor, 230 VAC | 45 series | 20 Nm
15 rpm | incl. moulded STAS-3 connector, French wiring scheme

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, French wiring scheme
- Manual limit adjustment using an adjustment pin



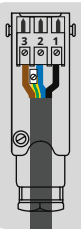


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW45-20/ F/SC	230 V	20 Nm	15 rpm	45 mm	473 mm	0,3 m	145W	0,64 A

Suitable Applications

- Sun shading
- Roller shutters



F/SC
P1 = Black
P2 = Blue
P3 = Brown
PE = Yellow/ green

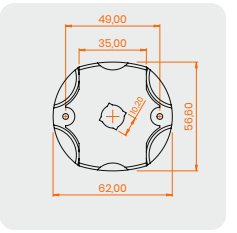
Ezio Motors
Standard Motors mit Stecker |
Outdoor Shading

MSW45-20/S/SC

Mechanical tubular motor, 230 VAC | 45 series | 20 Nm
15 rpm | incl. moulded STAS-3 connector, Dutch wiring scheme

- Standard 230 V motor
- With waterproof moulded STAS-3 connector, Dutch wiring scheme
- Manual limit adjustment using an adjustment pin



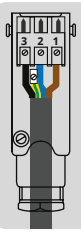


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MSW45-20/ S/SC	230 V	20 Nm	15 rpm	45 mm	473 mm	0,3 m	145W	0,64 A

Suitable Applications

- Sun shading
- Roller shutters



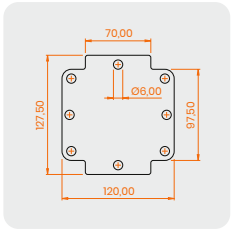
S/SC
P1 = Brown
P2 = Blue
P3 = Black
PE = Yellow/ green

Ezio Motors
Standard Motors | Outdoor Shading

MH92-300
Mechanical tubular motor, 230 VAC
92 series | 300 Nm | 9 rpm

- Standard 230 V motor
- Commonly used for roller shutters and roller doors
- Limit adjustment using adjustment pins
- Emergency manual operation
- Running time: 4 minutes





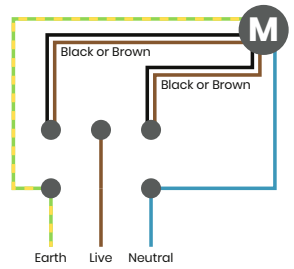
Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MH92-300	230 V	300 Nm	9 rpm	92 mm	551 mm	3 m	940W	4,08 A

Suitable Applications
- Roller doors

Installation Instructions

Connecting Mechanical Motors



Voltage

Adjusting Mechanical Motors

To adjust the motor, use the supplied adjustment tool. The large arrow indicates the direction in which the end position will change. Turn the adjustment screws towards PLUS or MINUS to adjust the end positions.Turning towards MINUS allows the motor to make fewer revolutions. The adjustment must be carried out in the corresponding direction. When the motor is reset, it must not make more than one revolution towards MINUS. If it makes more than one revolution towards MINUS, the adjustment mechanism may disengage. In this case, move the motor back to a position where it no longer rotates. Make sure that the adjustment mechanism is engaged again.



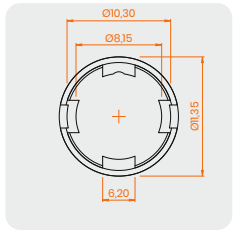
Juno Motors
Headrailmotors, with Plug | Indoor Shading

BJE24TD-2x0.6

Electronic block motor for rectangular top-down/bottom-up pleated blinds, with radio control, 12 VDC | 24 series | 2 × 0.6 Nm | 34 rpm | with JST connector

- Electronic 12 V radio motor with electronic upper and lower limit adjustment and intermediate position
- Compatible with THW3115, THW2115 and THB3115 remote controls
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver, easy to connect to Matter, home automation or other building systems
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE24TD-2x0.6	12 V	2 x 0,6 Nm	34 rpm	24 mm	320 mm	0,3 m	8W	0,63 A

Suitable Applications

- Pleated blinds



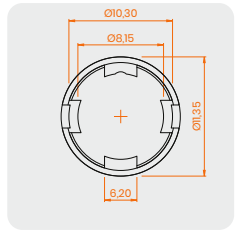
Juno Motors
Headrailmotors, with Plug | Indoor Shading

BJE24TR-2x0.6

Electronic block motor, Triangle version, for sloped window shading systems, with radio control, 12 VDC | 24 series | 2 × 0.6 Nm | 34 rpm | without release function

- Electronic 12 V radio motor with electronic upper and lower limit adjustment and intermediate position
- For use with sloped pleated blind or honeycomb systems
- Compatible with THW3115, THW2115 and THB3115 remote controls
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver, easy to connect to Matter, home automation or other building systems
- Adjustable speed
- Slow stop
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE24TR-0.6	12 V	2 x 0,6 Nm	34 rpm	24 mm	320 mm	0,3 m	8W	0,63 A

Suitable Applications

- Sloped pleated blinds



Juno Motors
Headrailmotors, with Plug | Indoor Shading

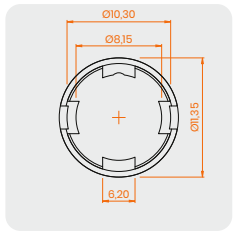
BJEM24S-0.6

Electronic single-shaft block motor with Matter radio, 12 VDC 24 series | 0.6 Nm | 34 rpm

- Matter-compatible electronic 12 V radio motor with electronic upper and lower limit adjustment and programmable intermediate position
- Compact design with integrated Matter functionality for easy integration into smart home systems
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver
- Adjustable speed
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJEM24S-0.6	12 V	0,6 Nm	34 rpm	24 mm	147 mm	0,3 m	6,4W	0,56 A

Suitable Applications

- Roman blinds
- Pleated blinds
- Venetian Blinds



Juno Motors
Headrailmotors, with Plug | Indoor Shading

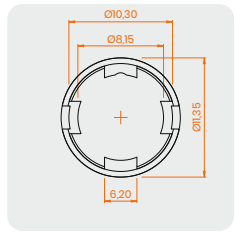
BJEM24SQ-0.6

Electronic single-shaft block motor for horizontally operating pleated blinds with continuous loop cord, with Matter radio 12 VDC | 24 series | 0.6 Nm | 34 rpm

- Matter-compatible electronic 12 V radio motor with electronic upper and lower limit adjustment and programmable intermediate position
- Specifically designed for horizontally operating pleated blinds with continuous loop cord
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver
- Adjustable speed
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJEM24SQ-0.6	12 V	0,6 Nm	34 rpm	24 mm	147 mm	0,3 m	6,4W	0,56 A

Suitable Applications

- Skylight-Pleated blinds



Juno Motors
Headrailmotors, with Plug |
Indoor Shading

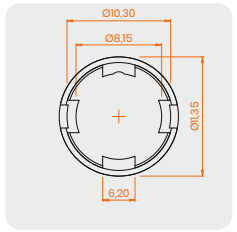
BJEM24D-0.8

Electronic double-shaft block motor with Matter radio, 12 VDC
24 series | 0.8 Nm | 34 rpm

- Matter-compatible electronic 12 V radio motor with electronic upper and lower limit adjustment and programmable intermediate position;
- Compact design with fully integrated Matter functionality for easy pairing with smart home systems;
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver
- Adjustable speed
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJEM24D-0.8	12 V	0,8 Nm	34 rpm	24 mm	210 mm	0,3 m	10W	0,83 A

Suitable Applications

- Roman blinds
- Pleated blinds
- Venetian Blinds



Juno Motors
Headrailmotors, with Plug |
Indoor Shading

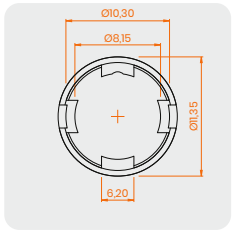
BJEM24DQ-0.8

Electronic double-shaft block motor for horizontally operating pleated blinds with continuous loop cord, with Matter radio
12 VDC | 24 series | 0.8 Nm | 34 rpm

- Electronic 12 V radio motor with electronic upper and lower limit adjustment and intermediate position
- Specifically designed for horizontally operating pleated blinds with continuous loop cord
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver
- Adjustable speed
- Bidirectional

matter





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJEM24DQ-0.8	12 V	0,8 Nm	34 rpm	24 mm	210 mm	0,3 m	10W	0,83 A

Suitable Applications

- Skylight-Pleated blinds

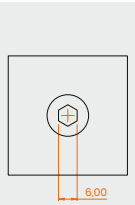


Juno Motors
Headrailmotors, with Plug | Indoor Shading

BJE45D-2x3/24
Electronic double-shaft block motor with radio control, 12 VDC 45 series | 2 × 3 Nm | 24 rpm

- Electronic 12 V radio motor
- Electronic limit positions and preferred position
- Integrated radio receiver
- Equipped with a 0.15 m cable with JST connector
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE45D-2x3/24	12 V	2x3 Nm	24 rpm	45 mm	333 mm	0,15 m	41W	3,4 A

Suitable Applications
- Venetian Blinds
- Roman blinds
- Pleated blinds

Juno Motors
Headrailmotors, with Plug | Indoor Shading

BTE50
Electronic block motor, tilt-only centre motor, with radio control, 8.4 VDC | 31 series | 0.6 Nm | 10 rpm

- Electronic limit adjustment
- Includes rechargeable Li-ion battery
- Integrated radio receiver
- Low power consumption
- Bidirectional
- Available in white (W) and black (B)



Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BTE50W	8,4 V	0,6 Nm	10 rpm	31 mm	91 mm	x	5W	0,54 A
BTE50B	8,4 V	0,6 Nm	10 rpm	31 mm	91 mm	x	5W	0,54 A

Suitable Applications
- Venetian Blinds

Juno Motors
Headrailmotors, with Plug |
Indoor Shading

BJE55DE-2x4,5Nm

Electronic double-shaft block motor, 230 VAC
55 series | 2 × 4.5 Nm | 26 rpm | incl. moulded STAS-3 connector

- Electronic 230 V radio motor
- Electronic limit adjustment using the Z-25 programming tool





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE55DE	230 V	2x4,5 Nm	26 rpm	55 mm	330 mm	0,3 m	139 W	0,61 A

Suitable Applications

- Venetian Blinds

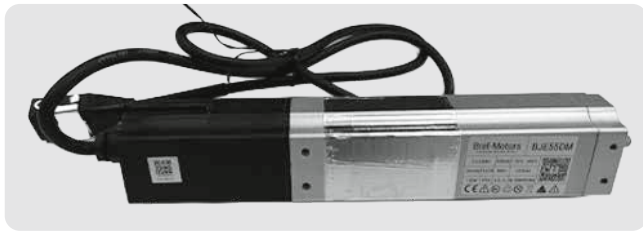


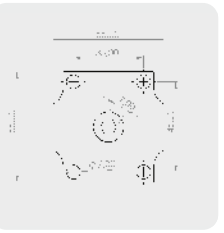
Juno Motors
Headrailmotors, with Plug |
Indoor Shading

BJE55DM-2x4,5Nm

Mechanical double-shaft block motor, 230 VAC
55 series | 2 × 4.5 Nm | 26 rpm | incl. moulded STAS-3 connector

- Mechanical 230 V radio motor
- Mechanical limit adjustment





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE55DM	230 V	2x4,5 Nm	26 rpm	55 mm	330 mm	1 m	152W	0,67 A

Suitable Applications

- Venetian Blinds



Juno Motors
Headrailmotors, with Plug | Indoor Shading

BJE55DS-2x4,5Nm
Electronic double-shaft block motor, 12 VDC
55 series | 2 × 4.5 Nm | 15 rpm | incl. large DIN connector

- Brushless DC motor (BLDC) with electronic commutation
- Upper limit can be adjusted mechanically using the limit switch on the motor, while the lower limit can be adjusted electronically. Alternatively, both limits can be adjusted electronically
- Integrated stop button
- Separate 12 V battery with integrated receiver required (included in delivery)
- Solar panel can be connected via an external battery





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE55DS	12 V	2x4,5 Nm	15 rpm	55 mm	330 mm	1 m	68 W	5,6 A

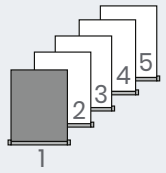
Suitable Applications
- Venetian Blinds



Notes

Programming the First Remote Control / First Channel

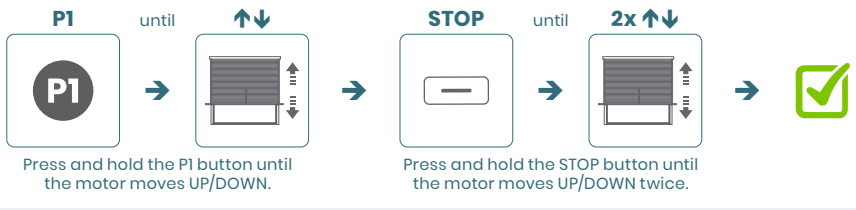
- The remote control can transmit on up to 15 channels and therefore control multiple motors. First, select the desired channel for the respective remote control / motor. We recommend using one motor per channel.
- The remote control has channel 0. All motors programmed on channels 1–15 are automatically included in channel 0.
- If you discover after installation that you have programmed the wrong channel, please refer to **"Restoring Factory Settings"**.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

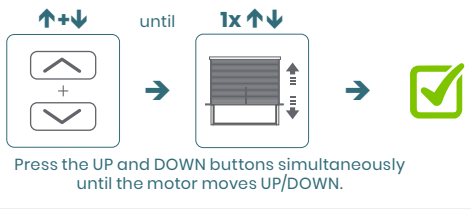
- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, press each button only briefly. Holding a button down for too long will cause the motor to interpret it as a command.
- The motor confirms each completed step with an UP and DOWN movement.
- If a procedure does not go as planned, wait 20 seconds and start again.



