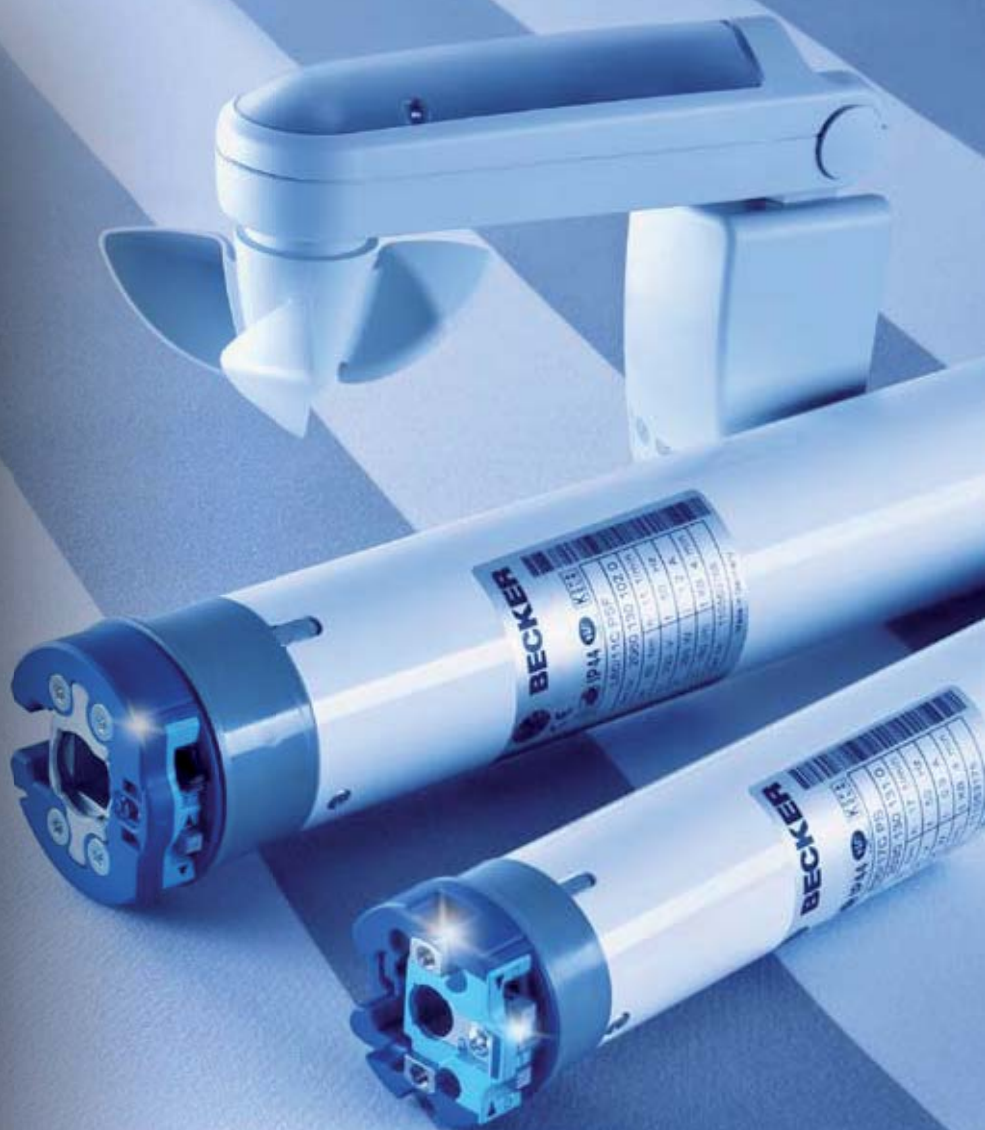


# *Complete catalogue – Automatic sun protection*

*Drives, control units  
and accessories*



**BECKER**  
It's that easy.

# *It's that easy*

*Dear customer,*

*You are now holding our redesigned product catalogue for automatic sun protection. Product development and catalogue design are alike in that usability must be optimised on a regular basis in order to enhance the value offered.*

*We believe that, in this edition, we have achieved just that and we think you will recognise our motto even as you use the catalogue: "It's that easy".*

*You will discover a much clearer layout and lots of interesting solutions for the automation of sun protection. Genuine best-sellers with long-proven technology, along with the latest Centronic developments.*

*Another new feature of the catalogue is the inclusion of our sales and support material. We believe that the high quality of our manufacturing should be supported by strong marketing. Please take up the offer!*

*We hope that you enjoy looking through the catalogue, and wish you every success with the planning and implementation of your projects.*



*Dieter Fuchs, Managing Director*



## *History*

<b>1921</b>	Company founded
<b>1972</b>	First tubular drive
<b>1994</b>	First ISO certification
<b>1997</b>	First tubular drive with electronic limit switching
<b>2003</b>	Introduction of the Centronic range of control units
<b>2010</b>	Presented with the "red dot" award for Centronic-II





“

*We offer people better quality of life, comfort and security by providing innovative products ‘Made in Germany’.*

*‘It’s that simple’ is the yardstick for our thought processes and actions.*”

## *Becker, of course.*

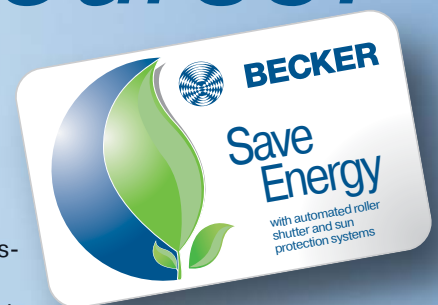
The future development of the domestic environment will be characterised by two goals. “Saving energy” and “accessibility”.

In particular, the potential for energy savings associated with housing construction has moved to the centre of political thinking, and is

being vigorously pursued. With Becker drives, you can now offer your customers both:

save up to 30% in heating and cooling energy, while enjoying maximum comfort.

The net effect, therefore, is that sun protection automation systems are an economical and intelligent solution for the homes of today and tomorrow. Becker – **It’s that easy.**







This catalogue has been prepared to the best of our knowledge as a source of information. No legal obligations can be derived from it. The information and illustrations are not binding, and correspond to the knowledge available at the time of going to press. Becker-Antriebe reserves the right to modify dimensions and other technical parameters.  
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# Why BECKER?

## A good decision

Becker-Antriebe has always nurtured innovation and the courage to develop new ideas. Although Becker maintains the character of a family company, it is now internationally represented. Today, as in the past, the company's philosophy is committed to a close relationship with customers along with the high quality of all its procedures, processes and products. And it is precisely this philosophy which provides the firm foundation for current and future cooperation with all Becker dealers.



## Convincing quality

Our standards are high! The careful selection of our suppliers, optimally coordinated individual parts and assemblies and high production standards make our drives reliable, long-lasting and quiet-running. The type plates are printed in the course of our 100% final inspection – but only when the drive is 100% OK. Becker guarantees quality you can trust in!

## The perfect control program

Your procurement processes are simplified since everything is available from a single source. In addition to our drives, we offer an optimised range of control units. From simple, economical switches through to convenient timers with 10 different individual programmable channels, you will find everything you need to satisfy customers' individual wishes for automation.

## The Becker promise of added value

### "It's that easy!"

This short statement is the measure for our ideas and what we do. More than that – it is also a genuine challenge. Incorporating technology that, while complicated, is at the same time simple to operate, into innovative products is not easy, but is nevertheless essential for your sales success. After all, it is ease of operation which sways even the biggest sceptic. Products that are easy to install and programme are also a joy to the fitter – an important basis for successful work.

### Top-quality service is just good enough

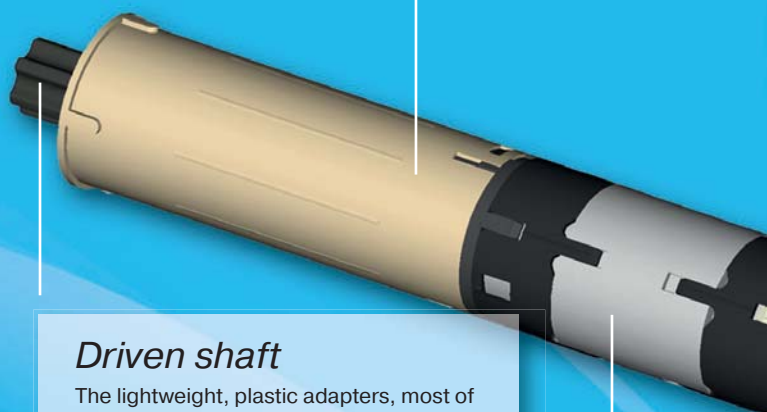
Our qualified staff never tire of providing the friendly help needed to find solutions to all the challenges that can arise during your projects. But at the beginning of any project there has to be a successful sale. To support your sales processes, we can offer you a comprehensive marketing service for your showroom and your sales meetings.

### Our environment – a big challenge

Did you know that (according to a study by the Belgian Physibel Institute in Maldegem) automated sun protection across Europe could save about 111 million tonnes of carbon dioxide (CO<sub>2</sub>) generated in heating and cooling buildings? Through the intelligent application of our drives and control units you can make an active contribution to achieving this potential saving, and at the same time your customers can save hard-earned cash. And, as a nice side effect, you automatically enhance your customers' living comfort.

## Smooth-running gears

Tailored to the different requirements of sun protection systems, the gears are key to the quiet, smooth running of our drives.



## Driven shaft

The lightweight, plastic adapters, most of which can be assembled without tools, for different barrels further reduce running noise.

## Powerful motors

Our motors are true performance athletes – strong and durable over thousands of cycles. Optimal true running of the rotors in the AC drives is another, audible, quality criterion for quiet running.





### *Precise limit switching*

An important feature of our high-quality drives is the repeat accuracy of the limit switching. Whether mechanical or electronic, the limit switching remains as accurate as a Swiss watch over thousands of cycles.

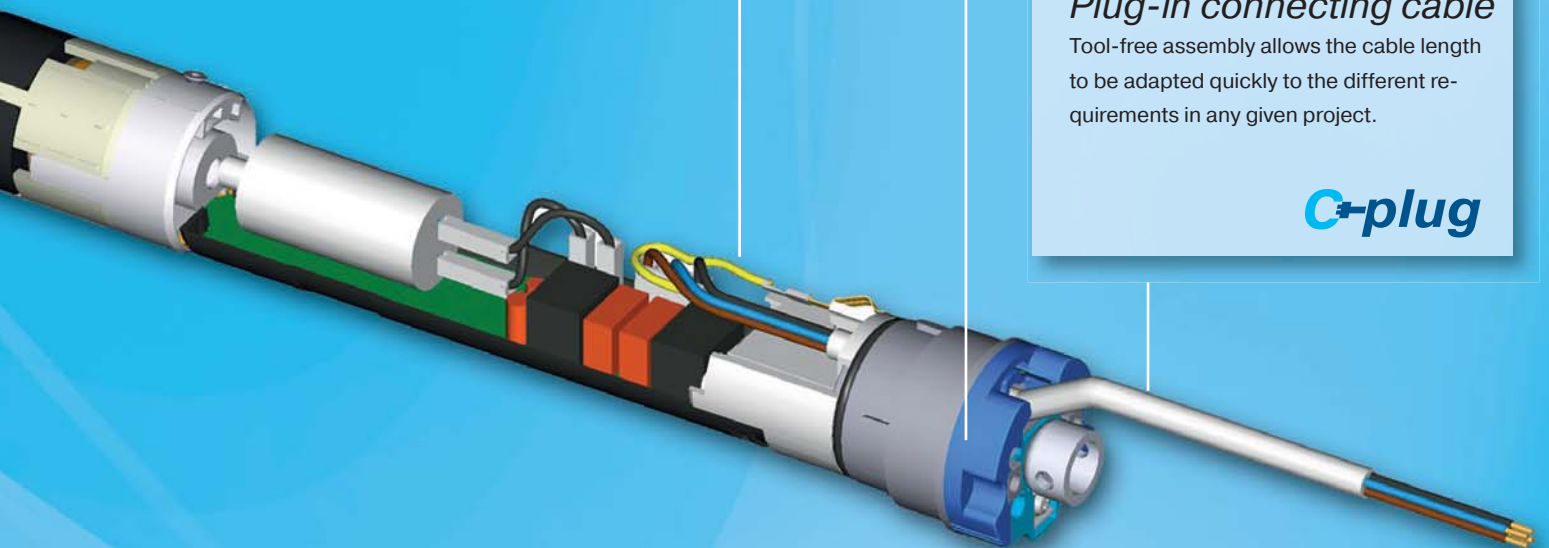
### *Flexible drive head*

The drive head is designed in such a way that the comprehensive range of wall, box and system brackets can be adapted quickly and easily. In addition, the head offers a variety of further possible adjustments, depending on the drive model, for extra functions.

### *Plug-in connecting cable*

Tool-free assembly allows the cable length to be adapted quickly to the different requirements in any given project.

**C+plug**



Every drive is subject to comprehensive series testing according to VDE guidelines on the series test beds specially developed for the purpose. This guarantees the highest possible quality of our products.

IP degree of protection

Type identifier

Conformity mark

Item number

Performance figures

EAN bar code

Serial number



## The right drive for every application

Regardless of whether you wish to motorise a cassette awning, a conservatory awning or a fixed screen, etc., we have a suitable drive solution. Depending on your customer/project requirements, you can choose between a range of performance figures (Nm, rpm), tube diameters, mechanical, electrical or limit switching with integrated radio, or drives with an application-specific range of functions, such as "automatic cloth tension" for conservatory awnings or "limit position for locking system" for wind-resistant screens.

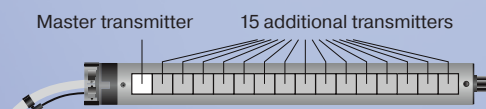


## Electronic limit switching – integrated radio receiver

The transmitter is quickly and easily programmed in two steps. Assigning the correct direction of rotation to the UP and DOWN buttons on the transmitter is conveniently done by a switch on the drive head.

### Master-slave principle:

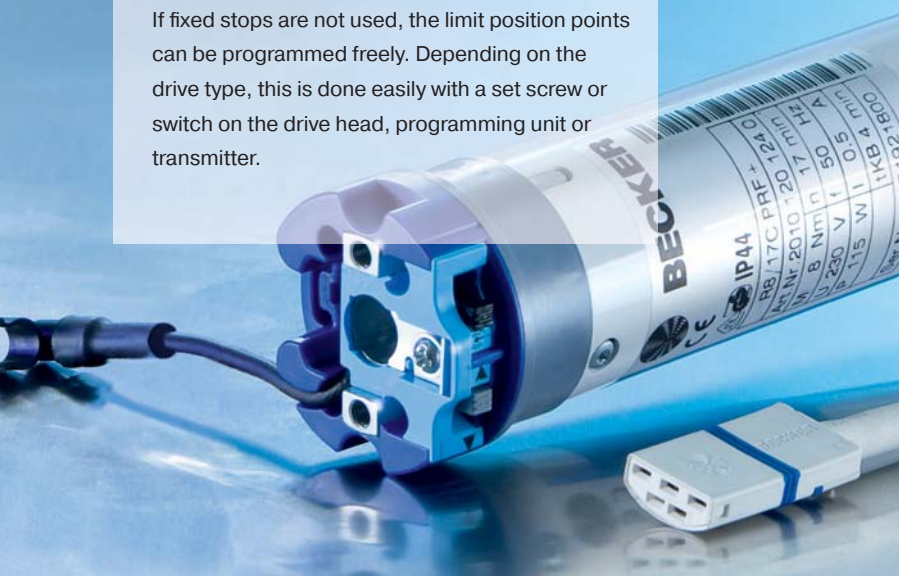
The master transmitter refers to the very first transmitter programmed in a receiver. In contrast to subsequently programmed transmitters, the master transmitter enables, among other things, the setting of limit positions and the programming or deleting of further transmitters. Any transmitter that has separate UP, STOP, DOWN buttons and a programming button can be a master transmitter.



## Limit positions with flexible adjustment

When fixed stops are used at the top, drives with electronic limit switching automatically detect the upper limit position.

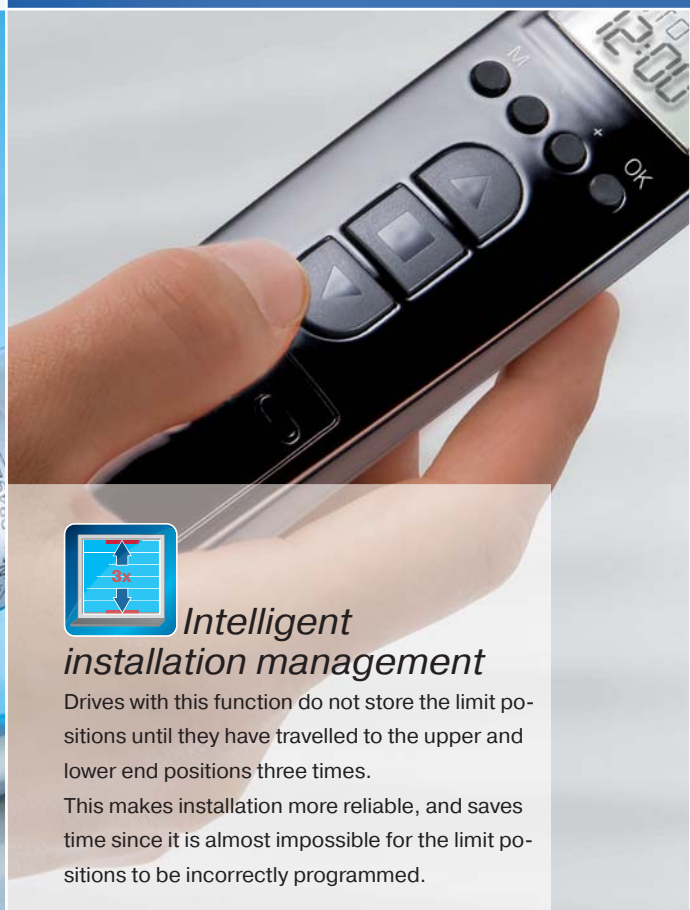
If fixed stops are not used, the limit position points can be programmed freely. Depending on the drive type, this is done easily with a set screw or switch on the drive head, programming unit or transmitter.



## Intelligent installation management

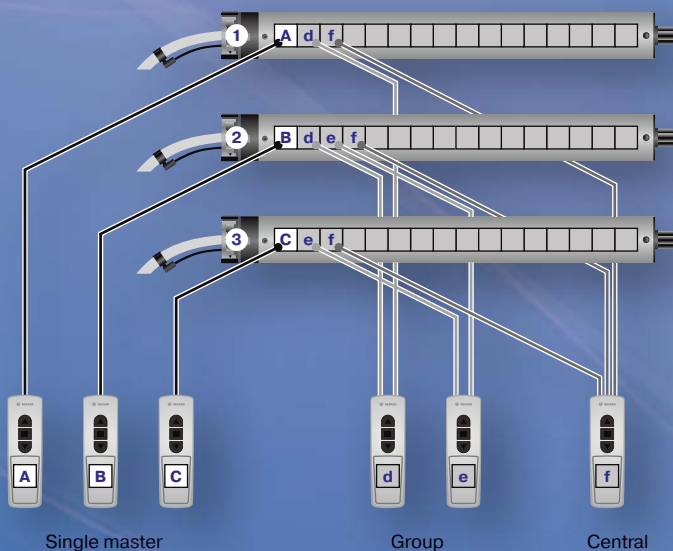
Drives with this function do not store the limit positions until they have travelled to the upper and lower end positions three times.

This makes installation more reliable, and saves time since it is almost impossible for the limit positions to be incorrectly programmed.

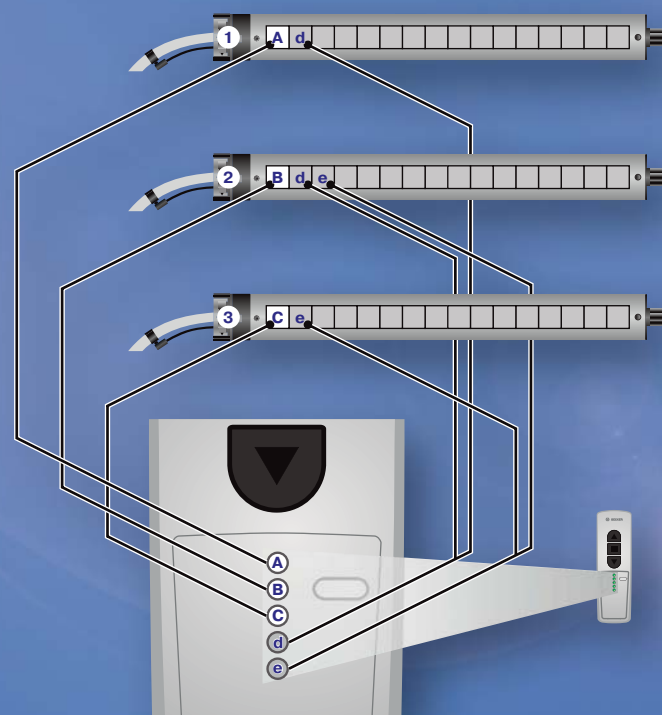




## Single, group and central control unit configuration



## Single, group and central control unit configuration with a multi-channel transmitter



### Higher closing force for cassette awnings

Sun protection drives with this function ("+" types) have a higher closing force in the upper limit position. This ensures reliable closing of the cassette every time. This prevents the cloth being damaged by dirt or water caused by a cassette that is not fully closed.



### Automatic curtain length adjustment

Drives with electrical limit switches offer many advantages over those with mechanical limit switches. One of the key advantages, for textile sun protection in particular, is the integrated automatic curtain length adjustment. This puts an end to changes in limit positions or sagging cloth due to weather-induced stretching and reduces time-consuming service call-outs.





## **Wind-resistant screens**

Special wind-resistant screens are gaining in popularity, particularly for use in very windy regions and in high buildings. We currently offer two versions of these screens: one that is laterally guided in a zip-type fitting (zip or fixed screen) and screens with locking systems integrated in the guide tracks. Becker offers the ideal solution for both applications. In terms of the locking systems you can even choose between drives with fixed locking positions (SE) and drives with freely programmable locking limit position (SE i1/ SEF i1).



## **Blockage detection in the UP direction**

Does this sound familiar? After carrying out your spring clean, you've forgotten to clear away the ladder. The sun protection control unit closes the awning, the ladder gets caught in the articulated arms and blocks further travel. No problem for intelligent tubular drives with blockage detection. If they are blocked, they switch off automatically to prevent damage to the expensive sun protection system.

Depending on the version, the drive does not simply stop, but also releases the system immediately by moving in the opposite direction a short distance.





## *Sun protection drives with integrated radio receiver*

Radio products offer the maximum possible convenience and flexibility:

■ Set two favourite positions for your sun protection: Simply press the STOP and DOWN button for the 1st favourite position and/or the STOP and UP button for the 2nd favourite position - done! The positions can be easily selected at any time by pressing the UP or DOWN button twice.

■ Different threshold values for different sun protection systems? Using the sun protection transmitters (SWC) in combination with suitable wind and/or sun protection sensors, you can effectively protect your systems and household furnishings from the wind and the sun.

■ SWC545-II - a hand-held transmitter for up to 5 individual or groups of sun protection systems. The menu in the display lets you carry out a number of functions, such as the programming of threshold values and individually specifying the time at which your automatic sun protection should be activated/deactivated. This does not affect the automatic wind protection function, which is always enabled in order to ensure that your sun protection system is constantly protected.