- **If NO end positions have been set, the motor will operate in jog mode. Continue to Step 3. If end positions have already been set, check them. Warning: If the end positions are not correct, refer to "Changing Settings" on page A.**

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no end positions have been set.

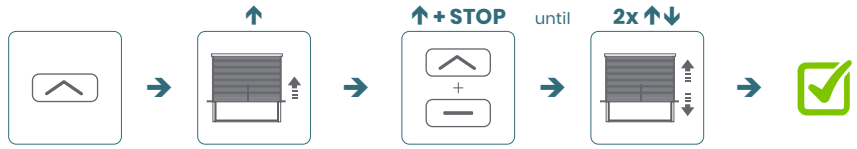


- **If there is no response, check whether the remote control is locked.**
- **The upper position is reached when the bottom rail rests against the headrail.**

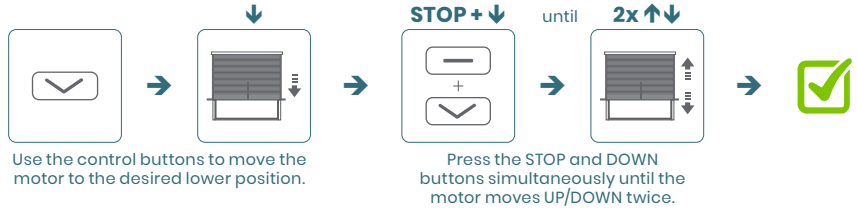
Step 3 Setting the End Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press and hold the UP or DOWN button for 3 seconds (press STOP in time).
- Set the end positions approximately 3 cm before the upper or lower position to determine the final end position.

1 Setting the Desired Upper Position

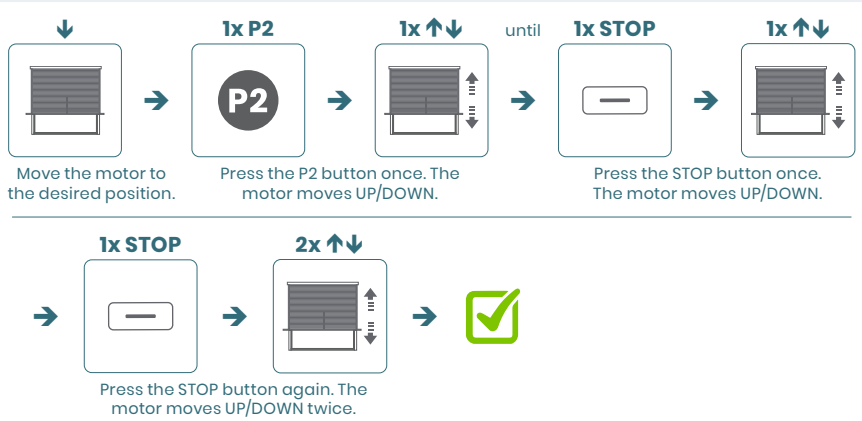


2 Setting the Desired Lower Position



- 5 seconds after setting the end positions, the motor moves against the resistance and then reverses.
- **The motor is now ready for operation.**

Step 4 Setting the Favourite Position (if desired)



- **Press and hold the STOP button for 3 seconds to move to the favourite position.**
- **Repeat this procedure to delete the favourite position.**

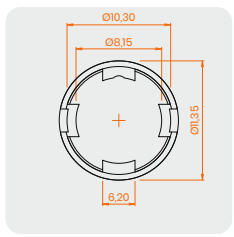
Vesta Motors
Project motors, with plug |
Indoor Shading

BJE24DD-0.8

Double-wired electronic block motor with radio control | 12 V DC | 24 Series | 0.8 Nm | 34 rpm | Potential-free

- Double-wired electronic 12 V radio motor with electronic upper and lower limit settings and intermediate position
- Can be connected in parallel via a potential-free cable without a relay box (max. 90 motors on a 16 A circuit breaker)
- Commonly used as a centre motor for Venetian blinds, pleated blinds or Roman blinds
- Equipped with a 0.3 m cable with JST connector
- Integrated radio receiver
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BJE24DD-0.8	12 V	0,8 Nm	34 rpm	24 mm	210 mm	0,3 m	10W	0,83 A

Suitable Applications

- Roman blinds
- Pleated blinds
- Venetian Blinds



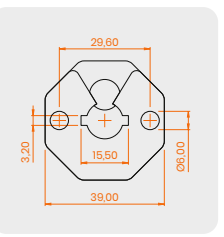
Vesta Motors
Project motors, with plug |
Indoor Shading

BEQ35DD-10

Double-wired electronic tubular motor with radio control | 230 V AC | 35 Series | 10 Nm | 17 rpm | Extra quiet

- Double-wired electronic 230 V radio motor with electronic upper and lower limit settings and intermediate position
- Can be connected in parallel via a potential-free cable without a relay box (max. 90 motors on a 16 A circuit breaker)
- Commonly used for large roller blinds and (wooden) Venetian blinds
- Integrated radio receiver
- Extra quiet
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BEQ35DD-10	230 V	10 Nm	17 rpm	35 mm	585 mm	5 m	155W	0,67 A

Suitable Applications

- Roller blinds
- Wooden Venetian Blinds



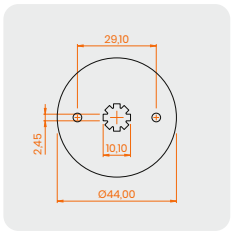
Vesta Motors
Project motors, with plug |
Indoor Shading

BPE25DD-1.5

Double-wired electronic tubular motor for roller blinds with radio control | 230 V AC | 25 Series | 1.5 Nm | 32 rpm

- Double-wired electronic radio motor with electronic upper and lower limit settings and intermediate position
- Can be connected in parallel via a potential-free cable without a relay box (max. 90 motors on a 16 A circuit breaker)
- Commonly used for roller blinds
- Integrated radio receiver
- Adjustable speed
- Bidirectional





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BPE25DD-1.5	110-240 V	1.5 Nm	32 rpm	25 mm	487 mm	5 m	13W	0,15 A

Suitable Applications

- Roller blinds

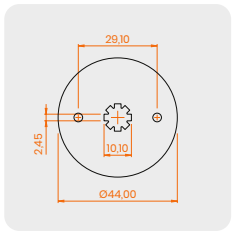
Vesta Motors
Project motors, with plug |
Indoor Shading

BPEQ28DD-02

Double-wired electronic tubular motor for roller blinds with radio control | 230 V AC | 28 Series | 2 Nm | 28 rpm | Extra quiet

- Double-wired electronic radio motor with electronic upper and lower limit settings and intermediate position
- Can be connected in parallel via a potential-free cable without a relay box (max. 90 motors on a 16 A circuit breaker)
- Commonly used for roller blinds
- Integrated radio receiver
- Adjustable speed
- Bidirectional





Specifications

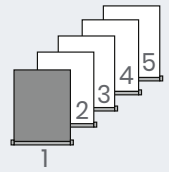
Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BPEQ28DD-2	110-240 V	2 Nm	28 rpm	28 mm	670 mm	5 m	18W	1 A

Suitable Applications

- Roller blinds

Programming the First Remote Control / First Channel

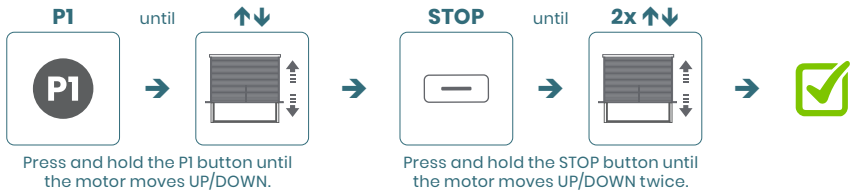
- The remote control can transmit on up to 15 channels and therefore control multiple motors. First, select the desired channel for the respective remote control / motor. We recommend using one motor per channel.
- The remote control has channel 0. All motors programmed on channels 1–15 are automatically included in channel 0.
- If you discover after installation that you have programmed the wrong channel, please refer to **"Restoring Factory Settings"**.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

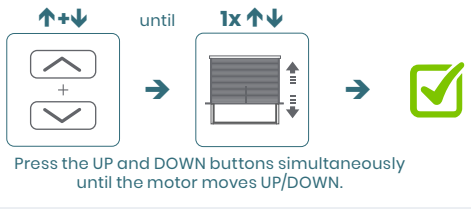
- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, press each button only briefly. Holding a button down for too long will cause the motor to interpret it as a command.
- The motor confirms each completed step with an UP and DOWN movement.
- If a procedure does not go as planned, wait 20 seconds and start again.



- **If NO end positions have been set, the motor will operate in jog mode. Continue to Step 3. If end positions have already been set, check them. Warning: If the end positions are not correct, refer to "Changing Settings" on page A.**

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no end positions have been set.

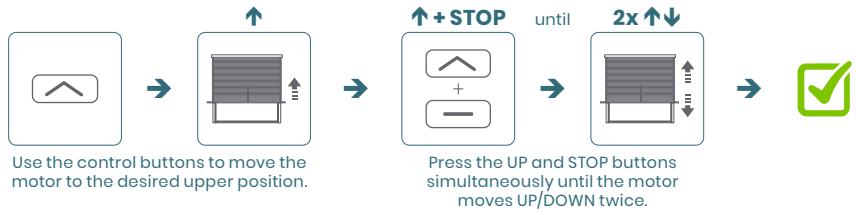


- **If there is no response, check whether the remote control is locked.**
- **The upper position is reached when the bottom rail rests against the headrail.**

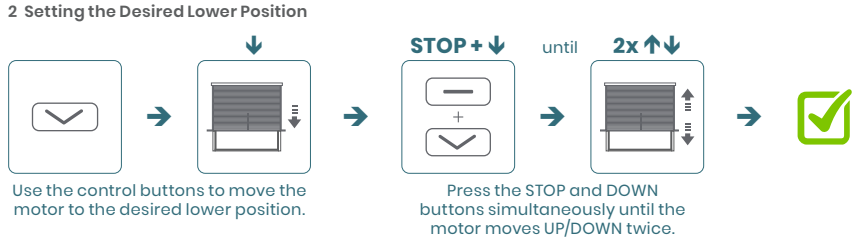
Step 3 Setting the End Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press and hold the UP or DOWN button for 3 seconds (press STOP in time).
- Set the end positions approximately 3 cm before the upper or lower position to determine the final end position.

1 Setting the Desired Upper Position

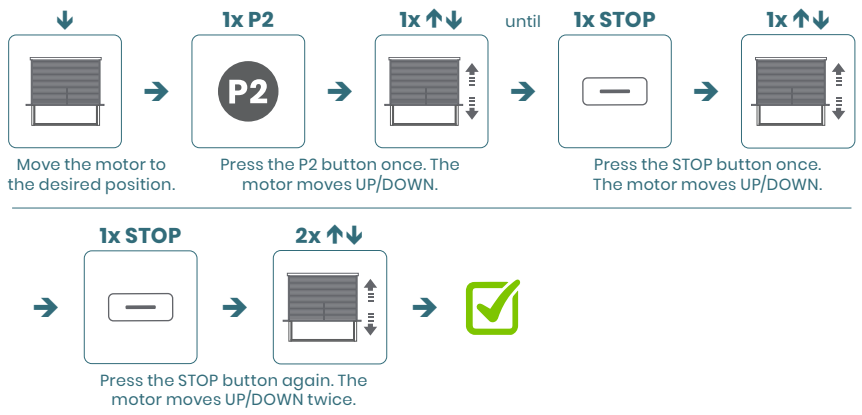


2 Setting the Desired Lower Position



- 5 seconds after setting the end positions, the motor moves against the resistance and then reverses.
- **The motor is now ready for operation.**

Step 4 Setting the Favourite Position (if desired)



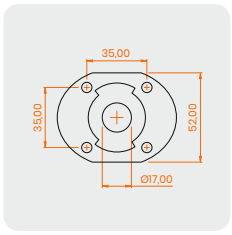
- **Press and hold the STOP button for 3 seconds to move to the favourite position.**
- **Repeat this procedure to delete the favourite position.**

MGS-45

Electronic curtain motor | 230 V AC | 0.8 Nm | 20 rpm | Quiet

- Standard 230 V curtain track motor
- Suitable for projects with central control systems
- Automatic electronic limit setting
- Favourite position
- Automatic shut-off
- Low energy consumption
- Quiet operation





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
MGS-45	230 V	0,8 Nm	23 rpm	70 mm	215 mm	5 m	45W	0,23 A

Suitable Applications

- Curtains

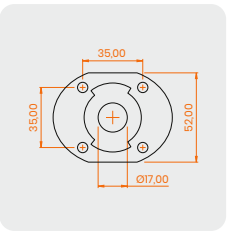
Luna Motors
Indoor Shading | Curtains

BG-45

Electronic curtain motor with radio control | 230 V AC | 0.8 Nm | 20 rpm | Potential-free

- Electronic 230 V radio motor specifically designed for curtain tracks
- Automatic electronic limit setting
- Integrated radio receiver
- Overload protection
- Manual operation possible
- Potential-free input





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BG-45	230 V	0,8 Nm	20 rpm	70 mm	215 mm	5 m	45W	0,20 A