# Good things for good customers – ensuring successful

## COST COMPARISON



“Why expensive can ultimately be more cost-effective”



### Sun protection drives with integrated radio receiver

At first sight, radio products may indeed be more expensive, but, depending on where they are fitted and on the level of convenience desired, they can turn out to be a significantly more economical solution, because:

- no need to lay control cables
- the connection between the transmitter and receiver is achieved in two easy steps
- up to 16 transmitters with very different functional scopes can be programmed or removed from the system at any time
- sensors can easily be added later without installing wires
- the configuration or modification of individual, group or central control units is possible at any time, without having to reroute cables



### With our radio products you are buying maximum convenience and flexibility:

Set 2 favourite positions for your sun protection system: Simply press the STOP and DOWN button for the 1st favourite position and/or the STOP and UP button for the 2nd favourite position – done!

The positions can be easily selected at any time by pressing the UP or DOWN buttons twice.

Conveniently set threshold values from wherever you stand – child's play with our sun protection transmitters! Simply set the desired threshold value for sun and/or wind at the respective potentiometer or in the display and use the slide switch to activate/deactivate the automatic sun protection.







## Soft upper stop

To protect the cloth in textile sun protection systems, drives with this function move the end strip gently against the upper stop. "Maximum" convenience ensures the longest possible service life of your sun protection system.

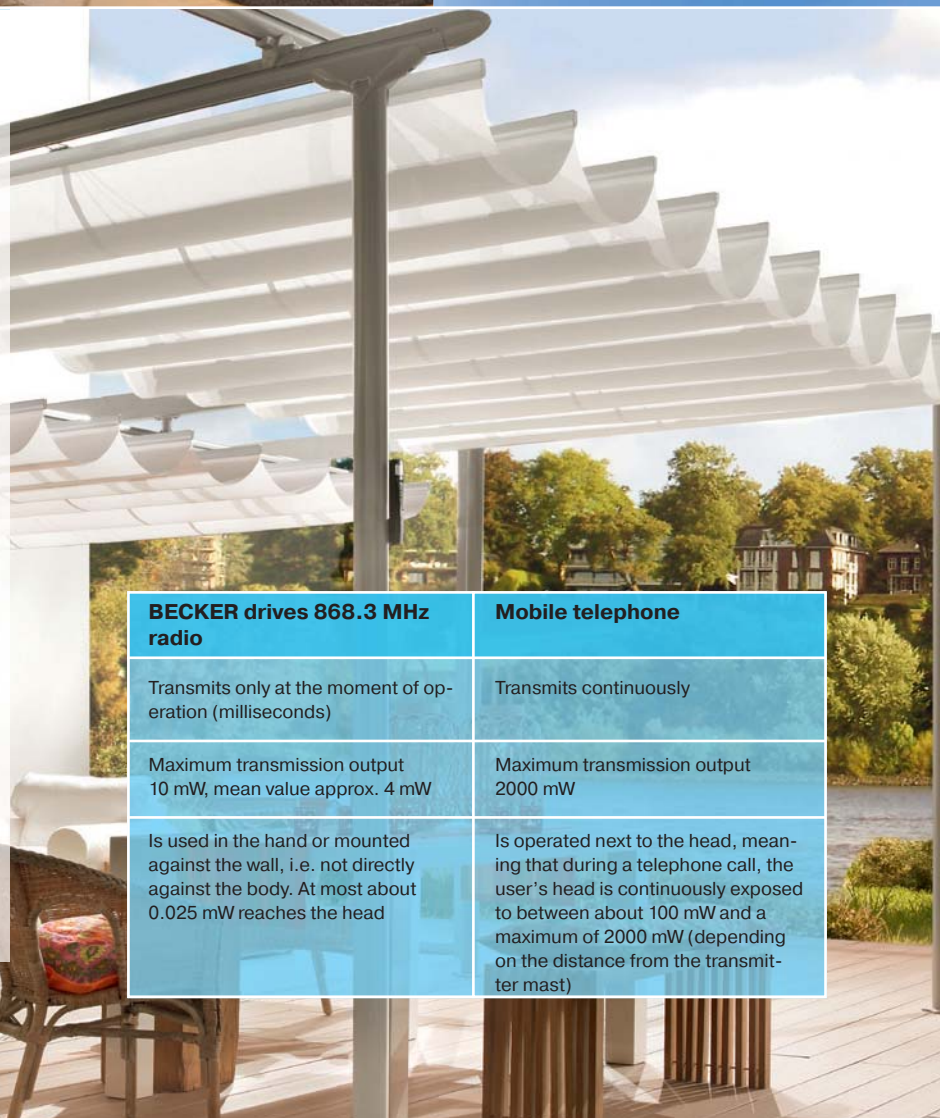
## No health concerns

There are a number of different reservations about the use of radio products. In particular, a great deal of thought is given to their effect on health. A few facts:

The very low radiated power from BECKER radio transmitters and their effect on the human body, as compared with a typical mobile telephone:

The products used with BECKER drives transmit for only a few milliseconds at the moment of operation. Mobile telephones transmit continuously. The maximum transmission output of BECKER transmitters is just 10 mW, the mean value is approx. 4 mW. The transmission output of mobile telephones can be up to 2000 mW.

Becker transmitters are operated in the hand or against a wall. A maximum of about 0.025 mW reaches the operator's head, whereas during a call a mobile telephone continuously exposes the user's head to between 100 and 2000 mW, depending how far away the transmitter mast is.



BECKER drives 868.3 MHz radio	Mobile telephone
Transmits only at the moment of operation (milliseconds)	Transmits continuously
Maximum transmission output 10 mW, mean value approx. 4 mW	Maximum transmission output 2000 mW
Is used in the hand or mounted against the wall, i.e. not directly against the body. At most about 0.025 mW reaches the head	Is operated next to the head, meaning that during a telephone call, the user's head is continuously exposed to between about 100 mW and a maximum of 2000 mW (depending on the distance from the transmitter mast)

# Drive function matrix

	Mechanical limit switching					Electronic limit				
	M			HK		PS/PS+			SE B0	
Type (tube diameter in mm)	P (Ø 35)	R (Ø 45)	L (Ø 58)	R (Ø 45)	L (Ø 58)	P (Ø 35)	R (Ø 45)	L (Ø 58)	R (Ø 45)	
Torque in Nm	5-13	8-50	44-120	12-50	44-120	5-9	8-50	44-120	20-50	
Speed in 1/min	9-30	11-17	11-14	11-17	11-14	16-30	11-17	11-17	11-17	
Plug-in connecting cable	•	•	•				•	•	•	
VDE/NF/KEMA conformity mark	•	•	•	•	•	•	•	•	•	
<b>Limit position adjustment</b>										
At the drive head	•	•	•	•	•	•	•	•		
With setting switch						•	•	•	•	
With radio transmitter										
Extended position to retracted position	•	•	•	•	•	•	•	•		
Extended position to retracted stop						•	•	•	•	
Stop retracted to fixed locking										
Stop retracted to freely programmable locking										
Intelligent installation management						•	•	•		
Automatic fabric stretching (conservatory awning)									•	
Automatic curtain length adjustment						•	•	•	•	
Blockage detection in during retraction						•	•	•	•	
Higher closing force for cassette awnings							-/•	-/•		
Soft upper stop						•	•/-	•/-	•	
Supports parallel connection without isolating relay						•	•	•	•	



switching				Integrated radio receiver					
SE B0	SE	SE i1		PSF	PSF/PSF+		SEF i1		
L (Ø 58)	R (Ø 45)	R (Ø 45)	L (Ø 58)	P (Ø 35)	R (Ø 45)	L (Ø 58)	P (Ø 45)	L (Ø 58)	
44-120	8	20-40	50-120	5-9	8-50	44-120	30-40	50-70	
11-17	17	20-40	11-17	16-30	11-17	11-17	17	17	
					•	•	•	•	
•	•	•	•	•	•	•	•	•	
•	•	•	•						
				•	•	•	•	•	
•									
	•								
		•	•						
				•	•	•			
•	•	•	•				•	•	
•	•	•	•	•	•	•	•	•	
•	•	•	•	•	•	•	•	•	
					-/•	-/•			
•	•	•	•	•	•/-	•/-	•	•	
•	•	•	•	•	•	•	•	•	

## Explanation of nomenclature Tubular drives:

Example:

**R12/17 C PSF+**

Type Nm min<sup>-1</sup> C-Plug = plug-in connecting cable Limit switch version

### Types:

**P** = Pico tube Ø 35 mm  
**R** = Regular tube Ø 45 mm  
**L** = Large tube Ø 58 mm

### Limit switching versions:

**M** = mechanical limit switch  
**HK** = mechanical limit switch with crank  
**G** = DC drives with mechanical limit switch  
**GHK** = DC drives with mechanical limit switch and crank

### Electronic limit switching:

**S** = sun protection  
**F** = with integrated radio receiver  
**P** = with point-to-point switching  
**E** = reversing in the limit position  
**+** = higher closing force for cassette awnings  
**B0** = automatic fabric stretching  
**i1** = freely programmable locking limit position



## Load table - Awnings for types: M, HK, PS(+) and PSF(+) drives with

Drive torque (Nm) depending on drop lengths (m)

		2 m		2.5 m		3 m		3.5 m		4 m	
Number of arms	Width (m)	Ø R	Ø L	Ø R	Ø L	Ø R	Ø L	Ø R	Ø L	Ø R	Ø L
2	3.0	30	44	30	44	30		40		50	44
2	4.5	30	44	30	44	40		40		50	44
2	6.0	30	44	40	44	40		40		50	44
3	4.5	40	44	40	44	50	44	50	60	–	80
3	6.0	40	44	40	44	50	44	50	60	–	80
3	7.5	40	44	40	44	50	44	50	60	–	80
4	6.0	50	60	50	60	–	60	–	80	–	120
4	7.5	50	60	50	60	–	60	–	80	–	120
4	9.0	50	60	50	60	–	60	–	80	–	120

Becker does not accept any responsibility for the accuracy of information. Due to the wide range of different brands/models and the corresponding drive power requirements, the Nm data provided are non-binding and intended as a guideline only. Cassette awnings require the drive models PS+ or PSF+.



Ø 45 mm (R), with Ø 58 mm (L)

4.5 m		5 m	
Ø R	Ø L	Ø R	Ø L
50	44	50	44
50	44	50	44
50	44	50	44
–	80	–	80
–	80	–	80
–	80	–	80
–	120	–	120
–	120	–	120
–	120	–	120

### Assumption:

78 mm shaft Ø  
20° drop angle

# Overview of the Centronic range of control units –

Centronic control units Radio solutions	EC311	EC315	EC142-II	EC541-II	EC545-II	EC5410-II	SWC241-II	SWC411	SWC441-II	SWC442-II	SWC545-II	SC211	SC561
<b>Applications</b>													
Exterior sun protection <sup>1</sup>	•	•	•	•	•	•	•	•	•	•	•	•	•
Interior sun protection <sup>2</sup>	•	•	•	•	•	•	•	•	•	•	•		•
Lighting (with VC180, 220 or 410/420)	•	•	•	•	•	•				•	•		
<b>Functions</b>													
Hand-held/wall transmitters	-/•	-/•	•/-	•/-	•/-	•/-	•/-	-/•	•/-	•/-	•/-		
Surface mounted	•	•	•										•
Flush mounted													
Plug-in													
Display											•		
Separate UP/STOP/DOWN buttons	•	•	•	•	•	•	•	•	•	•	•		
1-channel transmitter	•			•			•	•	•			•	
2-channel transmitter (light button)			•(-)							•			
5-channel transmitter		•			•						•		
10-channel transmitter						•							
Receiver/control unit													
Sensor (transmitter)												•	•
Manual/automatic								•	•	•	•		
Single control unit	•	•	•	•	•	•	•	•	•	•	•	•	•
Group control unit		•			•	•					•		
Central control unit	•	•	•	•	•	•	•	•	•	•	•		•
Touch mode for blinds											•		
Intermediate position	•	•	•	•	•	•	•	•	•	•	•		
Ventilation position/tilt/fabric stretching	•	•	•	•	•	•	•	•	•	•	•		
Memory function													
Date/time											•		
Auto. summer/winter time											•		
Switching times											•		
Blocking times											•		
Twilight													
Sun (threshold control)								•	•	•	•		•
Wind (threshold control)							•	•	•	•	•	•	
Angle of inclination												•	
Winter operation											•		
Switch/button can be connected													
Solar operation													•
<b>Supported receivers</b>													
VC180	•	•	•	•	•	•	•	•	•	•	•		
VC220	•	•	•	•	•	•	•	•	•	•	•		
VC410	•	•	•	•	•	•	•	•	•	•	•		•
VC420	•	•	•	•	•	•	•	•	•	•	•		•
VC520	•	•	•	•	•	•	•	•	•	•	•		•
UCS520	•	•	•	•	•	•	•	•	•	•	•		•
SWC510	•	•	•	•	•	•	•	•	•	•	•		
<b>Supported drives</b>													
PSF models	•	•	•	•	•	•	•	•	•	•	•	•	•
SEF i1 models	•	•	•	•	•	•	•	•	•	•	•		•
All wired drives 230 V AC													