Suitable Applications

- Curtains

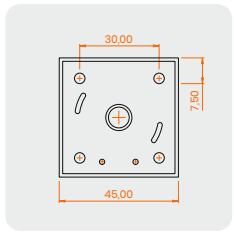
Luna Motors
Indoor Shading | Curtains

BG-980

Electronic curtain motor with radio control and Wi-Fi | 230 V AC | 55 Series | 1.2 Nm | 20 rpm | Potential-free

- 230 V radio motor with Wi-Fi function specifically designed for curtain tracks
- The motor's Wi-Fi function allows direct connection to the Brel Home App
- Automatic electronic upper and lower limit settings and intermediate position
- Integrated radio receiver
- Circuit breaker
- Overload protection
- Manual operation possible
- Potential-free input
- Wi-Fi function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BG-980	120 V - 240 V	1,2 Nm	20 rpm	55 mm	250 mm	5 m	45W	0,23 A

Suitable Applications

- Curtains

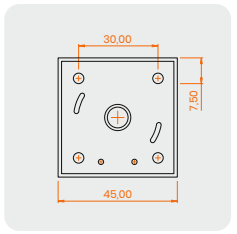
Luna Motors
Indoor Shading | Curtains

BGLE-980

Electronic curtain motor with integrated rechargeable battery and radio control | 16 V DC | 55 Series | 1.2 Nm | 20 rpm | Quiet

- Bidirectional 16 V radio motor for curtain tracks with integrated Li-ion battery and automatic limit setting
- Automatic electronic limit setting
- Integrated Li-ion battery (4000 mAh)
- Integrated radio receiver
- Favourite position
- Low energy consumption
- Extra compact
- Quiet operation
- Bidirectional





Specifications

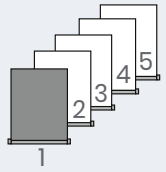
Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
BGLE-980	16 V	1,2 Nm	20 rpm	55 mm	415 mm		16W	1,1 A

Suitable Applications

- Curtains

Programming the First Remote Control / First Channel

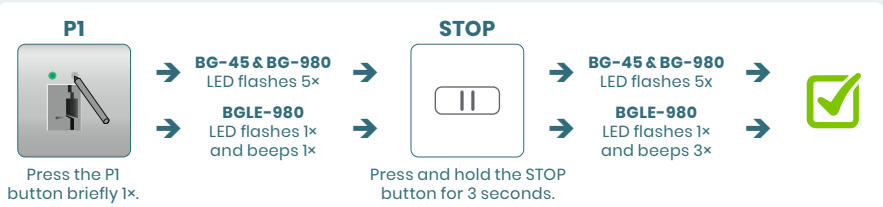
- The remote control can transmit on 15 channels and therefore control several motors. First, select the desired channel for the respective remote control/motor. Select an unused channel. We recommend one motor per channel.
- The remote control also has channel 0. All motors programmed on channels 1–15 are automatically assigned to channel 0 as well.
- If you discover after installation that you have programmed a product on the wrong channel, refer to **"Resetting to Factory Settings"**.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

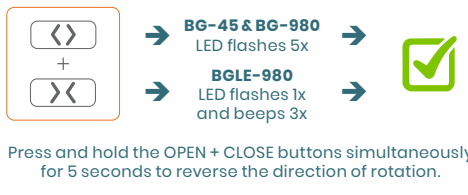
- If you do not start programming within 10 seconds, the motor exits programming mode.
- During programming, press each button briefly. If you hold it down for too long, the motor will abort the command.
- The motor confirms each completed step with an opening and closing movement.
- If a procedure does not go as planned, wait 20 seconds and start again.



If no end positions have been set, the motor moves in jog mode. Proceed to Step 3. If end positions have already been set, check the end positions. Warning: If the end positions are not set correctly, proceed to Option A.

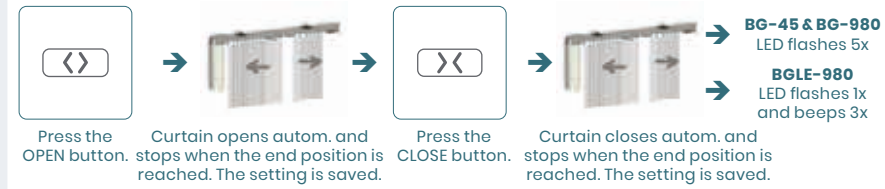
Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no end positions have been set.



Step 3 Setting the End Positions

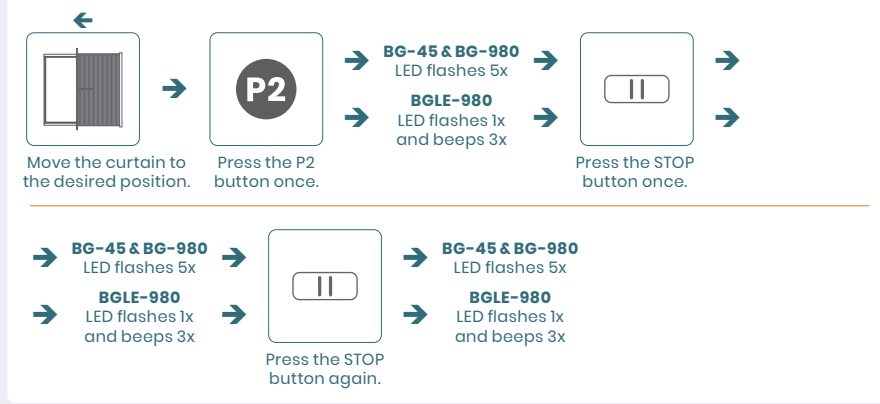
Note: Do not press the STOP button during the procedure. This will interrupt the installation.



The curtain is now ready for use.

If you are not satisfied with the result of the end position setting, proceed to Option A – Adjusting the Positions or to **"Resetting to Factory Settings"**.

Step 4 Setting the Favourite Position (if desired)



Press and hold the STOP button for 3 seconds to move to the favourite position.

As the curtain procedure is identical, repeat the steps to delete the favourite position.

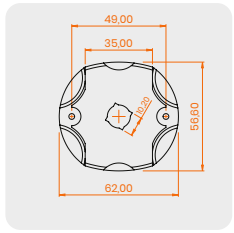
PENTA Motors
Indoor Shading |
BREL SMART BUILDING

PLE45-20

Electronic tubular motor with rechargeable battery, radio control and integrated SIM card | 12 V DC | 45 Series | 20 Nm | 10 rpm

- Integrated SIM card for direct communication with the BREL Smart Building Cloud
- Integrated temperature sensor
- Enables the implementation of dynamic sun shading concepts in accordance with ISO 52016-3
- Convenient electronic limit setting and additional motor settings via remote control or app
- Flexible radio control with a range of up to 25 m indoors and 100 m outdoors
- Wireless motorisation with integrated rechargeable battery





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
PLE45-20	12 V	20 Nm	10 rpm	45 mm	660 mm	170 mm	50 W	4,10 A

Suitable Applications

- Indoor Sun shading



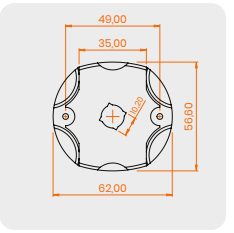
PENTA Motors
Mit Stecker | Outdoor Shading |
BREL SMART BUILDING

PAE45-20

Electronic tubular motor with rechargeable battery and radio control | 230 V AC | 45 Series | 20 Nm | 10 rpm | Including STAS3 connector

- Integrated SIM card for direct communication with the BREL Smart Building Cloud – independent of the local Wi-Fi network
- Integrated temperature sensor
- Enables the implementation of dynamic sun shading concepts in accordance with ISO 52016-3
- Convenient electronic limit setting and additional motor settings via remote control or app
- Flexible radio control with a range of up to 25 m indoors and 100 m outdoors
- Equipped with a factory-fitted, waterproof moulded STAS3 connector



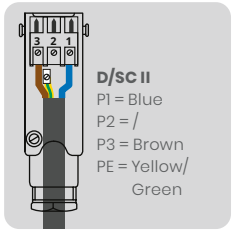


Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
PAE45-20	230 V	20 Nm	10 rpm	45 mm	660 mm	600 mm	50 W	4,10 A

Mögliche Anwendung

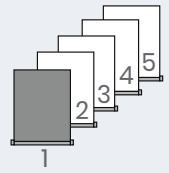
- Roller shutters
- Outdoor Sun shading



D/SC II
P1 = Blue
P2 = /
P3 = Brown
PE = Yellow/ Green

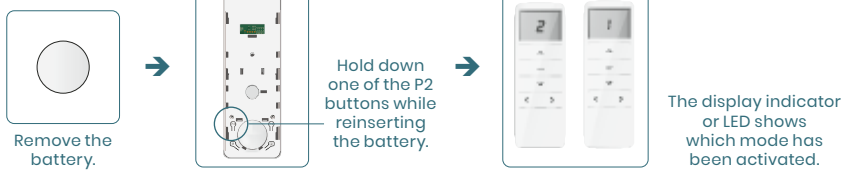
Programming the First Remote Control / First Channel

- The remote control can transmit on 15 channels and therefore control several motors. First, select the desired channel for the respective remote control/motor. Select an unused channel. We recommend one motor per channel.
- The remote control also has channel 0. All motors programmed on channels 1–15 are automatically assigned to channel 0 as well.
- If you discover after installation that you have programmed a product on the wrong channel, refer to **"Resetting to Factory Settings"**.



➔ **Select the desired channel.**

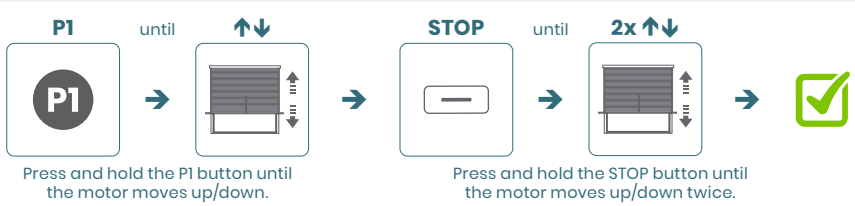
Step 1 Switching the Remote Control to Unidirectional Mode



- **THW2001 / TWW2001: Display "2" = unidirectional, display "1" = bidirectional.**
- **THW2015 / TWW2015: LED flashes once = unidirectional, LED flashes twice = bidirectional.**

Step 2 Establishing the Connection

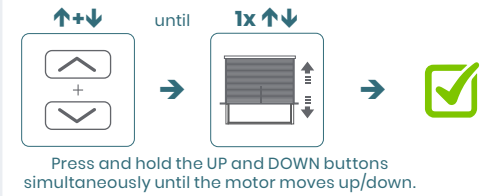
- If you do not start programming within 10 seconds, the motor exits programming mode.
- During programming, press each button briefly. If you hold it down for too long, the motor will interpret this as a command.
- The motor confirms each completed step with an up/down movement.
- If a procedure does not go as planned, wait 20 seconds and start again.



- **If no end positions have been set, the motor moves in jog mode. Proceed to Step 3. If end positions have already been set, check the end positions. Warning: If the end positions are not set correctly, refer to "Changing Settings" on page A.**

Step 3 Reversing the Direction of Rotation (if necessary)

Only possible if no end positions have been set.

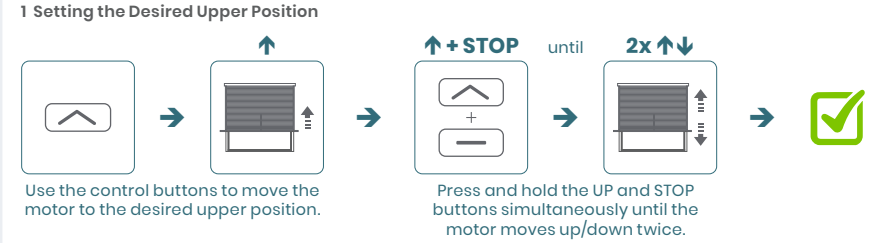


- **If there is no response, check whether the remote control is locked.**

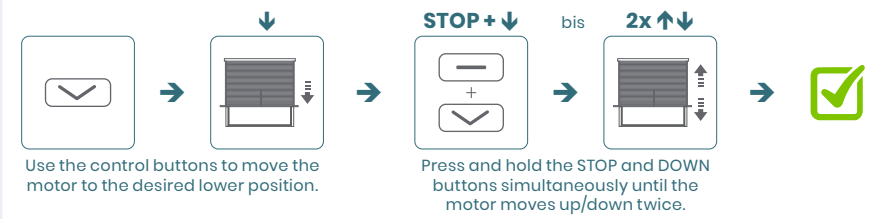
Step 4 Setting the End Positions

- To move the motor step by step, briefly press the UP or DOWN button.
- To move the motor continuously, press and hold the UP or DOWN button for 3 seconds. (Press STOP in good time.)