<sup>1</sup> e.g. awning, blind

<sup>2</sup> e.g. roller, blind



Centronic control units Radio solutions	SC711	SC811	SC861	SWC510	VC180	VC220	VC410	VC420	VC421	VC470-II	VC520	UCS520
<b>Applications</b>												
Exterior sun protection <sup>1</sup>	•	•	•	•			•	•	•	•	•	•
Interior sun protection <sup>2</sup>							•	•	•	•	•	•
Lighting (with VC180, 220 or 410/420)					•	•	•	•	•			
<b>Functions</b>												
Hand-held/wall transmitters												
Surface mounted	•	•	•	•								
Flush mounted						•	•	•	•		•	•
Plug-in					•					•		
Display												
Separate UP/STOP/DOWN buttons												•
1-channel transmitter	•	•	•						•			
2-channel transmitter												
5-channel transmitter												
10-channel transmitter												
Receiver/control unit				•	•	•	•	•		•	•	•
Sensor (transmitter)	•	•	•	• (-)								
Manual/automatic												•
Single control unit	•	•	•	•	•	•	•	•	•	•	•	•
Group control unit												•
Central control unit	•	•	•	•	•	•	•	•	•	•	•	•
Touch mode for blinds							•	•		•		•
Intermediate position				•			•	•	•	•	•	•
Ventilation position/tilt/fabric stretching				•			•	•	•	•	•	•
Memory function							•	•	•	•		•
Date/time												
Auto. summer/winter time												
Switching times												
Blocking times												
Twilight												
Sun (threshold control)		•	•	•			•	•		•		•
Wind (threshold control)	•	•	•	•			•	•		•		•
Angle of inclination												
Winter operation												
Switch/button can be connected							•	•	•		•	
Solar operation			•									
<b>Supported receivers</b>												
VC180									•			
VC220									•			
VC410	•	•	•						•			
VC420	•	•	•						•			
VC520	•	•	•						•			
UCS520	•	•	•						•			
SWC510									•			
<b>Supported drives</b>												
PSF models	•	•	•						•			
SEF i1 models	•	•	•						•			
All wired drives 230 V AC				•			•	•		•	•	•

<sup>1</sup> e.g. awning, sun protection

<sup>2</sup> e.g. roller, blind

# Overview of the Centronic range of control units – wired

Centronic control units Wired	EC41	EC42	EC52	UC42	UC45	UC52	SWC52	SC71	SC81
<b>Applications</b>									
Exterior sun protection <sup>1</sup>	•	•	•	•	•	•	•	•	•
Interior sun protection <sup>2</sup>	•	•	•	•	•	•	•		
<b>Functions</b>									
Surface mounted	•							•	•
Flush mounted		•	•	•		•	•		
Rail mounting					•				
Display							•		
Separate UP/STOP/DOWN buttons	•	•	•			•	•		
Switch/button combination	•	•	•						
Sensors								•	•
Manual/automatic						•	•		
Single control unit	•	•	•	•	•	•	•		
Group/central control unit				•	•	•	•		
Touch mode for blinds				•	•	•	•		
Intermediate position						•	•		
Ventilation position/tilt/fabric stretching						•	•		
Date/time							•		
Auto. summer/winter time							•		
Switching times							•		
Blocking times							•		
Sun (threshold control)							•		•
Wind (threshold control)							•	•	•
Winter operation							•		
<b>Supported sensors</b>									
SC43							•		
SC71							•		
SC81							•		
<b>Supported drives</b>									
All wired drives 230 V AC	•	•	•	•	•	•	•		
G models	•	•	•			•	•		

<sup>1</sup> e.g. awning, blind

<sup>2</sup> e.g. roller, blind





# Which automation system is the right one?

## Radio solutions

Sun protection automation from Becker with radio control is particularly ideal for renovation projects. Key advantage: No need to lay cables between the control unit and the drive. With this solution, the drives only need one mains connection. The encrypted Becker radio system features a long range and interference-free operation. It has a lot to offer: from the single, group and central control units, through to the threshold setting in combination with sun and wind sensors. Everything you need to implement your ideas and give you the convenience you want.



### Products

Page

**Centronic  
EasyControl EC311**

34

**Centronic  
SunWindControl SWC442-II**

40

**Centronic  
SunWindControl SWC545-II**

40

## Solutions for BUS systems

SMI sun protection drives from Becker can be integrated very easily into BUS systems. "Standard Motor Interface (SMI)" is a technology that allows drives to communicate with control units. This offers you unimagined possibilities for networking sun protection systems with other systems connected to a BUS system. For instance, the actual position of the sun protection can not only be displayed in real time on various screens in the house and on your mobile phone, it can also be altered via a touch screen. A distant dream? No, with Becker-Antriebe this is already a reality!



### Products

**KNX-SMI actuator**

**SMI drives**

You will find these products in our SMI catalogue



## Wired solutions

The world's your oyster when it comes to sun protection automation. You too can benefit. Our wired systems are available with a large selection of drives and control units. From the most economical solutions with the most important basic functions, through to advanced concepts to satisfy all requirements. Your advantage: once the cables have been laid you can upgrade at any time with a minimum of building work. This makes it the ideal solution for new builds.

### Products

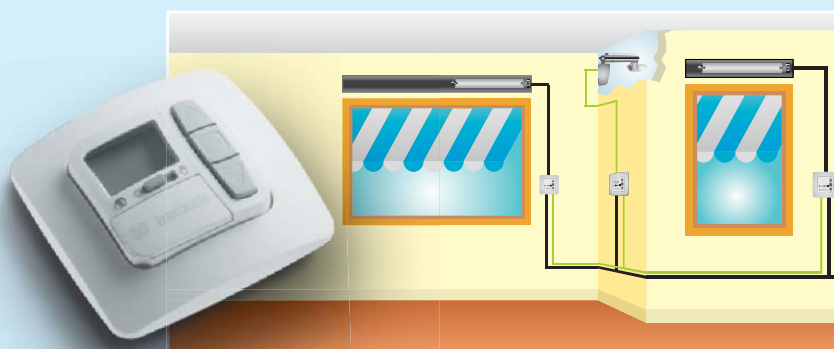
Page

**Centronic  
EasyControl EC52**

78

**Centronic  
SunWindControl SWC52**

80



# C+plug Plug-in Becker connecting cable



**NEW!**

## C+plug Tool

- one side for mounting
- one side for dismantling
- secure locking and release of the latch
- cannot be lost, as it is guided along the cable
- for drives and tube diameters 45 and 58 mm



**Item number**  
2010 300 365 0

## Available versions

Plug-in connecting cable	Connecting cable (m)	Item no. Colour: white	Item no. Colour: black
with wire end ferrules	1	2010 270 408 0	-
	2	2010 270 442 0 (standard)	2010 270 464 0
	3	2010 270 380 0	2010 270 541 0
	5	2010 270 421 0	-
	10	2010 270 423 0	-
with Hirschmann plug type STAS 3N incl. securing clip	0.3	2010 270 432 0	-
	0.5	2010 270 384 0	2010 270 499 0
	1	2010 270 383 0	2010 270 501 0
	2.5	-	2010 270 503 0
	5	-	2010 270 505 0
	10	-	2010 270 507 0





## Additional features

**Optimum inventory management**, since the drive and the length of connecting cable suited to the site requirements can be fitted at the installation site

**No screw connection is necessary**, thereby simplifying mounting and disassembly

**Drive head can be overwrapped**

**Degree of protection IP44**

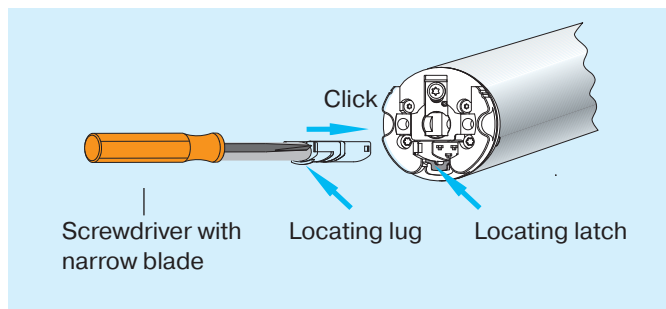
**Only a conventional terminal screwdriver** with a narrow blade is needed for mounting/dismantling the drive cable

**White cables** enable unobtrusive integration, even in visible areas

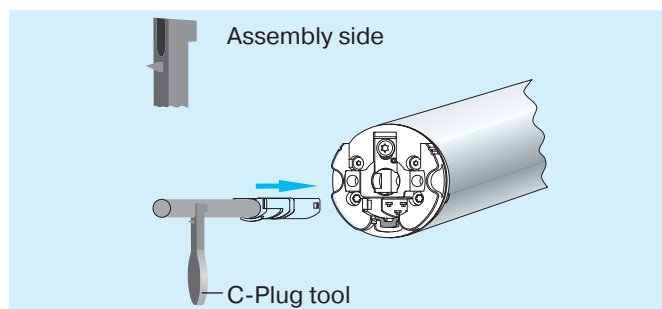
**UV-resistant rubber cable**

**Dismantling the cable** when fitted into the roller shutter box is usually possible (depending on the installation position)

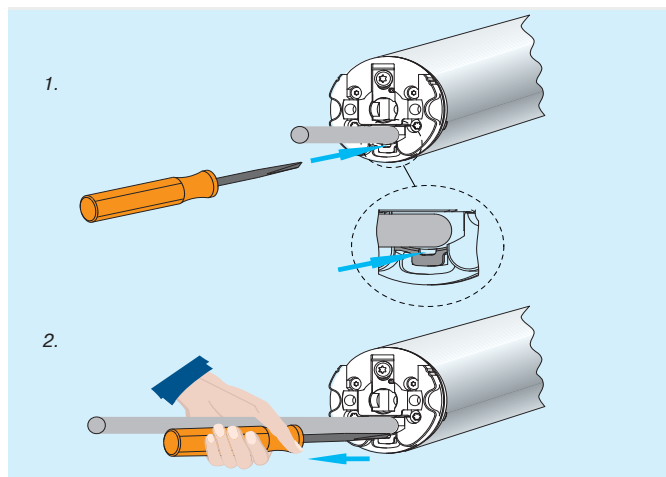
### Mounting with terminal screwdriver



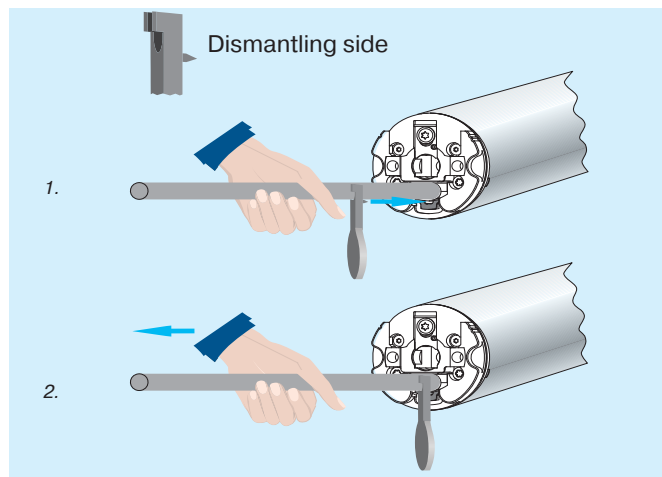
### Mounting with C-Plug tool



### Dismantling with terminal screwdriver



### Dismantling with C-Plug tool









## Drives with integrated radio receiver



### Sun protection drives

P5/20PSF – P9/16PSF	26
R8/17C PSF - R50/11C PSF(+)	28
L44/14C PSF(+) – L120/11C PSF(+)	30
R30/17C SEF I1 - R40/17C SEF I1	32