1 Setting the Desired Upper Position



2 Setting the Desired Lower Position



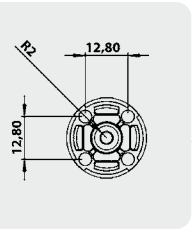
- **The motor is now ready for use.**

LL-SMI-24/0,9Nm VB

LL side motor | 24 V DC | Pancon connector | Application: Indoor Venetian blinds | Interface: SMI

- Easy operation via standard push buttons in switch mode
- Bidirectional communication (SMI technology) between the motor and motor controller
- Parallel operation:
  - Up to 16 SMI motors can be connected in parallel via the SMI bus
  - Individual motors can be operated via the SMI bus
- Synchronous operation of shading systems
- Electronically programmable upper and lower limit positions / Intermediate position memory
- Easy limit setting using the LL-Progset-ME24/SMI-24
- Obstacle detection / Braking function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01010050	24 V	0,9 Nm	30 rpm	24 mm	98,70 mm	-	12W	0,5 A

Suitable Applications

- Indoor Venetian Blinds

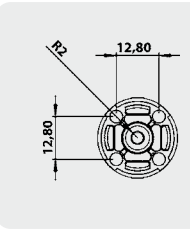
SMI Motors
Digital Motors I Indoor Shading

LL-SMI-24/0,9Nm VPB

LL side motor | 24 V DC | Pancon connector | Application: Pleated Blinds | Interface: SMI

- Easy operation via standard push buttons in switch mode
- Bidirectional communication (SMI technology) between the motor and motor controller
- Parallel operation:
  - Up to 16 SMI motors can be connected in parallel via the SMI bus
  - Individual motors can be operated via the SMI bus
- Synchronous operation of shading systems
- Electronically programmable upper and lower limit positions / Intermediate position memory
- Easy limit setting using the LL-Progset-ME24/SMI-24
- Obstacle detection / Braking function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01010030	24 V	0,9 Nm	15 rpm	24 mm	98,70 mm	-	12W	0,5 A

Suitable Applications

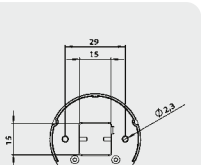
- Pleated Blinds

LL-SMI-24-24/0,9Nm RB

LL tubular motor | 24 V DC | JST connector | Application: Roller blinds | Interface: SMI

- Easy operation via standard push buttons in switch mode
- Bidirectional communication (SMI technology) between the motor and motor controller
- Parallel operation:
  - Up to 16 SMI motors can be connected in parallel via the SMI bus
  - Individual motors can be operated via the SMI bus
- Synchronous operation of shading systems
- Electronically programmable upper and lower limit positions / Intermediate position memory
- Easy limit setting using the LL-Progset-ME24/SMI-24
- Obstacle detection / Braking function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01010202	24 V	0,9 Nm	30 rpm	24 mm	177 mm	-	12W	0,5 A

Suitable Applications

- Roller blinds
- Sun shading



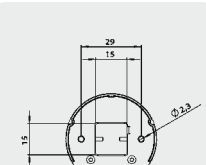
SMI Motors
Digital Motors I Indoor Shading

LL-SMI-24-24/0,9Nm RBQ

LL tubular motor | 24 V DC | JST connector | Extra quiet | Application: Roller blinds | Interface: SMI

- Easy operation via standard push buttons in switch mode
- Bidirectional communication (SMI technology) between the motor and motor controller
- Parallel operation:
  - Up to 16 SMI motors can be connected in parallel via the SMI bus
  - Individual motors can be operated via the SMI bus
- Synchronous operation of shading systems
- Electronically programmable upper and lower limit positions / Intermediate position memory
- Easy limit setting using the LL-Progset-ME24/SMI-24
- Obstacle detection / Braking function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01010206	24 V	0,9 Nm	15 rpm	24 mm	177 mm	-	12W	0,5 A

Suitable Applications

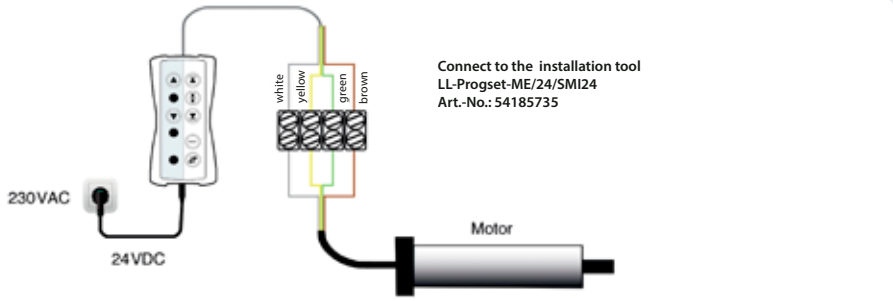
- Roller blinds
- Sun shading



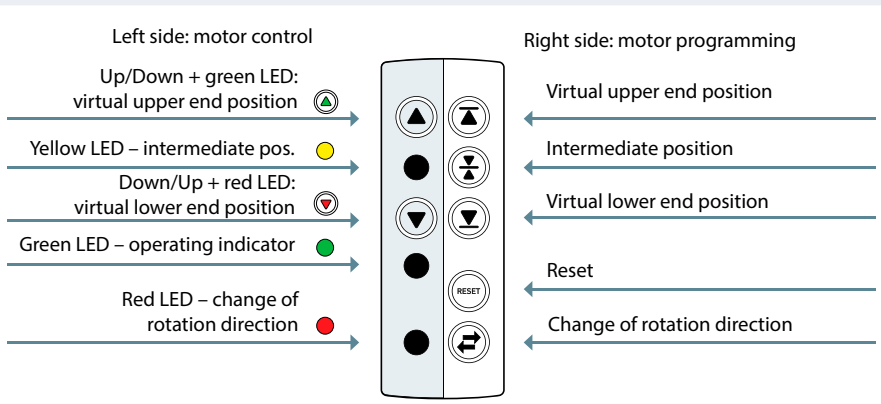
Installation Tool LL-Progset-ME24/ SMI24

Connecting to the installation tool (LL-Progset-ME24/SMI-24 / Art. No.: 54185735)

- Switch off the power supply.
- Connect the corresponding cable to the motor and the installation tool.
- It is important that the colours of the connection cables for the motor and installation tool are identical. Then connect the motor to the power supply via the installation tool. Switch on the power supply.
- The installation tool is not suitable for continuous operation and is only used for setting the end positions.



Description of the Installation Tool LL-Progset-ME 24 / SMI 24



- Off: Not set
- Flashing: Saving and executing
- On: Saved

- Off: No operating voltage
- On: 230 V power supply present

- Off: No change of DRW
- Flashing: DRW change in progress
- On: DRW change completed

Setting the End Positions

Download manual:

Note: During the installation phase, the motor operates with a reduced start-up delay until the end positions have been fully set.

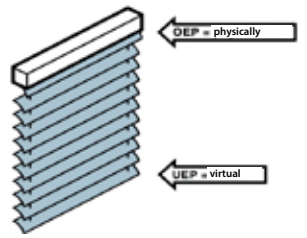
Combinations of electronic end position settings

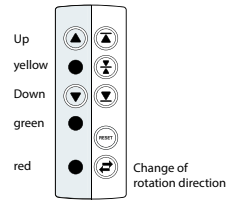
OEP = abbreviation for upper end position.

UEP = abbreviation for lower end position.

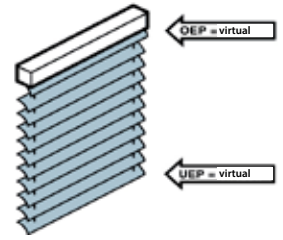
The following combinations of virtual / physical end positions are possible:

Physical – Virtual





Virtual – Virtual



The upper end position is physical. The lower end position is virtual.

Both end positions (upper and lower) are virtual.

Please refer to the installation manual for instructions on setting the end positions.

Saving the Intermediate Position

Note:
1.) The intermediate position can only be saved once the upper and lower end positions have been successfully stored.
2.) The saved intermediate position can be changed (overwritten) at any time.

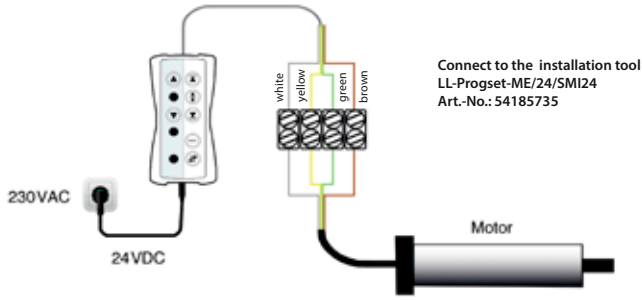
1	Press or hold ▽ △ x6 seconds = Self-hold function	→ Press the opposite button to stop the movement.	→ Press ▽ or △ 1x = change the slat position.
2	Press the button 1x to save	→ The yellow LED flashes while the intermediate position is being saved.	→ Once the process is complete, the yellow LED lights up continuously. The motor moves backwards briefly (short UP/DOWN movement).

For further settings (overwriting the intermediate position and motor reset), please refer to the installation manual.

Installation Tool LL-Progset-ME24/ SMI24

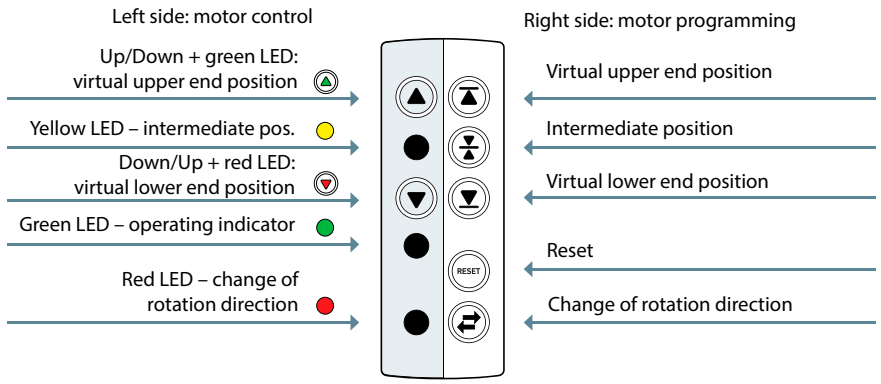
Connecting to the installation tool (LL-Progset-ME24/SMI-24 / Art. No.: 54185735)

- Switch off the power supply.
- Connect the corresponding cable to the motor and the installation tool.
- It is important that the colours of the connection cables for the motor and installation tool are identical. Then connect the motor to the power supply via the installation tool. Switch on the power supply.
- The installation tool is not suitable for continuous operation and is only used for setting the end positions.



Connect to the installation tool
LL-Progset-ME/24/SMI24
Art.-No.: 54185735

Description of the Installation Tool LL-Progset-ME 24 / SMI 24



Off: Not set
Flashing: Saving and executing
On: Saved

Off: No operating voltage
On: 230 V power supply present

Off: No change of DRW
Flashing: DRW change in progress
On: DRW change completed

Setting the End Positions

Download manual:

Note: During the installation phase, the motor operates with a reduced start-up delay until the end positions have been fully saved.

Setting the Lower End Position

1. Press and hold ▼ Button — Or: For precise positioning: press the button ▼ twice and then hold it down. → The motor moves downwards to the desired end position.
2. Press ▼ Button 1x → The red LED on the button ▼ flashes while the end position is being saved. → Once the process is complete, the red LED lights up continuously ▼. The motor makes a short UP/DOWN movement.

Setting the Upper End Position

1. Press and hold ▲ Button — Or: For precise positioning: press the button ▲ twice and then hold it down. → The motor moves upwards to the desired end position.
2. Press ▲ Button 1x → The green LED on the button ▲ flashes while the end position is being saved. → Once the process is complete, the green LED lights up continuously. ▲ The motor makes a short UP/DOWN movement.

The setting process is complete and the end positions have been saved.

Saving the Intermediate Position

Note:
1.) The intermediate position can only be saved once the upper and lower end positions have been successfully stored.
2.) The saved intermediate position can be changed (overwritten) at any time.

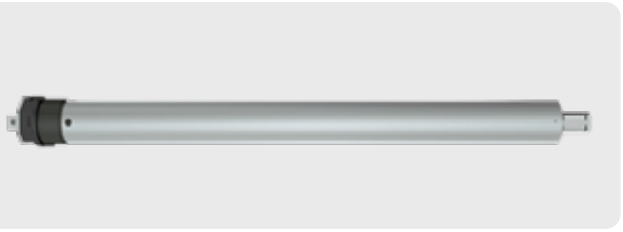
1. Press or hold ▼ ▲ x6 seconds = Self-hold function → Press the opposite button to stop the movement. → Press ▼ or ▲ 1x = change the slat position.
2. Press the button 1x to save → The yellow LED flashes while the intermediate position is being saved. → Once the process is complete, the yellow LED lights up continuously. The motor moves backwards briefly (short UP/DOWN movement).

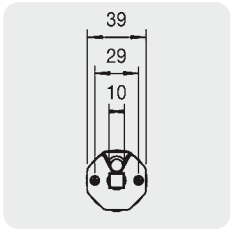
For further settings (overwriting the intermediate position and motor reset), please refer to the installation manual.

VL-SMI-WISO-230-35Q/6Nm

Electronic tubular motor for sun shading systems | 230 V AC | 35 Series | 6 Nm | 28 rpm | Extra quiet | SMI 3.0

- Motor with 35 mm tube diameter for sun shading systems
- Electronic limit setting
- Limit positions can be set virtually or physically (upper limit position)
- Intermediate position memory
- Parallel connection possible
- Anti-blocking function
- Easy limit setting using the VL-Progset-ME/SMI-230
- Resynchronisation of the physical limit positions
- 5 m white connection cable





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01067000	230 V	6 Nm	24 rpm	35 mm	685 mm	5 m	161 W	0,70 A

Suitable Applications

- Sun shading

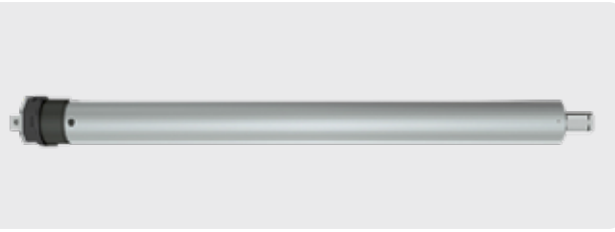


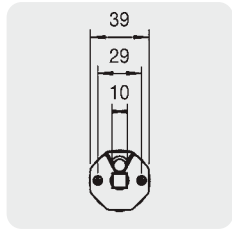
SMI Motors
Digital Motors I Outdoor Shading

VL-SMI-WISO-230-35Q/10Nm

Electronic tubular motor for sun shading systems | 230 V AC | 35 Series | 10 Nm | 17 rpm | Extra quiet | SMI 3.0

- Motor with 35 mm tube diameter for sun shading systems
- Electronic limit setting
- Limit positions can be set virtually or physically (upper limit position)
- Intermediate position memory
- Parallel connection possible
- Anti-blocking function
- Easy limit setting using the VL-Progset-ME/SMI-230
- Resynchronisation of the physical limit positions
- 5 m white connection cable





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01067100	230 V	10 Nm	17 rpm	35 mm	685 mm	5 m	156 W	0,68 A

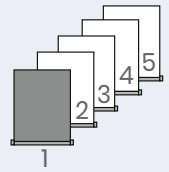
Suitable Applications

- Sun shading



Programming the First Remote Control / First Channel

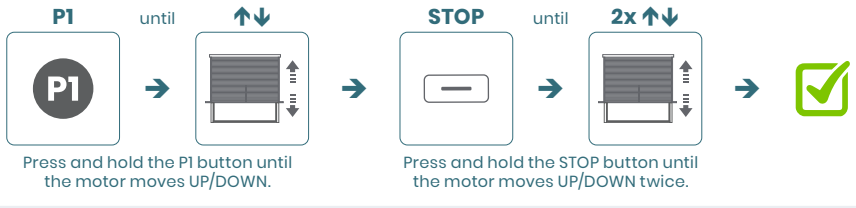
- The remote control can transmit on up to 15 channels and therefore control multiple motors. First, select the desired channel for the respective remote control / motor. We recommend using one motor per channel.
- The remote control has channel 0. All motors programmed on channels 1–15 are automatically included in channel 0.
- If you discover after installation that you have programmed the wrong channel, please refer to **"Restoring Factory Settings"**.



➔ **Select the desired channel.**

Step 1 Establishing the Connection

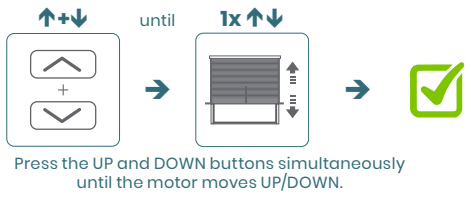
- If you do not start programming within 10 seconds, the motor will exit programming mode.
- During programming, press each button only briefly. Holding a button down for too long will cause the motor to interpret it as a command.
- The motor confirms each completed step with an UP and DOWN movement.
- If a procedure does not go as planned, wait 20 seconds and start again.



- **If No end positions have been set, the motor will operate in jog mode. Continue to Step 3. If end positions have already been set, check them. Warning: If the end positions are not correct, refer to "Changing Settings" on page A.**

Step 2 Reversing the Direction of Rotation (if necessary)

Only possible if no end positions have been set.

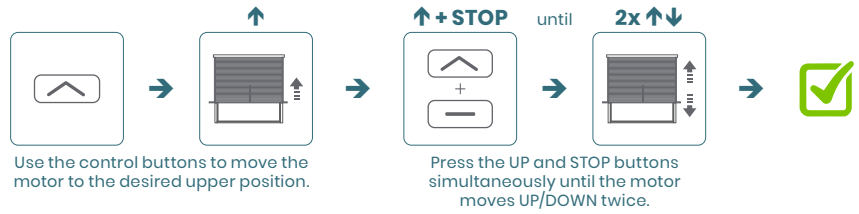


- **If there is no response, check whether the remote control is locked.**
- **The upper position is reached when the bottom rail rests against the headrail.**

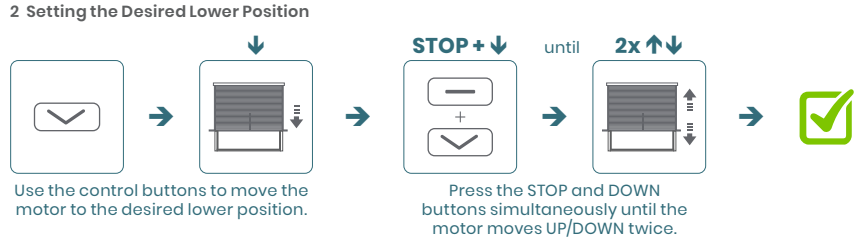
Step 3 Setting the End Positions

- To move the motor step by step: Briefly press the UP or DOWN button.
- To move the motor continuously: Press and hold the UP or DOWN button for 3 seconds (press STOP in time).
- Set the end positions approximately 3 cm before the upper or lower position to determine the final end position.

1 Setting the Desired Upper Position

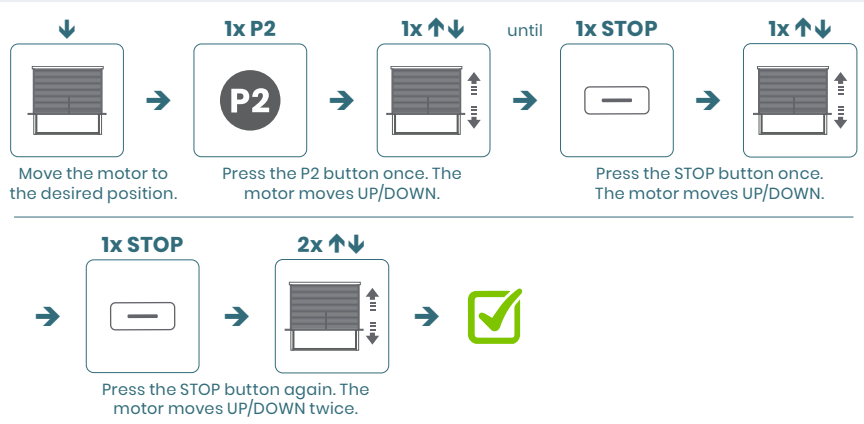


2 Setting the Desired Lower Position



- 5 seconds after setting the end positions, the motor moves against the resistance and then reverses.
- **The motor is now ready for operation.**

Step 4 Setting the Favourite Position (if desired)



- **Press and hold the STOP button for 3 seconds to move to the favourite position.**
- **Repeat this procedure to delete the favourite position.**

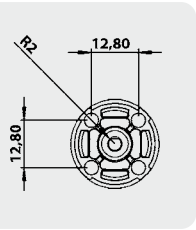
ME Motors
Mechanical Motors |
Indoor Shading

LL-ME-24/0,9Nm VB

LL side motor | 24 V DC | Pancon connector |
Application: Indoor Venetian blinds

- Easy operation via standard push buttons in switch mode
- Reduced motor speed during start and stop
- Parallel operation of up to 16 motors
- Synchronous operation of shading systems
- Electronically programmable upper and lower limit positions
- Intermediate position memory
- Easy limit setting using the LL-Progset-ME24/SMI-24
- Obstacle detection / Braking function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01010020	24 V	0,9 Nm	30 rpm	24 mm	93,7 mm	-	12W	0,5 A

Suitable Applications

- Indoor Venetian Blinds



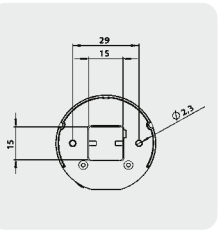
ME Motors
Mechanical Motors |
Indoor Shading

LL-ME-24-24/0,9Nm RB

LL tubular motor | 24 V DC | JST connector |
Application: Roller blinds

- Easy operation via standard push buttons in switch mode
- Reduced motor speed during start and stop
- Parallel operation of up to 16 motors (switch mode)
- Synchronous operation of shading systems
- Electronically programmable upper and lower limit positions
- Intermediate position memory
- Easy limit setting using the LL-Progset-ME24/SMI-24
- Obstacle detection / Braking function





Specifications

Order Code	Voltage	Torque	Speed	Diameter	Length	Cable	Power	Current
01010200	24 V	0,9 Nm	30 rpm	24 mm	177 mm	-	126 W	0,5 A

Suitable Applications

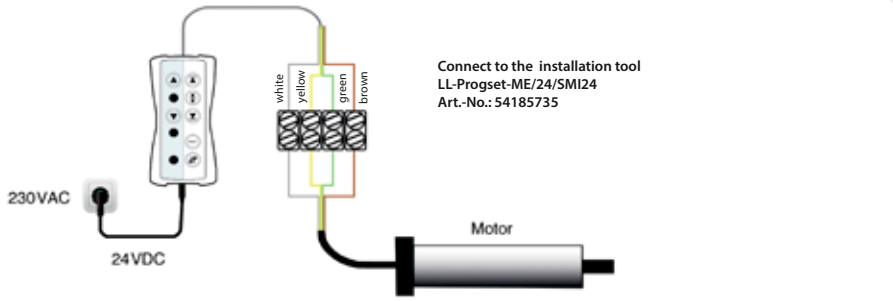
- Roller blinds
- Sun shading



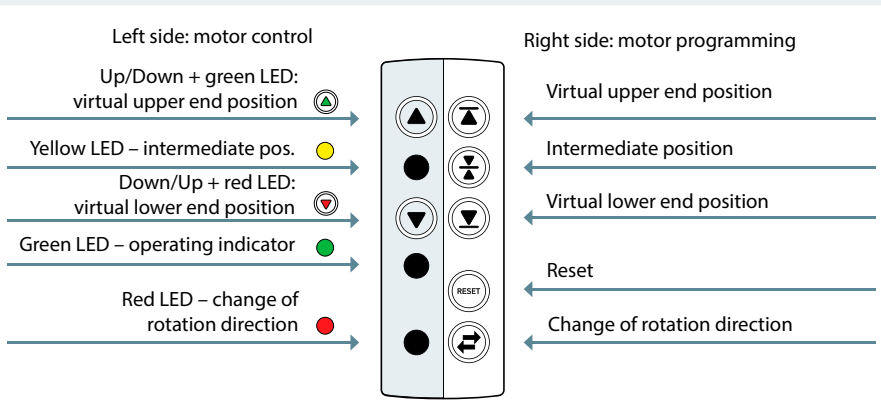
Installation Tool LL-Progset-ME24/ SMI24

Connecting to the installation tool (LL-Progset-ME24/SMI-24 / Art. No.: 54185735)

- Switch off the power supply.
- Connect the corresponding cable to the motor and the installation tool.
- It is important that the colours of the connection cables for the motor and installation tool are identical. Then connect the motor to the power supply via the installation tool. Switch on the power supply.
- The installation tool is not suitable for continuous operation and is only used for setting the end positions.



Description of the Installation Tool LL-Progset-ME 24 / SMI 24



- Off: Not set
- Flashing: Saving and executing
- On: Saved

- Off: No operating voltage
- On: 230 V power supply present

- Off: No change of DRW
- Flashing: DRW change in progress
- On: DRW change completed

Setting the End Positions

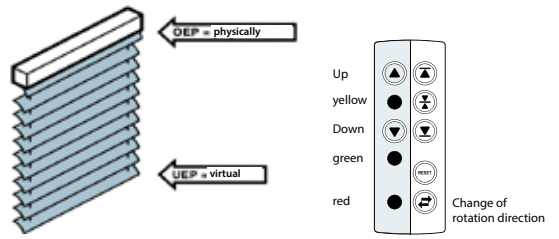
Download manual:

- **Note:** During the installation phase, the motor operates with a reduced start-up delay until the end positions have been fully set.

Combinations of electronic end position settings

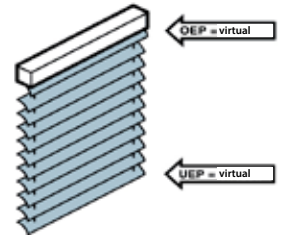
OEP = abbreviation for upper end position.
UEP = abbreviation for lower end position.
The following combinations of virtual / physical end positions are possible:

Physical – Virtual



The upper end position is physical.
The lower end position is virtual.

Virtual – Virtual



Both end positions (upper and lower) are virtual.

- Please refer to the installation manual for instructions on setting the end positions.

Saving the Intermediate Position

- **Note:**
  1.) The intermediate position can only be saved once the upper and lower end positions have been successfully stored.
  2.) The saved intermediate position can be changed (overwritten) at any time.

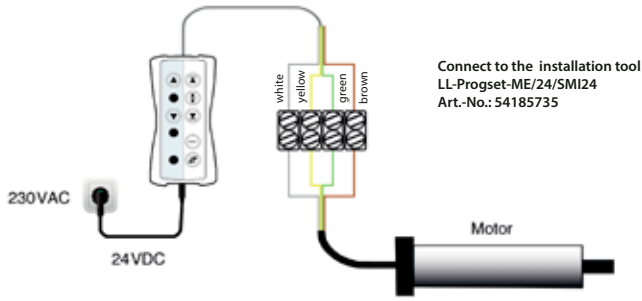
1	Press or hold ▼ ▲ x6 seconds = Self-hold function	→ Press the opposite button to stop the movement.	→ Press ▼ or ▲ 1x = change the slat position.
2	Press the button 1x to save	→ The yellow LED flashes while the intermediate position is being saved.	→ Once the process is complete, the yellow LED lights up continuously. The motor moves backwards briefly (short UP/DOWN movement).

- For further settings (overwriting the intermediate position and motor reset), please refer to the installation manual.