### Centronic radio transmitters

EC311	34
EC315	34
SWC411	34
EC142-II	34
EC541-II	36
EC545-II	36
EC5410-II	38
SWC241-II	38
SWC441-II	38
SWC442-II	40
SWC545-II	40
VC421	40



### Centronic radio receivers

UCS520	42
VC180	42
VC220	42
VC470-II	42
VC420	44
VC520	44



### Centronic radio sensors

SC211	46
SWC510	46
SC561	46
SC711	48
SC811	48
SC861	48



### Centronic radio sets

SVS241-II	50
SWS241-II	50
SWS441-II	52
SWS641-II	52



### Mechanical accessories

92

# “Universal” sun protection drives with integrated radio



P5/20PSF - P9/16PSF



## THE ADVANTAGE!



**Simple setting of limit positions** via Centronic hand-held or wall transmitter

## HIGHLIGHT!

**Universal use** in many shade systems, with or without stop

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Standard Connecting cable (m)
P5/20PSF	2009 030 101 0	5	20	64	0.47	115	3
P5/30PSF	2009 030 100 0	5	30	64	0.47	115	3
P9/16PSF	2009 030 102 0	9	16	64	0.47	110	3

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44



Radio control units, p. 34



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



# receiver for barrels > Ø 38 mm

## Additional features



**Electronic limit switch** with integrated radio receiver compatible with the Centronic range of control units



**Single, group and central control units** possible, with up to 16 transmitters



**Blockage detection** in the UP direction



**Motor head can be over-wrapped**



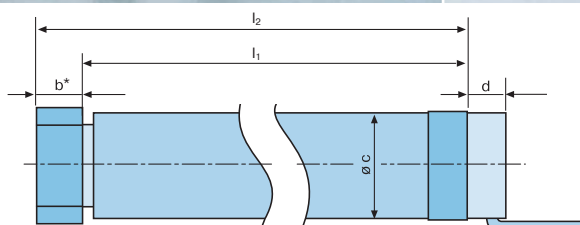
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Programming of 2 freely selectable intermediate positions**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	450	467	35	12
17	450	467	35	12
17	450	467	35	12

\* Width of drive adapter 40x1/42x2 (4930 300 086 0) page 97, implementation of a different drive adapter will change dimension l<sub>2</sub>.

## Examples of Centronic radio control units for the PSF series



**EasyControl EC311**  
1-channel wall transmitter



**EasyControl EC541-II**  
1-channel hand-held transmitter



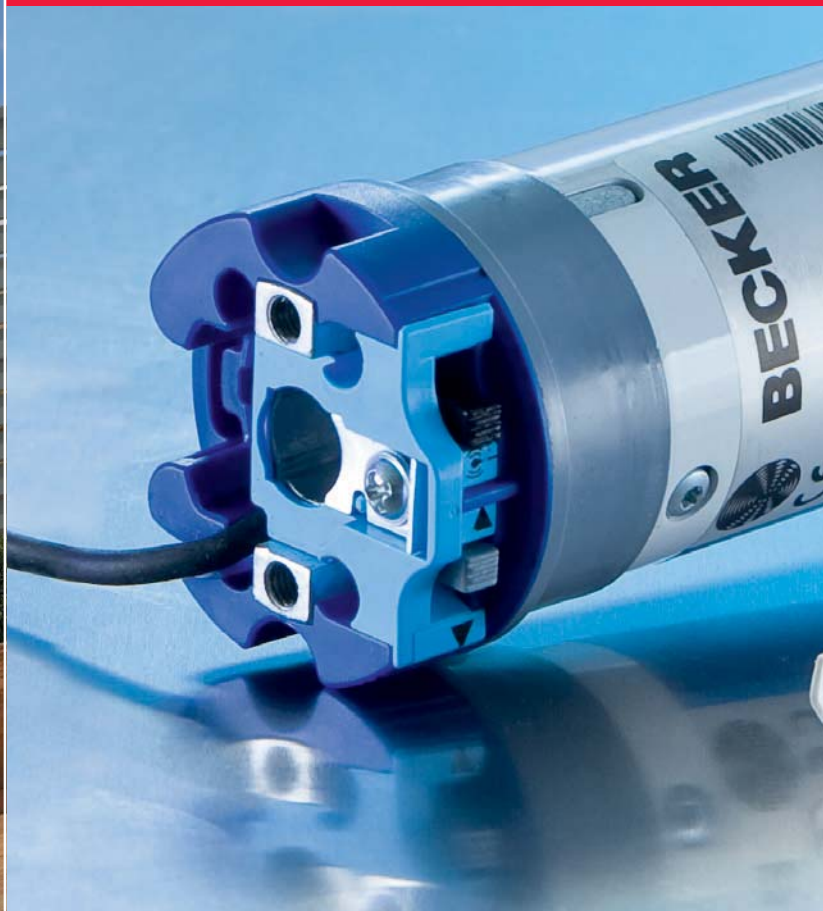
**SunWindControl SWC241-II**  
1-channel hand-held transmitter with wind threshold value setting



# “Universal” sun protection drives with integrated radio



R8/17C PSF - R50/11C PSF(+)



## THE ADVANTAGE!



**Simple setting of limit positions** via Centronic hand-held or wall transmitter

## HIGHLIGHT!

**Universal use** in many shade systems, with or without stop

## Technical data

Designation	Item number	Item number PSF+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R8/17C PSF	2010 130 134 0		8	17	64	0.45	100	2
R12/17C PSF	2010 130 135 0	2010 130 139 0	12	17	64	0.5	110	2
R20/17C PSF	2020 130 127 0	2020 130 130 0	20	17	64	0.75	160	2
R30/17C PSF	2030 130 132 0	2030 130 135 0	30	17	64	0.9	205	2
R40/17C PSF	2040 130 141 0	2040 130 142 0	40	17	64	1.18	230	2
R50/11C PSF	2050 130 144 0	2050 130 146 0	50	11	64	1.1	240	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



**Radio control units, p. 34**



**Drive adapters/rings, p. 94**



**Mechanical accessories, p. 99**

# receiver for barrels > Ø 50 mm



## Additional features



**Electronic limit switch** with integrated radio receiver compatible with the Centronic range of control units



**Programming of 2 freely selectable intermediate positions**



**Blockage detection** in the UP direction



**Single, group and central control units** possible, with up to 16 transmitters



**Automatic curtain length adjustment**



**Motor head can be over-wrapped**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection

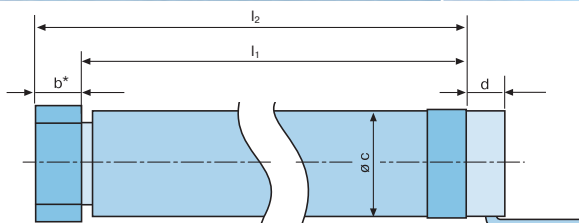


**Plug-in connecting cable**



**Higher closing forces** for cassette awnings (PSF+)

**C+plug**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	476	493	45	17
17	476	493	45	17
17	501	518	45	17
17	553	570	45	17
17	545	562	45	17
17	545	562	45	17

\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>.

## Examples of Centronic radio control units for the PSF series



### Centronic SunWindControl SWC411

1-channel wall transmitter with wind threshold value setting



### Centronic SunWindControl SWC442-II

2-channel hand-held transmitter with threshold value setting (2nd channel with additional light button)



### Centronic SunWindControl SWC545-II

5-channel hand-held transmitter with display and threshold value setting





# “Universal” sun protection drives with integrated radio



L44/14C PSF(+) – L120/11C PSF(+)



## THE ADVANTAGE!



**Simple setting of limit positions** via Centronic hand-held or wall transmitter

## HIGHLIGHT!

**Universal use** in many shade systems, with or without stop

## Technical data

Designation	Item number	Item number PSF+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
L44/14C PSF	2044 130 102 0	2044 130 103 0	44	14	64	1.2	255	2
L50/17C PSF	2050 130 145 0	2050 130 149 0	50	17	64	1.4	315	2
L60/11C PSF	2060 130 102 0	2060 130 103 0	60	11	64	1.2	265	2
L70/17C PSF	2070 130 102 0	2070 130 103 0	70	17	64	1.9	430	2
L80/11C PSF	2080 130 128 0	2080 130 130 0	80	11	64	1.4	310	2
L120/11C PSF	2120 130 102 0	2120 130 103 0	120	11	64	1.9	435	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Radio control units, p. 34



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



## receiver for barrels > Ø 63 mm



### Additional features



**Electronic limit switch**  
with integrated radio receiver compatible with the Centronic range of control units



**Programming of 2 freely selectable intermediate positions**



**Blockage detection** in the UP direction



**Single, group and central control units** possible, with up to 16 transmitters



**Automatic curtain length adjustment**



**Motor head can be over-wrapped**



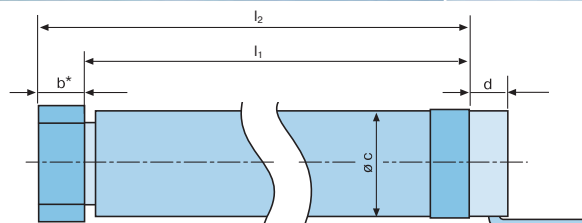
**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Plug-in connecting cable**



**Higher closing forces** for cassette awnings (PSF+)



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	523	553	58	20
30	543	573	58	20
30	523	553	58	20
30	573	603	58	20
30	543	573	58	20
30	573	603	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Examples of Centronic radio control units for the PSF series



**EasyControl EC315**  
5-channel wall transmitter



**EasyControl EC545-II**  
5-channel wall transmitter



**Centronic SunWindControl SWC441-II**  
Hand-held transmitter with sun/wind threshold value setting



# “Locking” sun protection drives with integrated radio receiver



R30/17C SEF I1 - R40/17C SEF I1



## THE ADVANTAGE!



Simple setting of limit positions via Centronic hand-held or wall transmitter

## HIGHLIGHT!



For wind-resistant screens – freely programmable locking and unlocking limit position

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R30/17C SEF I1	2030 130 140 0	30	17	64	0.9	205	2
R40/17C SEF I1	2040 130 147 0	37	17	64	1.18	230	2
L50/17C SEF I1	2050 130 154 0	50	17	64	1.4	315	2
L70/17C SEF I1	2070 130 104 0	70	17	64	1.9	430	2

Rated voltage: 230V AC/50Hz

Operating mode: S2 4 min

Degree of protection: IP44

C-Plug, p. 22



Radio control units, p. 34



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 50 mm

## Additional features



**Electronic limit switch** with integrated radio receiver compatible with the Centronic range of control units



**Single, group and central control units** possible, with up to 16 transmitters



**Blockage detection** in the UP direction



**Motor head can be over-wrapped**



**Automatic curtain length adjustment**



**Plug-in connecting cable**

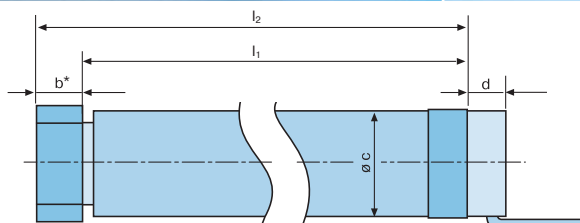


**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Programming of 2 freely selectable intermediate positions**

**C+plug**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	553	570	45	17
17	545	562	45	17
30	543	573	58	20
30	573	603	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>.

## Examples of Centronic radio control units for the SEF series



### Centronic SunWindControl SWC411

1-channel wall transmitter with wind threshold value setting



### Centronic SunWindControl SWC442-II

2-channel hand-held transmitter with threshold value setting (2nd channel with additional light button)



### Centronic SunWindControl SWC545-II

5-channel hand-held transmitter with display and threshold value setting





# Centronic radio transmitters



**EasyControl EC311**  
1-channel wall  
transmitter

## Function

- Enables the programming of 2 freely selectable intermediate positions
- Simple wall mounting
- Single or central control unit

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR 2032
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Type of mounting</b>	surface mounted

Item no. 4034 000 017 0



**EasyControl EC315**  
5-channel wall  
transmitter

## Function

- 5 channels with LED display
- Enables the programming of 2 freely selectable intermediate positions per channel
- Simple wall mounting
- Single, group or central control unit

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR 2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Type of mounting</b>	surface mounted

Item no. 4034 000 035 0



**SunWindControl SWC411**  
Wall transmitter with  
threshold value setting

## Function

- Convenient setting of threshold values at the transmitter
- Slide switch for easy changing between manual and automatic mode
- Enables the programming of 2 freely selectable intermediate positions
- Single or central control unit

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	LR03 (AAA)
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Type of mounting</b>	surface mounted

Item no. 4033 000 009 0



**EasyControl EC142-II**  
2-channel hand-held  
transmitter

## Function

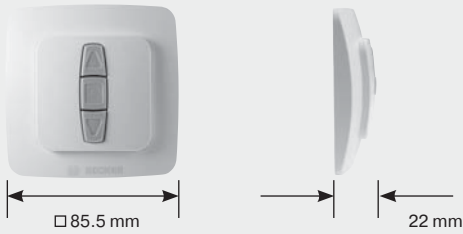
- 2 channels with LED display
- Enables the programming of 2 freely selectable intermediate positions
- Single, group or central control unit
- Metal ring for attachment to key ring

## Technical data

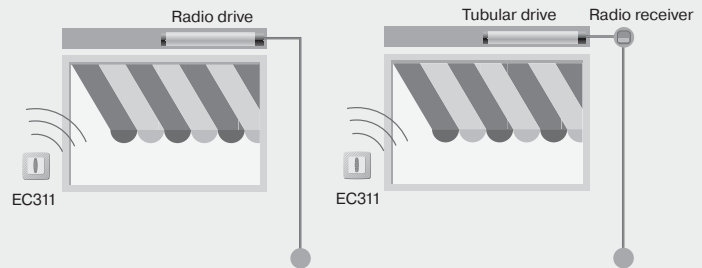
<b>Colour</b>	Black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2032
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

Item no. 4034 000 210 1

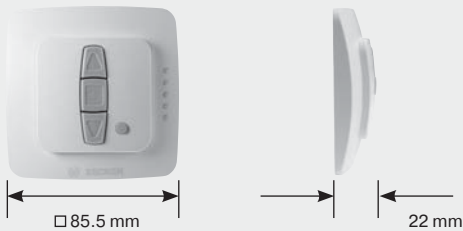
### Dimensions



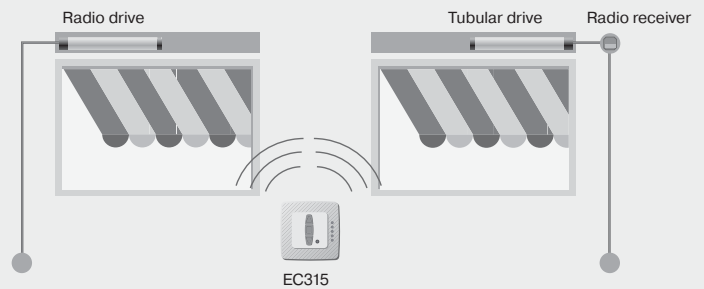
### Functional principle – typical wiring diagram



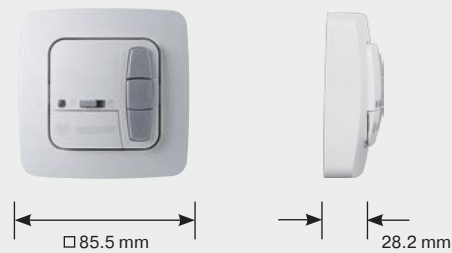
### Dimensions



### Functional principle – typical wiring diagram



### Dimensions



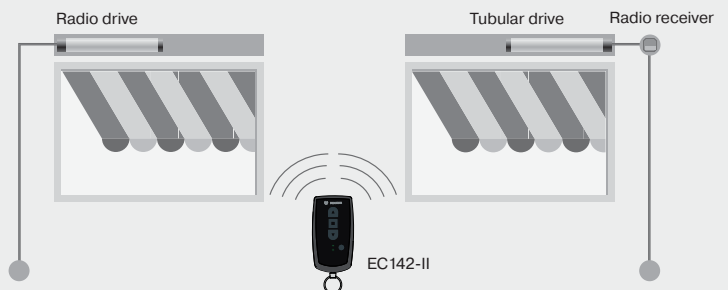
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram



# Centronic radio transmitters



**EasyControl EC541-II**  
1-channel hand-held transmitter

## Function

- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single or central control unit

## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

<b>Item no. white</b>	4034 000 201 0
<b>Item no. black</b>	4034 000 201 1



**EasyControl EC541-II**  
1-channel hand-held transmitter

## Function

- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single or central control unit

## Technical data

<b>Colour</b>	Red/blue
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

<b>Item no. red</b>	4034 000 201 3
<b>Item no. blue</b>	4034 000 201 2



**EasyControl EC545-II**  
5-channel hand-held transmitter

## Function

- 5 channels with LED display
- Enables the programming of 2 freely selectable intermediate positions per channel
- Wall bracket with rear labelling panel
- Single, group or central control unit

## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

<b>Item no. white</b>	4034 000 202 0
<b>Item no. black</b>	4034 000 202 1



**EasyControl EC545-II**  
5-channel hand-held transmitter

## Function

- 5 channels with LED display
- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single, group or central control unit

## Technical data

<b>Colour</b>	Red/blue
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

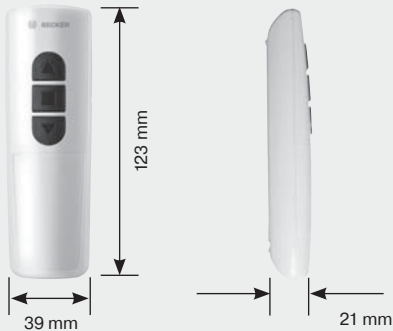
<b>Item no. red</b>	4034 000 202 3
<b>Item no. blue</b>	4034 000 202 2



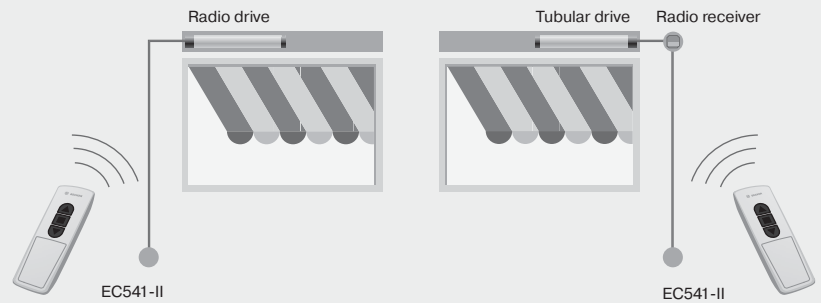
Sample box, see p. 141



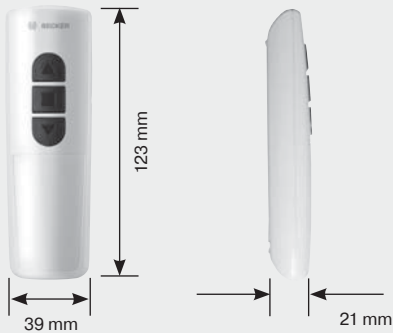
### Dimensions



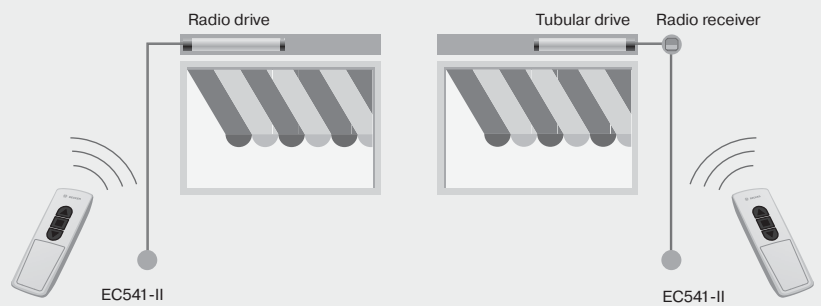
### Functional principle – typical wiring diagram



### Dimensions



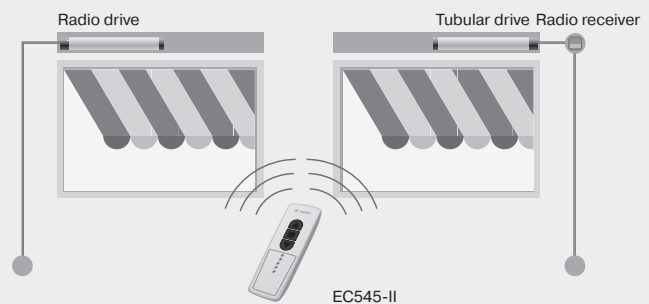
### Functional principle – typical wiring diagram



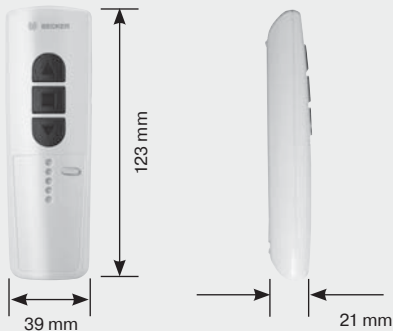
### Dimensions



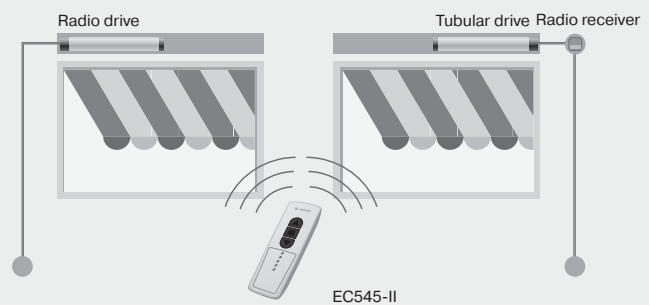
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram



# Centronic radio transmitters



**EasyControl EC5410-II**  
10-channel hand-held transmitter

## Function

- Easy-to-read 10-channel display with 3-coloured LEDs
- Enables the programming of 2 freely selectable intermediate positions per channel
- Wall bracket with rear labelling panel
- Single, group or central control unit

## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	- 10 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no. white</b>	4034 000 203 0
<b>Item no. black</b>	4034 000 203 1



**SunWindControl SWC241-II**  
1-channel hand-held transmitter  
with wind threshold value setting

## Function

- Convenient setting of wind threshold value at the transmitter
- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single or central control unit

## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	- 10 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no. white</b>	4033 000 201 0
<b>Item no. black</b>	4033 000 201 1



**SunWindControl SWC441-II**  
Hand-held transmitter with  
sun/wind threshold value setting

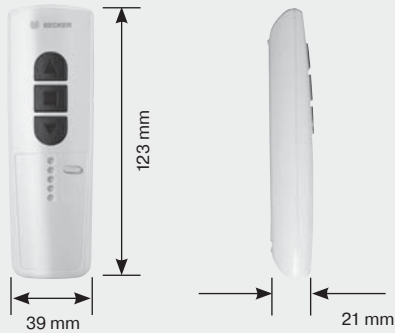
## Function

- Convenient setting of sun and wind threshold values at the transmitter
- Slide switch for easy changing between manual and automatic mode
- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single or central control unit