Installation Tool LL-Progset-ME24/ SMI24

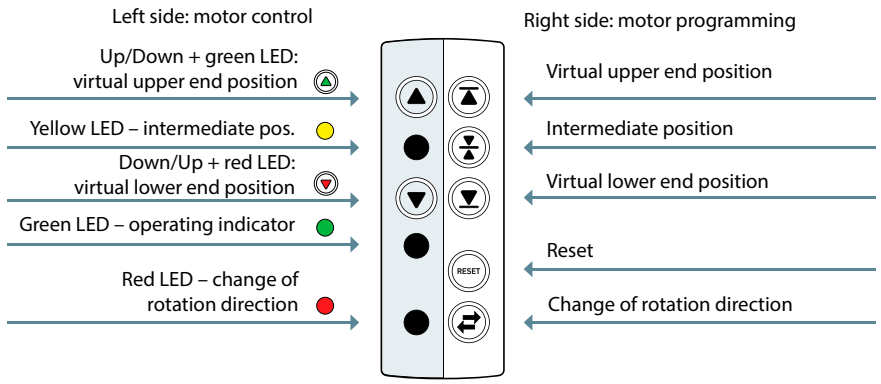
Connecting to the installation tool (LL-Progset-ME24/SMI-24 / Art. No.: 54185735)

- Switch off the power supply.
- Connect the corresponding cable to the motor and the installation tool.
- It is important that the colours of the connection cables for the motor and installation tool are identical. Then connect the motor to the power supply via the installation tool. Switch on the power supply.
- The installation tool is not suitable for continuous operation and is only used for setting the end positions.



Connect to the installation tool
LL-Progset-ME/24/SMI24
Art.-No.: 54185735

Description of the Installation Tool LL-Progset-ME 24 / SMI 24



Off: Not set
Flashing: Saving and executing
On: Saved

Off: No operating voltage
On: 230 V power supply present

Off: No change of DRW
Flashing: DRW change in progress
On: DRW change completed

Setting the End Positions

Download manual:

Note: During the installation phase, the motor operates with a reduced start-up delay until the end positions have been fully saved.

Setting the Lower End Position

1. Press and hold ▼ Button — Or: For precise positioning: press the button ▼ twice and then hold it down. → The motor moves downwards to the desired end position.
2. Press ▼ Button 1x → The red LED on the button ▼ flashes while the end position is being saved. → Once the process is complete, the red LED lights up continuously ▼. The motor makes a short UP/DOWN movement.

Setting the Upper End Position

1. Press and hold ▲ Button — Or: For precise positioning: press the button ▲ twice and then hold it down. → The motor moves upwards to the desired end position.
2. Press ▲ Button 1x → The green LED on the button ▲ flashes while the end position is being saved. → Once the process is complete, the green LED lights up continuously. ▲ The motor makes a short UP/DOWN movement.

The setting process is complete and the end positions have been saved.

Saving the Intermediate Position

Note:
1.) The intermediate position can only be saved once the upper and lower end positions have been successfully stored.
2.) The saved intermediate position can be changed (overwritten) at any time.

1. Press or hold ▼ ▲ x6 seconds = Self-hold function → Press the opposite button to stop the movement. → Press ▼ or ▲ 1x = change the slat position.
2. Press the button 1x to save → The yellow LED flashes while the intermediate position is being saved. → Once the process is complete, the yellow LED lights up continuously. The motor moves backwards briefly (short UP/DOWN movement).

For further settings (overwriting the intermediate position and motor reset), please refer to the installation manual.

The right Control for Every Application

BREL Vestamatic GROUP

Smart Control with BREL Accessories

BREL Vestamatic Group offers a wide range of remote controls that allow consumers to operate their sun shading systems easily and comfortably. The control system can be fully customised to the user's individual needs. In addition, the entire system can be integrated into a smart home system via a hub.

These solutions make it possible to control sun shading systems remotely – from the living room, the garden or even while on the move. This makes everyday life more comfortable and at the same time ensures greater security, convenience and a modern living experience.

Convenient Control Made Easy

Luxurious
Remote Controls

THB3001
1 Channel Handheld Transmitter Luxurious | Black



- The black 1-channel handheld transmitter is suitable for all BREL motor types
- For wireless operation
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THB3001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

THB3015
15 Channel Handheld Transmitter Luxurious | Black



- The black 15-channel handheld transmitter is suitable for all BREL motor types
- For wireless individual or group control via channel 0
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THB3015	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Luxurious
Remote Controls

THW3001
1 Channel Handheld Transmitter Luxurious | White



- The white 1-channel handheld transmitter is suitable for all BREL motor types
- For wireless operation
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW3001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

THW3015
15 Channel Handheld Transmitter Luxurious | White



- The white 15-channel handheld transmitter is suitable for all BREL motor types
- For wireless operation
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW3015	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Luxurious
Remote Controls

TWW3001
1 Channel Wall Transmitter Luxurious | White



- The white 1-channel wall transmitter is suitable for all BREL motor types
- For wireless operation
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
TWW3001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

TWW3015
15 Channel Wall Transmitter Luxurious | White



- The white 15-channel wall transmitter is suitable for all BREL motor types
- For wireless individual or group control via channel 0
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
TWW3015	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Standard
Remote Controls

THW2001
1 Channel Handheld Transmitter Standard | White



- The white 1-channel handheld transmitter is suitable for all BREL motor types
- For wireless operation
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW2001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

THW2015
15 Channel Handheld Transmitter Standard | White



- The white 15-channel handheld transmitter is suitable for all screen and roller shutter motors
- For wireless individual or group control via channel 0
- Handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW2015	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Standard
Remote Controls

TWW2001
1 Channel Wall Transmitter Standard | White



- The white 1-channel wall transmitter is suitable for all BREL motor types
- For wireless operation
- Handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
TWW2001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

TWW2015
15 Channel Wall Transmitter Standard | White



- The white 15-channel wall transmitter is suitable for all BREL motor types
- For wireless individual or group control via channel 0
- Wall transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
TWW2015	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Standard | With Special Function
Remote Controls

THW2415
15 Channel Handheld Transmitter Standard for Sun and Wind Sensors | White



- The white 15-channel handheld transmitter with sun function is suitable for all BREL motor types
- Specially designed for products connected to a sun and wind sensor
- The convenient ON/OFF button allows the sun function of the sun and wind sensor to be activated or deactivated
- For wireless individual or group control via channel 0
- Handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW2415	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

THW2701
1 Channel Handheld Transmitter Standard for TL45 and TLL45 | White



- The white 1-channel handheld transmitter is suitable for TL45 and TLL45
- For wireless operation
- Handheld transmitter with UP, STOP and DOWN buttons as well as buttons for controlling the LED lighting
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW2701	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Basic
Remote Controls

THW1001

1 Channel Handheld Transmitter Basic for Bidirectional BREL Motors | White



- The white 1-channel handheld transmitter is suitable for all bidirectional BREL motor types
- For wireless operation
- Basic handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW1001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

THW1005

5 Channel Handheld Transmitter Basic for Bidirectional BREL Motors | White



- The white 5-channel handheld transmitter is suitable for all bidirectional BREL motor types
- For wireless individual or group control via the dedicated group channel
- Handheld transmitter with UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Frequency	Transmission Power	Range
THW1005	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

Basic
Remote Controls

TMB1001

1 Channel Handheld Transmitter Basic Mini | Black



- The black mini handheld transmitter is suitable for all BREL motor types when used in combination with a Standard or Luxurious transmitter
- Fits easily into a trouser pocket or handbag
- Easily attaches to a keyring using the metal ring

Order Code	Battery	Frequency	Transmission Power	Range
TMB1001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

TMW2001

1 Channel Handheld Transmitter Basic Mini | White



- The white mini handheld transmitter is suitable for all BREL motor types when used in combination with a Standard or Luxurious transmitter
- Fits easily into a trouser pocket or handbag
- Easily attaches to a keyring using the metal ring

Order Code	Battery	Frequency	Transmission Power	Range
TMW2001	3v (CR2450)	433,925 MHz	10 mW	20 - 100 m

TDBU/TR
Remote Controls

THW3115

15 Channel Handheld Transmitter Luxurious for Top-Down-Bottom-Up and Triangle Motors | White



- Suitable for Top-Down-Bottom-Up and triangular motors for pleated blinds
- For wireless individual or group control via channel 0
- Handheld transmitter with 2 sets of UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THW3115	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

THB3115

15 Channel Handheld Transmitter Luxurious for Top-Down-Bottom-Up and Triangle Motors | Black



- The black 15-channel TDBU handheld transmitter is suitable for the patented, registered Top-Down-Bottom-Up and triangular motors for pleated blinds
- For wireless individual or group control via channel 0
- Handheld transmitter with 2 sets of UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THB3115	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

TDBU/TR
Remote Controls

THW2115

15 Channel Handheld Transmitter Luxurious for Top-Down-Bottom-Up and Triangle Motors | White



- The white 15-channel TDBU handheld transmitter is suitable for the patented, registered Top-Down-Bottom-Up and triangular motors for pleated blinds
- For wireless individual or group control via channel 0
- Handheld transmitter with 2 sets of UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THW2115	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

Curtains
Remote Controls

THW3215

15 Channel Handheld Transmitter Luxurious for All BREL Curtain Motors | White



- The white 15-channel handheld transmitter for curtains is suitable for all BREL curtain motors
- For wireless individual or group control via channel 0
- Handheld transmitter with 2 sets of UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THW3215	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

THW2215

15 Channel Handheld Transmitter Standard for All BREL Curtain Motors | White



- The white 15-channel handheld transmitter for curtains is suitable for all BREL curtain motors
- For wireless individual or group control via channel 0
- Handheld transmitter with 2 sets of UP, STOP and DOWN buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THW2215	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

Tilt & Lift
Remote Controls

THW2501

1 Channel Handheld Transmitter Standard for Tilt & Lift | White



- The white 1-channel Tilt & Lift handheld transmitter is suitable for all BREL motors and has been specially developed for Venetian blinds
- For wireless operation
- Handheld transmitter with UP, STOP and DOWN buttons as well as 2 channel buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THW2501	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

THW2515

15 Channel Handheld Transmitter Standard for Tilt & Lift | White



- The white 15-channel Tilt & Lift handheld transmitter is suitable for all BREL motors and has been specially developed for Venetian blinds
- For wireless individual or group control via channel 0
- Handheld transmitter with UP, STOP and DOWN buttons as well as 2 channel buttons
- Supplied with battery and wall bracket

Order Code	Battery	Lebensdauer	Frequency	Transmission Power	Range
THW2515	3v (CR2450)	2 Jahre	433,925 MHz	10 mW	20 - 100 m

WISO Quattro

Control unit for 1 sun shading circuit with touchscreen display and separate operating and power units



- Connection of sensors for wind, rain/frost, light intensity (LUX) and temperature
- For manual and automatic control of awnings, Venetian blinds or roof windows

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01816400	230VAC, 50 Hz	2,5 kv	2 W	IP30	3v (CR 2032)

WISO Time

Control unit for 1 sun shading circuit with separate operating and power units



- Connection of sensors for wind, rain/frost, light intensity (LUX) and temperature
- For manual and automatic control of awnings, Venetian blinds or roof windows

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01817100	230VAC, 50 Hz	2,5 kv	2 W	IP40	3v (CR 2032)

Automation
WISO Controls

UNI 22

Control unit for 2 sun shading circuits with integrated operating and power units



- Connection of sensors for wind, rain/frost, light intensity (LUX) and temperature
- For manual and automatic control of awnings, Venetian blinds, roller shutters and roof windows

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01093310	230VAC, 50 Hz	2,5 kv	6 W	IP30	-

UNI 12

Control unit for 1 sun shading circuit with integrated operating and power units



- Connection of sensors for wind, rain/frost, light intensity (LUX) and temperature
- For manual and automatic control of awnings, Venetian blinds, roller shutters and roof windows

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01093510	230VAC, 50 Hz	2,5 kv	6 W	IP30	-

Automation
WISO Controls

Touch Centre XL 4C Wired

Control unit for 4 sun shading circuits with separate operating and power units



- Connection options for 2 wind sensors, 8 light sensors (LUX), 1 rain sensor, 2 temperature sensors and a radio-controlled clock to the control box
- 4-channel control system for individual control of all types of sun shading systems
- Communication between the control box and display unit via a 4-wire RS485 connection (4 × 0.8 mm²)
- Colour touchscreen display with intuitive icons

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01080212	230VAC, 50 Hz	2,5 kv	10 W	IP20	3v (CR 2032)

Automation
Time Receiver

Vesta Home Funktimer

Flush-mounted timer with various operating programmes and integrated radio receiver



- Connection of sensors for wind, rain/ frost and light intensity (LUX)
- Suitable for controlling roller shutters and sun shading systems in combination with 230 V motors or motor control units

Order Code	Operating Voltage	Frequency	NennPower	IP Rating	Battery
01824005	230VAC, 50 Hz	433,05-434,79 MHz	500 W	IP30	-

Time Control

Flush-mounted timer with various operating programmes



- For manual and automatic control of electrically operated roller shutters
- For use in combination with 230 V motors or motor control units

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01813330	230VAC, 50 Hz	2,5 kv	2 W	IP40	3v (CR 2032)

Automation
Time Receiver

Quattro

Flush-mounted timer with various operating programmes



- For manual and automatic control of electrically operated roller shutters
- For use in combination with 230 V motors or motor control units

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01813400	230VAC, 50 Hz	2,5 kv	2 W	IP30	3v (CR 2032)

Quattro ZE

Flush-mounted timer with touchscreen display, central control input and various operating programmes