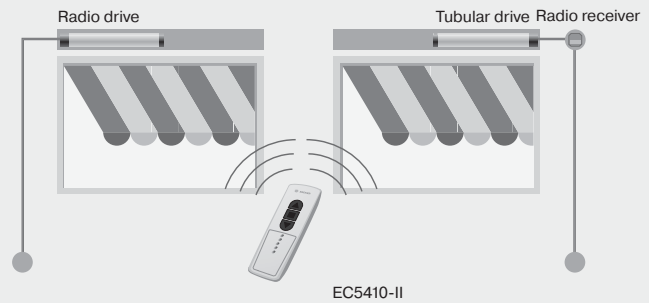
## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	- 10 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no. white</b>	4033 000 202 0
<b>Item no. black</b>	4033 000 202 1

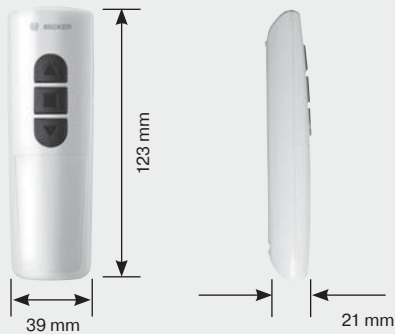
### Dimensions



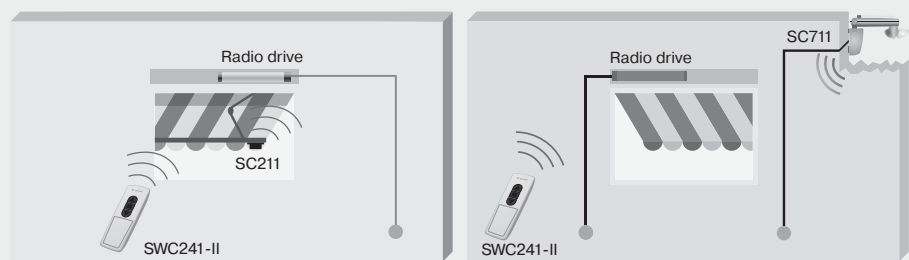
### Functional principle – typical wiring diagram



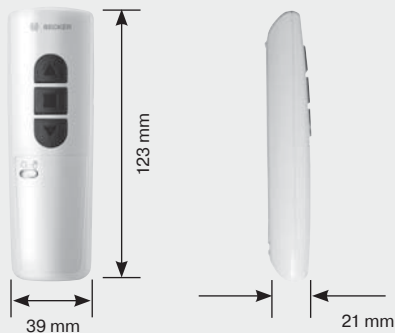
### Dimensions



### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram





# Centronic radio transmitters



**SunWindControl SWC442-II**  
2-channel hand-held transmitter  
for sun, wind and light control

## Function

- As for SWC441-II, with additional light button (2nd channel) for ON/OFF switching and dimming (with VC220 radio dimmer) of lights and lighting systems

## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

<b>Item no. white</b>	4033 000 203 0
<b>Item no. black</b>	4033 000 203 1



**SunWindControl SWC545-II**  
5-channel hand-held transmitter with threshold value setting and display

## Function

- Date, time and threshold values preset
- Slide switch for easy changing between manual and automatic mode
- Automatic shade time individually adjustable
- Automatic summer/winter time adjustment
- Enables the programming of 2 freely selectable intermediate positions per channel
- Wall bracket with rear labelling panel
- Single, group or central control unit

## Technical data

<b>Colour</b>	White/black
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	LR03 (AAA)
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

<b>Item no. white</b>	4033 000 204 0
<b>Item no. black</b>	4033 000 204 1



**VarioControl VC421**  
Flush-mounted radio transmitter

## Function

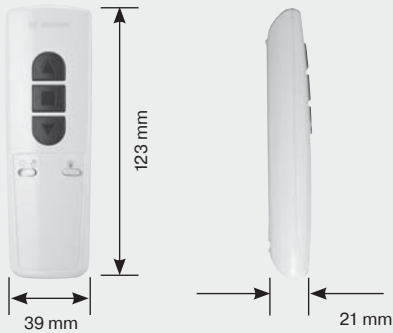
- Switch inputs allow Becker radio products to be operated using wired control units from other manufacturers
- Central inputs for compatible wired Centronic control units
- Single or central control unit

## Technical data

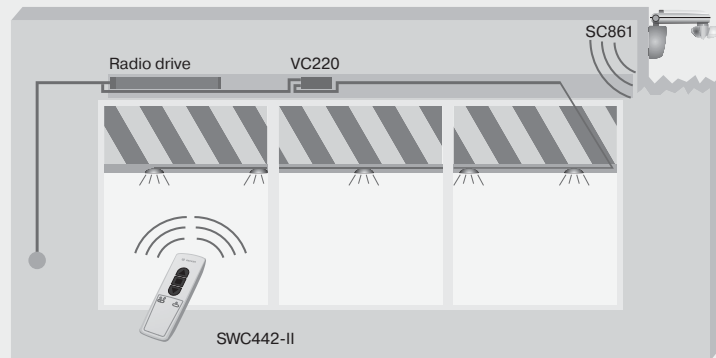
<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted in switch box ø 58 mm
<b>Radio frequency</b>	868.3 MHz

<b>Item no.</b>	4034 000 009 0
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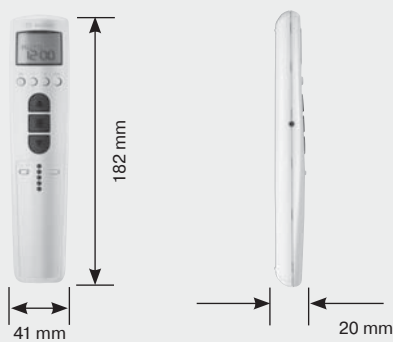
*Dimensions*



*Functional principle – typical wiring diagram*



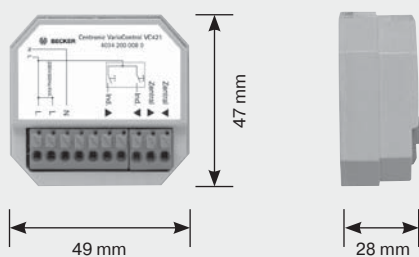
*Dimensions*



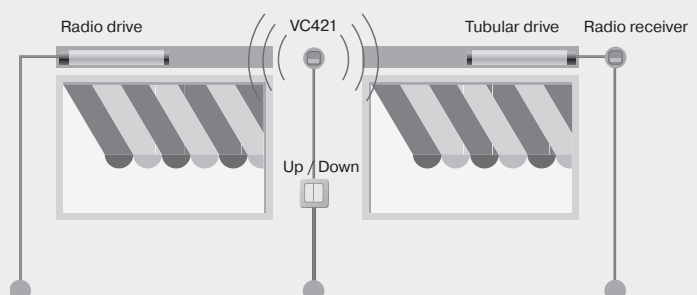
*Functional principle – typical wiring diagram*



*Dimensions*



*Functional principle – typical wiring diagram*



# Centronic radio receivers



**UnitControl UCS520**  
Single control unit with  
radio receiver

## Function

- Integrated radio receiver
- An additional operator control can be connected
- Storage of threshold value and LED display for alarm signals (e.g. wind alarm)
- 2 freely selectable intermediate positions can be programmed
- Slide switch for easy changing between manual and automatic mode
- Single, group or central control unit

## Technical data

<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Switching current</b>	5 A/230 V at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted $\varnothing$ 58 mm wall mounting
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4031 000 006 0



**VarioControl VC180**  
Radio socket

## Function

- Enables ON/OFF switching of a range of 230 V plug-in devices
- Enables reduction of standby current consumption
- Timed ON/OFF switching of powered devices
- Enables switching between scenes
- Can be programmed to recognise up to 14 Centronic transmitters

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	230-240 V AC/50 Hz
<b>Switching power</b>	max. 2300 W or 10 A
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4034 000 031 0



**VarioControl VC220**  
Radio dimmer for  
lighting equipment

## Function

- ON/OFF switching and dimming of lamps
- Single, group and central control of lamps and lighting equipment
- Special sun protection hand-held transmitter SWC442-II with separate light/dimmer switch available
- Can be programmed to recognise up to 16 Centronic transmitters

## Technical data

<b>Rated voltage</b>	230-240 V AC/50 Hz
<b>Switching power</b>	400 W at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 44
<b>Class of protection</b>	II (only if correctly mounted)
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Type of mounting</b>	in sun protection system
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4034 000 016 0



**VarioControl VC470-II**  
Plug-in radio receiver

## Function

- Awning and blind mode
- Standardised plug connection
- Intermediate and turnover position
- Memo function
- Storage of threshold value
- Adjustable direction of rotation



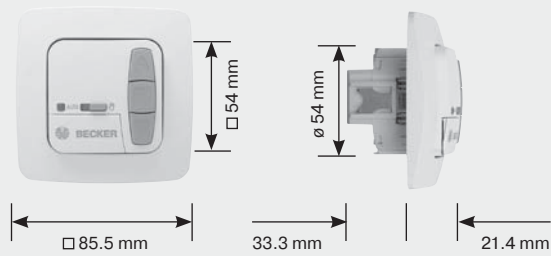
**Surface-mounted housing for VC470-II**  
Item no. 4034 200 061 0

## Technical data

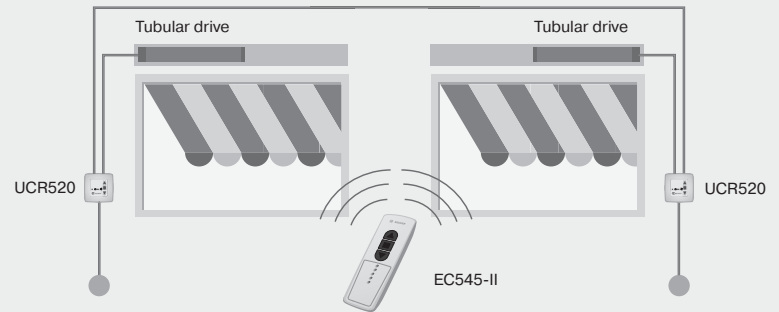
<b>Rated voltage</b>	230-240 V AC/50Hz
<b>Switching current</b>	5A /230-240 V at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II (only if correctly mounted)
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Type of mounting</b>	in or on head rail.
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4034 000 212 0



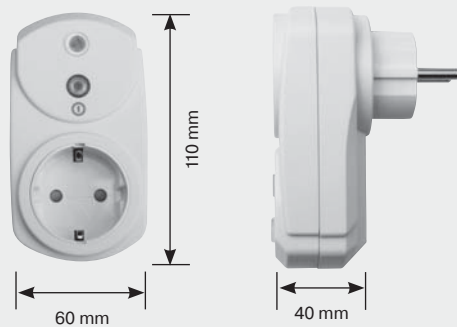
### Dimensions



### Functional principle – typical wiring diagram



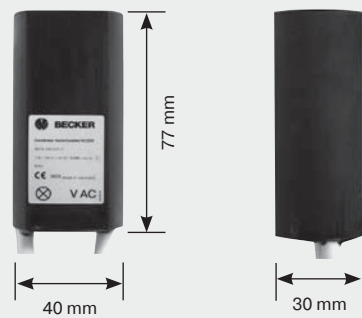
### Dimensions



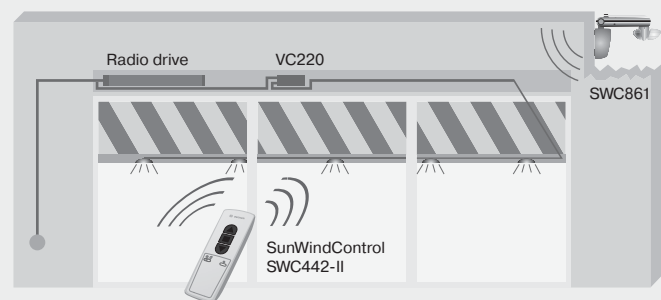
### Functional principle – typical wiring diagram