- For manual and automatic control of electrically operated roller shutters and Venetian blinds
- For use in combination with 230 V motors or motor control units

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01813200	230VAC, 50 Hz	2,5 kv	2 W	IP30	3v (CR 2032)

Automation
Motor Controls

IF SMI Modbus MS / TP

Motor control unit for 16 SMI drives, 230 VAC | Interface: SMI / Modbus MS/TP RS485 | DIN rail mounting



- Motor control unit for DIN rail mounting
- For controlling up to 16 SMI motors
- Converts Modbus commands into SMI commands
- Simultaneous operation of all connected SMI motors using the UP/DOWN buttons on the module
- The display simplifies configuration directly on the device
- Easy menu navigation using the buttons on the module

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01092130	230VAC, 50Hz	2,5 kv	2 W	IP20	-

MC P4 Modbus MS / TP Complete

Motor control unit with operating modes for 4 drives, featuring individual, group and central control, 230 VAC



- Interface: Modbus MS/TP and RS485
- Microprocessor-controlled motor control unit for controlling up to four roller shutter or sun shading motors. Suitable for Venetian blinds (factory setting), indoor and outdoor sun shading systems and roller shutters
- Supplied in a surface-mounted Housing, including cable gland with strain relief

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01077525	230VAC, 50 Hz	2,5 kv	2,6 W	IP54	-

MC P2

Motor control unit with operating modes for 2 drives, featuring individual, group and central control, 230 VAC



- Microprocessor-controlled motor control unit for two sun shading drives
- Standard 3-wire central control input
- Direct connection of two 230 VAC motors
- Connection options for two individual control switches
- 8 selectable operating modes, including jog mode and intelligent decentralised operation

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01077010	230VAC, 50 Hz	2,5 kv	1,8 W	IP40	-

MC P1 FMT

Motor control unit with operating modes for 1 drive, featuring individual and central control, 230 VAC | Flush-mounted



- Microprocessor-controlled motor control unit for one sun shading drive
- Standard 3-wire central control input
- Direct connection of one 230 VAC motor
- Connection option for one individual control switch
- Separate terminals for mains power and central control loop-through connections
- Selectable operating modes: jog mode and direct operation

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01077116	230VAC, 50 Hz	2,5 kv	< 0,5 W	IP20	-

Automation
Motor Controls

MC R4

Motor control unit for 4 drives with individual and group control, 230 VAC



- Motor control unit for four sun shading drives
- Standard 3-wire central control input
- Direct connection of four 230 VAC motors
- Connection options for four mechanically interlocked individual control switches or one group control switch
- Separate terminals for forwarding central control commands, group control commands and mains power output

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01040523	230VAC, 50Hz	2,5 kv	1,8 W	IP54	-

DC209

Relay for 1 motor with individual or group command, 230 VAC



- Motor relay control for one shading system motor
- Individual or group command

Order Code	Operating Voltage	IP Rating	Battery
DC209	230VAC, 50 Hz	IP20	-

MC TR 2S/MR

Relay for 2 drives with individual or group control, 230 V | DIN rail mounting



- Relay for connecting 2 tubular motors in parallel to a single control unit or an interlocked switch
- Connection option for one interlocked individual control switch per drive
- Designed for mounting on standard 35 mm DIN rails in cable ducts or control cabinets

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01054520	230VAC, 50 Hz	2,5 kv	< 1 W	IP20	-

MC TR 2S FMT

Relay for 2 drives with individual or group control, 230 V | Flush-mounted



- Relay for connecting 2 tubular motors in parallel to a single control unit or an interlocked switch
- Connection option for one interlocked individual control switch per drive
- Designed for individual installation in a 55 mm flush-mounted box with a deep wiring compartment

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01054230	230VAC, 50 Hz	2,5 kv	< 1 W	IP20	-

Automation
Motor Controls

MC TR 2S

Relay for 2 drives with individual or group control, 230 V | In Housing



- Relay for connecting 2 tubular motors in parallel to a single control unit or an interlocked switch
- Connection option for one interlocked individual control switch per drive
- Splash-proof junction box
- Designed for individual installation in a 55 mm flush-mounted box with a deep wiring compartment

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01054220	230VAC, 50Hz	2,5 kv	< 1 W	IP54	-

MC TR 2A

Relay for 2 drives with group control, 230 V | In Housing



- Relay for connecting 2 tubular motors in parallel to a single control unit or an interlocked switch
- Splash-proof junction box
- Designed for individual installation in a 55 mm flush-mounted box with a deep wiring compartment

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01054120	230VAC, 50 Hz	2,5 kv	< 1 W	IP54	-

MC TR 1 PF

Relay for electrical isolation between 2 devices with non-potential-free connections, providing a potential-free output, 230 V | In Housing



- Relay for electrical isolation between devices with non-potential-free connections
- Splash-proof junction box
- Installation in a 55 mm flush-mounted box with a deep wiring compartment is possible

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01054720	230VAC, 50 Hz	2,5 kv	< 1 W	IP54	-

MC TR +/-

Relay with 5 A switching capacity for reversing the polarity of DC drives | In Housing



- Relay for controlling one or more DC drives whose direction of rotation is controlled by reversing the polarity
- Splash-proof junction box
- Installation in a 55 mm flush-mounted box with a deep wiring compartment is possible

Order Code	Operating Voltage	Rated Impulse Voltage	Power	IP Rating	Battery
01054820	230VAC, 50 Hz	2,5 kv	< 1 W	IP54	-

Notes



Always Connected, Everywhere

BREL Vestamatic GROUP

HUB's

HUB-04

Home Box Matter

The HUB-04 is the BREL interface for integrating sun shading systems into a Matter-based smart home environment. BREL Matter motors can be connected to platforms such as Apple Home, Google Home, Amazon Alexa and SmartThings.

Setup and management are carried out via the BREL Matter app. Sun shading systems can then be connected to other smart home components and integrated into automated routines and scenes.



- For BREL Matter motors
- Works with Apple Home, Google Home, Alexa and SmartThings
- Control via app, voice commands and scenes
- Easy smart home integration
- Compact hub with Wi-Fi connectivity

matter

Home Box Matter is Compatible with the BREL Matter App

With the HUB-04, BREL Sun Shading becomes part of a modern Matter smart home. The compact hub connects BREL motors to the Matter ecosystem, providing the foundation for convenient control across different manufacturers.

Specifications

Order Code	Dimensions	Connection	Internet	Frequency
HUB-04	75 x 31 x 75 mm	USB-C	2.4 GHz Wifi	433,92 MHz

Notes



Smart Control. Endless Possibilities.

BREL Vestamatic GROUP

Complementary Products

RB400
Signal Repeater



- Bidirectional USB repeater/software
- For use in combination with DC-220

Order Code	Dimensions	Power Supply
RB400	65 x 25 x 5 mm	USB-A

RW100
Individual Receiver



- For installation in a standard flush-mounted box

Order Code	Dimensions	Voltage
RW100	45 x 50 x 25 mm	230 V

Complementary Products

RW101
Individual Receiver for Lighting



- For installation in a standard flush-mounted box

Order Code	Dimensions	Voltage
RW101	45 x 50 x 25 mm	230 V

RW330
Transmitter with Potential-Free Contact



- Transmitter with potential-free contact | Domotica

Order Code	Dimensions	Voltage
RW330	65 x 45 x 22 mm	12/24 V

Complementary Products

RW340
Bidirectional Receiver



- Separate bidirectional receiver

Order Code	Dimensions	Voltage
RW340	120 x 35 x 23 mm	230 V

RW350
Vibration Sensor



- Bidirectional vibration sensor | White

Order Code	Dimensions	Power Supply
RW350	150 x 40 x 26 mm	Battery AAA

Complementary Products

RB350
Vibration Sensor



- Bidirectional vibration sensor | Black

Order Code	Dimensions	Power Supply
RW350	150 x 40 x 26 mm	Battery AAA

RW500
Dongle for Benthin IQ3 Motor



Order Code	Voltage	Frequency	Temperatur
RW500	DC 3V	433,05 – 434,79 MHz	-20 ~ 65 °C

Complementary Products

RW231
Light Sensor | Indoor Installation



- Light sensor for indoor installation
- With suction cup
- Window mounting
- 3 operating modes

Order Code	Dimensions	Power Supply
RW231	60 x 60 x 20 mm	Battery AAA

RW230
Sun and Wind Sensor



- Wireless sun and wind sensor

Order Code	Dimensions	Voltage
RW230	265 x 125 x 85 mm	5 V

Complementary Products

RW220
Sun and Wind Sensor



- Sun and wind sensor | 230 V

Order Code	Dimensions	Voltage
RW220	250 x 105 x 75 mm	230 V

LS 30 PRO
Light sensor with 5 m cable, white, for outdoor installation | Including mounting bracket



- Light sensor for measuring daylight intensity
- Suitable for outdoor installation
- Light detection angle of approx. 120°

Order Code	Dimensions	Voltage
01161210	85 x 27,5 x 27,5 mm	5 V

Complementary Products

WS XS

Windgeschwindigkeitsmesser in Kunststoff mit 5m Cable, weiß



- Windsensor zur Messung der Windgeschwindigkeit
- Zur Montage auf Kunststoffbügel

Order Code	Dimensions
01100310	126 mm x Ø 123mm

WISO Crystal Station

Windsensor with integrated light sensor (LUX), including mounting bracket



- Combined wind and light sensor (LUX)
- Crystal shaft contains the light sensor
- Compatible with all BREL Vestamatic Group awning and Venetian blind control units

Order Code	Dimensions
01100336	100 x 184 mm

Complementary Products

Temp Sensor

Temperature sensor with cable | White | For use with WISO Quattro and WISO Time



- Sensor for measuring ambient temperature
- Thermistor in a plastic housing with cable outlet
- Resistant to water and moisture

Order Code	Dimensions	Powers-aufnahme
01816501	900 x 8 x 30 mm	max. 350 mW

RD -20°C V2.0

Precipitation sensor for detecting rain (down to -20°C), frost and snow (above -20°C)



- For protecting outdoor shading systems
- Heated sensor surface for reliable operation in winter conditions

Order Code	Dimensions	Voltage
010826	80 x 82 x 58 mm	12-24 V (+10%)

Complementary Products

RD +1°C V2.0

Precipitation sensor for detecting rain (down to -1°C) and frost (below -1°C)



- For protecting outdoor shading systems
- Heated sensor surface for reliable operation in winter conditions

Order Code	Dimensions	Voltage
010831	80 x 82 x 58 mm	12-24 V (+10%)

Luxsensor LS TQ

Light sensor with 1 m cable and suction cup | Connector for installation in the power supply unit or control unit



- Light sensor for measuring daylight intensity
- For indoor installation

Order Code	Cable Length	Voltage
01130130	1 m	< 10 V

Complementary Products

Luxsensor LS TQ

Light sensor with 3 m cable and suction cup | Connector for installation in the power supply unit or control unit



- Light sensor for measuring daylight intensity
- For indoor installation

Order Code	Cable Length	Voltage
01130330	3 m	< 10 V

The right Solution for Every System

BREL Vestamatic GROUP

Adapter Sets

In addition to the systems listed, we can also manufacture adapters for other systems upon request, such as Decora or Acmeda. We can also produce adapters for any tube system, provided that a sample is available.

Adaptation Benthin

Tube	15 mm Motor	20 mm Motor	25 mm Motor	28 mm Motor	35 mm Motor
alu 29	ABB29-15	ABB29-22	ABB29-25	ABB27-15	
alu 29R		ABBR29R-20	ABBR29R-25		
alu 32		ABB32-20			
alu 38		ABB38-22	ABB38-25	ABB38-28	
alu 43			ABB43-25	ABB43-28	
alu 44				ABB44-28	ABB44-35
alu 52			ABB52-25	ABB52-28	ABB52-35
alu 65				ABB65-28	ABB65-35
alu 75					ABB75-35
Motor Bracket	BRS-25M	BRS-20	BRS-25	BRS-28	BRS-35

Adaptation Hunter Douglas

Tube	25 mm Motor	28 mm Motor	35 mm Motor
alu 32.6	AHD32-25		
alu 36.9	AHD38-25		
alu 34.2	AHD34-25		
alu 40.2	AHD40-25		
alu 53.2	AHD50-25	AHD50-28	AHD50-35
Motor Bracket	BRS-25	BRS-28	BRS-35

Adaptation Vako

Tube	25 mm Motor	28 mm Motor	35 mm Motor
alu 38	AVA35-25	AVA38-28	
alu 43	AVA43-25	AVA43-28	
alu 44	AVA44-25		AVA44-35
alu 50			AVA50-35
Motor Bracket	BRCCA-25	BRCCA-28	BRCCA-35

Adaptation Coulisse

Tube	20 mm Motor	25 mm Motor	28 mm Motor	35 mm Motor	45 mm Motor
alu 25	ACC25-20				
alu 28	ACC28-20	ACC28-25			
alu 30	ACC30-20	ACC30-25			
alu 35	ACC35-20	ACC35-25			
alu 38	ACC38-20	ACC38-25	ACC38-28		
alu 42	ACC42-20	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	ACC80-45
Motor Bracket	BRCCA-20	BRCCA-20	BRCCA-25	BRCCA-35	

Adaptation Bayar

Tube	20 mm Motor	25 mm Motor
Tube 38	ABA38-22	ABA38-25
Tube 40	ABA40-22	ABA40-25
Motor Bracket	BRS-22	BRS-25

Adaptation Louvolite

Tube	15 mm Motor	20 mm Motor	25 mm Motor	28 mm Motor	35 mm Motor	Motor Bracket
alu 25	ALO25-15					
alu 32		ALO32-20	ALO32-25			**BRL-32**
alu 35		ALO35-20	ALO35-25			**BRL-40**
alu 40	ALO40-15	ALO40-20	ALO40-25	ALO40-28		**BRL-45**
alu 40HD			ALO40HD-25			
alu 45-2L			ALO45-25-2	ALO45-28-2		**BRL-45**
alu 45-3L			ALO45-25-3	ALO45-28-3		
alu 45HD			ALO45HD-25	ALO45HD-28		
alu 55			ALO55-25		ALO55-35	

Structure of the article codes AXXyy-zz
The abbreviations stand for:
A Adapter Sets
XX Brand code
yy Outer diameter of the tube
zz Motor diameter
This is followed by either **C** (crown – adapter on the motor) or **W** (wheel in the tube).

Adapter Sets



A8K40-35



A41-35



A50-35



A8k50-45



A8k60/63-45



A63-45



AZ63-45C



DZ-63C

Adapter Sets



A70-45



A8K70-45



A8K70-55



A78-45



AZ78-45C



A78-55



A79-45



A85-45

Adapter Sets



A85-55



A145



A155

Structure of the article codes AXXyy-zz
The abbreviations stand for:
A Adapter Sets
yy Outer diameter of the tube
zz Motor diameter
This is followed by either **C** (crown – adapter on the motor) or **W** (wheel in the tube).

Adapter Rings



V35-45
Adapter for Brel 35 mm motor to Brel 45 mm adapter



V35-45 UN
Adapter for Brel 35 mm motor to Brel 45 mm and universal adapter, 2 slots



V35-45 UN V2
Adapter for Brel 35 mm motor to Brel 45 mm and universal adapter, 1 slot



V45 UN
Adapter for Brel 45 mm motor to universal adapter



V55-59
Adapter for Brel 55 mm motor to Brel 59 mm adapter

Shaft Adapter

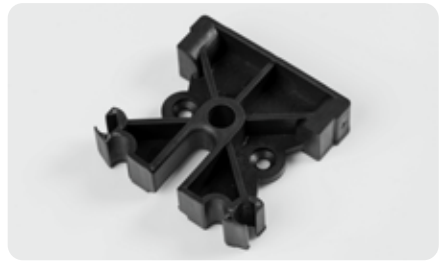


ASW35/45



ASW35/45 M

Complementary Products



BP-52



BP-52-2



VP-8K40



VC-W1



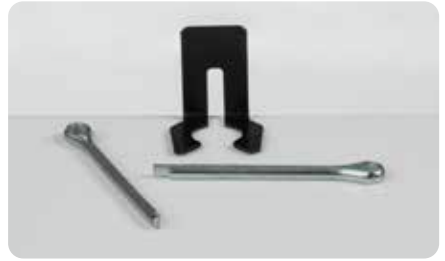
VC-W2W



VC-W2G



VC-W2B



Z-55

Complementary Products



Z-56



Z-57

v4k5

V4KA-VA



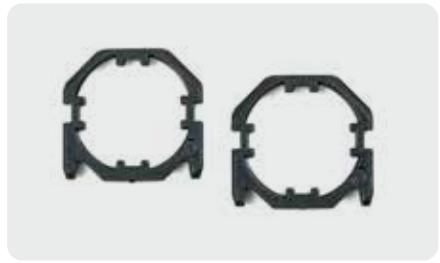
V6K5



V6K6



Z-75-4K5



BP-24

Complementary Products



BP-VA



V-A12-30

V-A12-50

Secure Mounting. Perfect Fit.

BREL Vestamatic GROUP

Bracket



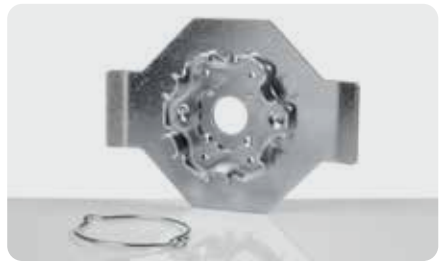
KR-35-E



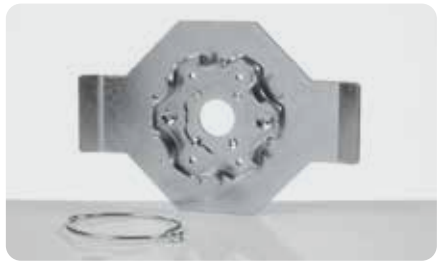
KR-35-S



KR-45



KR-137



KR-150



KR-165



KR-180



KR-205

Bracket



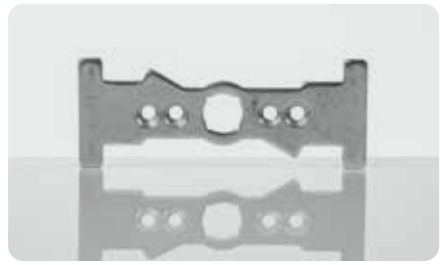
BZ-45



BZ-55



BR-85



BR-95



BW35



BW45

Accessories for Installation and Control

BREL Vestamatic GROUP

Charging Systems



DC-220



DC-221



DC-212



DC-213

Transformers



DC-202



DC-203



DC-232W



DC-233W

Cable



Z-42-02



Z-42-300M



z-41-001



Z-41-002



Z-41-025/50/100/200/500



Z-43-001



Z-43-002

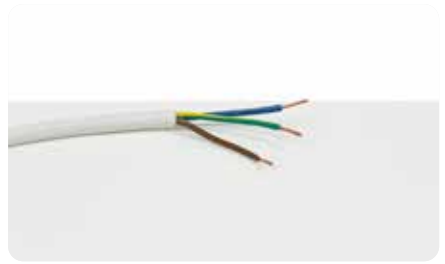


Z-43-003

Cable



Z-43-025/50/100/200/500



Z-33



Z-44



Z-40-300



Z-46-001



Z-46-025/50/100/200/500

Cable Assemblies
STAK3



Z-23-G



Z-23-B

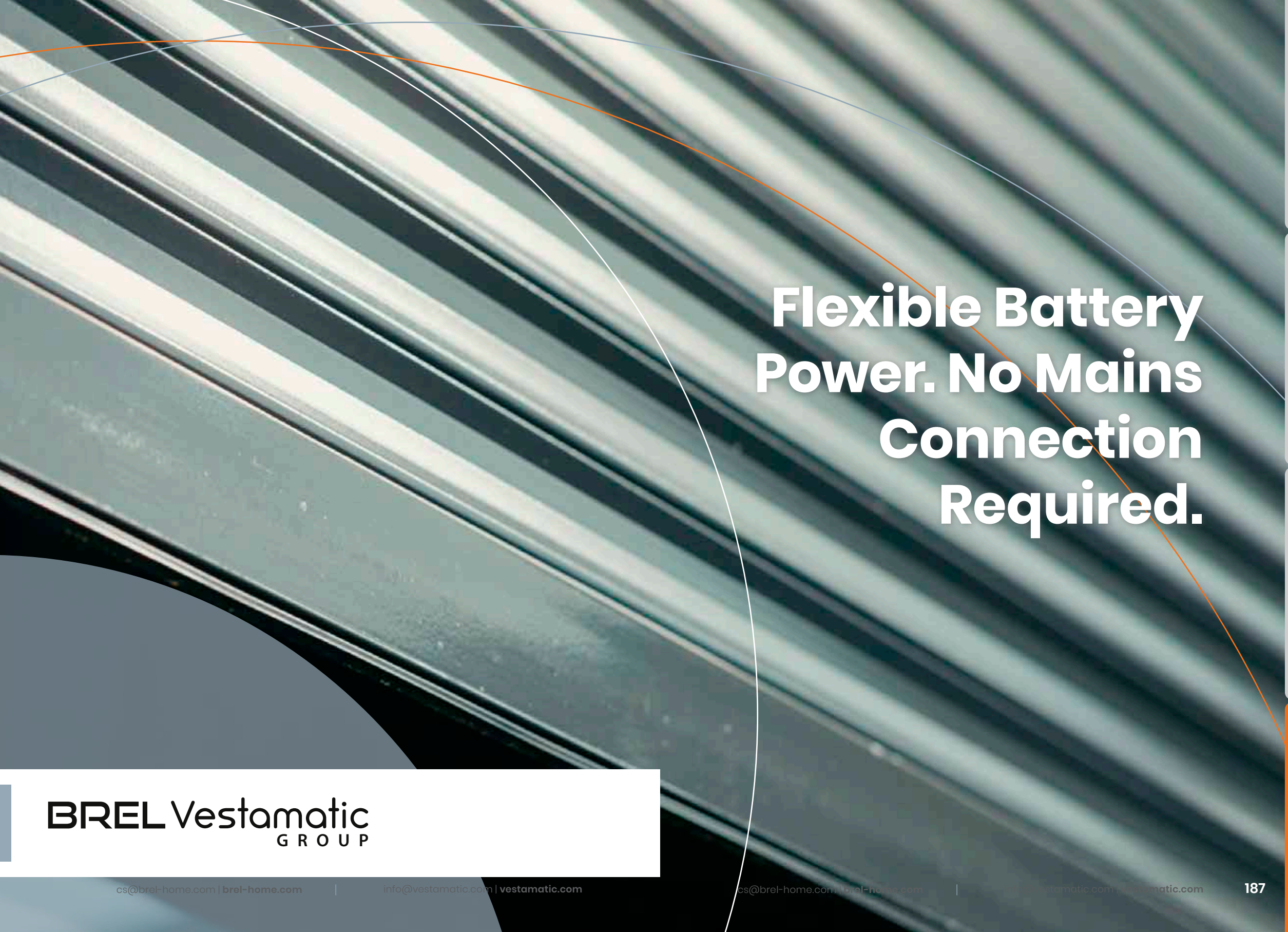
Cablekonfektion STAK3

Order Code	Connector Color	Length	Connection	Cable Color	Cable Type
Z-23-G-5HB	grey	5 m	screwed	black	halogen free
Z-23-G-5W	grey	5 m	screwed	white	standard
Z-23-G-5B	grey	5 m	screwed	black	standard
Z-23-G-10HB	grey	10 m	screwed	black	halogen free
Z-23-G-10W	grey	10 m	screwed	white	standard
Z-23-G-10B	grey	10 m	screwed	black	standard
Z-23-G-15W	grey	15 m	screwed	white	standard
Z-23-G-15HB	grey	15 m	screwed	black	halogen free
Z-23-G-15B	grey	15 m	screwed	black	standard
Z-23-B-10GB	black	10 m	moulded	black	standard
Z-23-B-5HB	black	5 m	screwed	black	halogen free
Z-23-B-5W	black	5 m	screwed	white	standard
Z-23-B-5B	black	5 m	screwed	black	standard
Z-23-B-10HB	black	10 m	screwed	black	halogen free
Z-23-B-10W	black	10 m	screwed	white	standard
Z-23-B-10B	black	10 m	screwed	black	standard
Z-23-B-15HB	black	15 m	screwed	black	halogen free
Z-23-B-15W	black	15 m	screwed	white	standard
Z-23-B-15B	black	15 m	screwed	black	standard

Programming Cables



Z-25



Flexible Battery Power. No Mains Connection Required.

BREL Vestamatic GROUP

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Lithium-Ion Batteries

DC-1201

Li-ion Battery



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1201	105 x 22 x 19 mm	12.6v	10.80 Wh	900 mAh	12v

DC-1210

Li-ion Battery USB-C



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1210	100 x 24 x 24 mm	5v	74 Wh	550 mAh	12v

DC-1329

Li-ion Battery



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1329	130 x 30 x 30 mm	12.6v	10.80 Wh	900 mAh	12v

Lithium-Ion Batteries

DC-1330

Li-ion Battery USB-C



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1330	130 x 28 x 28 mm	5v	8.40 Wh	700 mAh	12v

DC-1340

Li-ion Battery USB-C



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1340	200 x 24 x 24 mm	5v	24.00 Wh	2000 mAh	12v

Lithium-Ion Batteries

DC-1277-W

Li-ion Battery DIN



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1277-W	250 x 28 x 28 mm	12.6v	31.20 Wh	2600 mAh	12v

DC-1278-B

Li-ion Battery USB-C



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1278-B	250 x 28 x 28 mm	5v	31.20 Wh	2600 mAh	12v

DC-1278-W

Li-ion Battery USB-C



Order Code	Dimensions	Input Voltage	Energy	Capacity	Output Voltage
DC-1278-W	250 x 28 x 28 mm	5v	31.20 Wh	2600 mAh	12v

Torque Calculation

Calculation:

Torque P (Nm) = R x G / 100 / (1-V)

R = Radius (tube diameter / 2) **G** = Weight **V** = Safety factor = 30%

Tube Ø (mm)	Weight (G)																	
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	21	35	45,5							
50		1,4	1,7	2,3	3,1	4,2	5,6	8,4	16,8	28	36,4							
60					1,4	3,5	4,7	7,0	14	23,3	30,3	46,7	70	93,3				
70							4,0	6,0	12	20	26	40	60	80				
78								5,4	10,8	18	23	35,9	53,8	71,8	107,7	143,6	215,4	
85															98,8	131,8	197,6	
100															84	112	168	420
100																101,8	152,7	381,8
120																93,3	140	350
Torque	**0,3**	**0,5**	**0,6**	**0,8**	**1,1**	**1,5**	**2**	**3**	**6**	**10**	**13**	**20**	**30**	**40**	**60**	**80**	**120**	**300**



More Comfort with Smart Sun Protection

Have any questions?

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