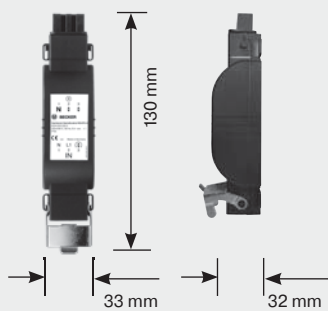
### Dimensions



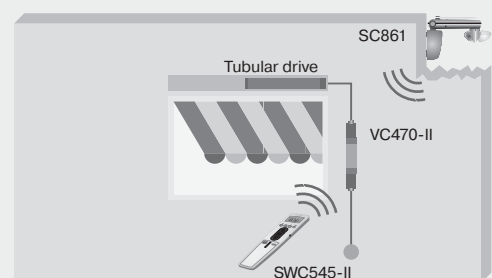
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram



# Centronic radio receivers



**VarioControl VC420**  
Radio receiver  
flush mounted

## Function

- Any kind of button can be connected
- Can also be used as lighting control unit
- Blind mode: Exact adjustment of blind laths in touch mode
- 2 freely selectable intermediate positions can be programmed
- Can be programmed to recognise up to 16 Centronic transmitters

**VarioControl VC410 radio receiver sur-  
face mounted**  
Item no. 4034 000 008 0

## Technical data

<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Switching current</b>	3 A/230 V at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted in switch box $\varnothing$ 58 mm
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4034 000 007 0



**VarioControl VC520**  
Potential free radio receiver

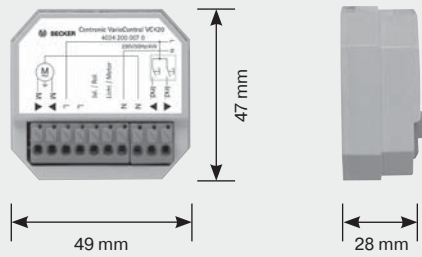
## Function

- Potential free switching contact
- Central inputs for compatible Centronic control units
- Blind mode: Exact adjustment of blind laths in touch mode
- 2 freely selectable intermediate positions can be programmed
- Can be programmed to recognise up to 16 Centronic transmitters

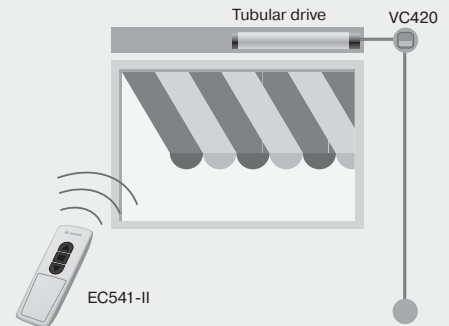
## Technical data

<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Switching current</b>	3 A/230 V at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted in switch box $\varnothing$ 58 mm
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4034 000 011 0

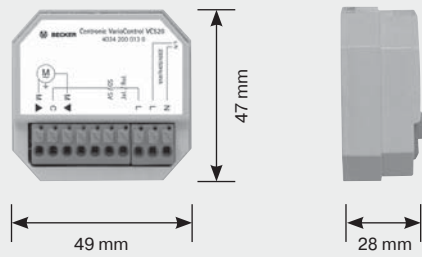
### Dimensions



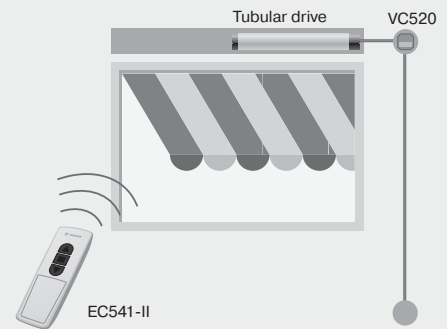
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram





# Centronic radio sensors



**SensorControl SC211**  
Awning radio movement  
sensor

## Function

- Sensor specially for articulated-arm awning\*
- Discrete mounting directly on front section
- Optimum monitoring of wind movements directly on the front section of the awning
- Tilt sensor safeguards the awning against overload, such as those caused by water collection
- Convenient setting of wind threshold values at the transmitter (e.g. SWC241-II)

## Technical data

<b>Rated voltage</b>	3 V DC
<b>Degree of protection</b>	IP 44
<b>Battery type</b>	LR03 (AAA)
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Type of mounting</b>	Directly on front section
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4033 000 037 0

\* **Note:** The SC211 is intended solely for the operation of an open, half-closed (semi-cassette) or fully closed (cassette) articulated-arm awning and is compatible with all Becker tubular drives (Ø45, Ø58) of types PSF(+) upwards of series (serial no.) 0902...



**SunWindControl SWC510**  
Sun/wind sensor and radio  
control

## Function

- Sun and wind sensor with integrated radio receiver
- Ideal for retrofitting a wired sun protection drive with radio control unit and sun/wind monitoring
- Convenient setting of sun and wind threshold values at the transmitter (e.g. SWC441-II)
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

## Technical data

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4033 000 022 0



**SensorControl SC561**  
Solar radio sun sensor

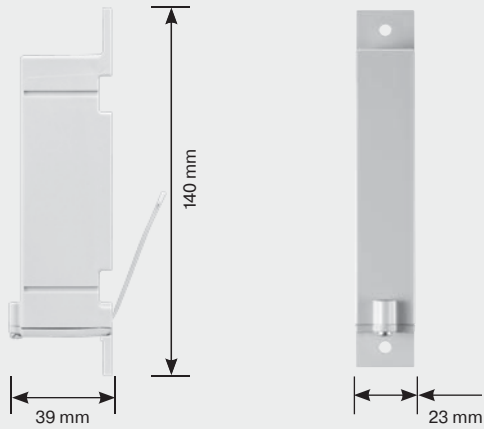
## Function

- With integrated solar power supply there is no need to lay cables to the main power supply
- Convenient setting of sun threshold values at the transmitter (e.g. SWC441-II)
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

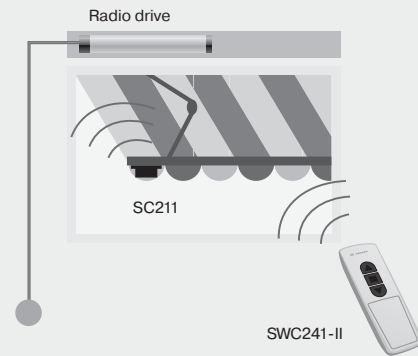
## Technical data

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4033 000 029 0

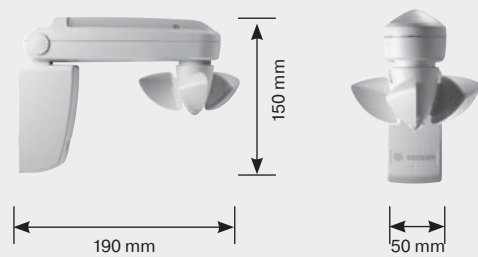
### Dimensions



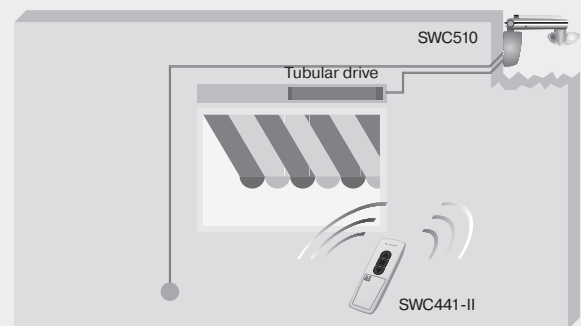
### Functional principle – typical wiring diagram



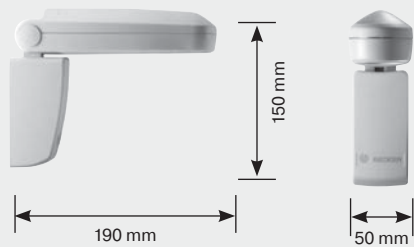
### Dimensions



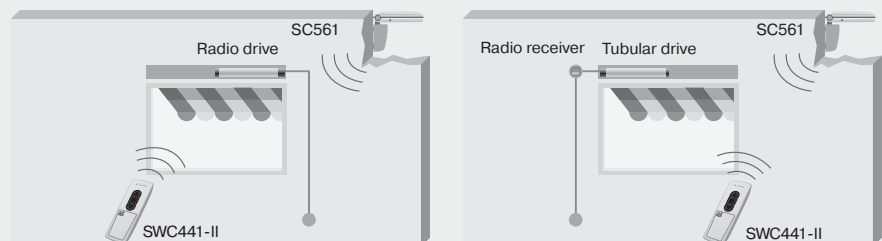
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram





**SensorControl SC711**  
Radio wind sensor

## Function

- Convenient setting of wind threshold values at the transmitter (e.g. SWC241-II)
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

## Technical data

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4033 000 036 0



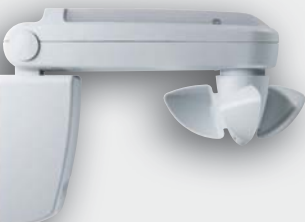
**SensorControl SC811**  
Radio sun/wind sensor

## Function

- Convenient setting of sun and wind threshold values at the transmitter (e.g. SWC441-II)
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

## Technical data

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4033 000 020 0



**SensorControl SC861**  
Solar radio sun/wind sensor

## Function

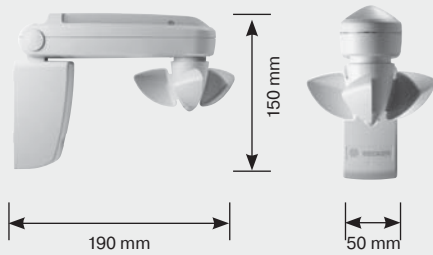
- With integrated solar power supply there is no need to lay cables to the main power supply
- Convenient setting of sun and wind threshold values at the transmitter (e.g. SWC441-II)
- Adjustable sensor foot for optimum mounting
- Can be used with exterior sun protection systems that do not serve as modesty screening
- Single or central control unit

## Technical data

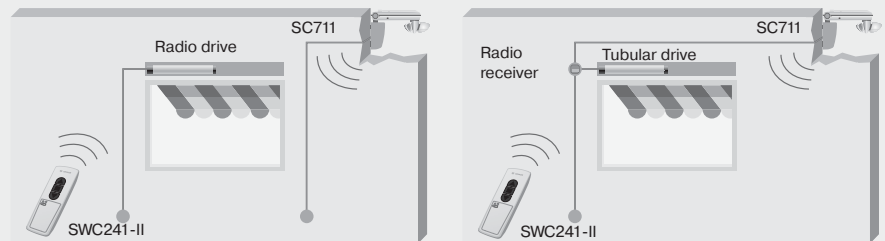
<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz
<b>Item no.</b>	4033 000 021 0



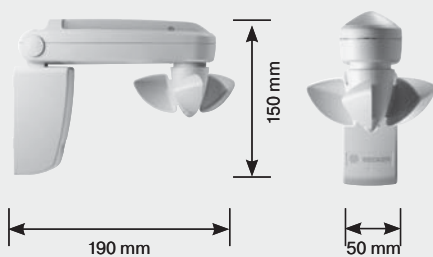
### Dimensions



### Functional principle – typical wiring diagram



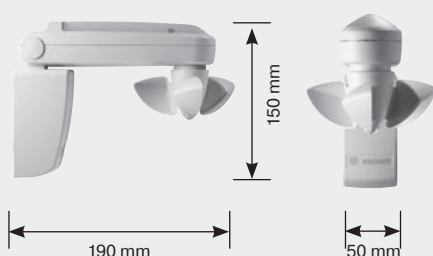
### Dimensions



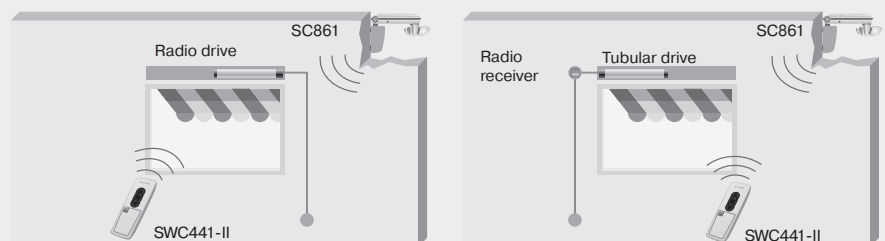
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram



# Centronic radio sets



**Sun-vario set  
SVS241-II**  
Hand-held transmitter with radio receiver

## Function

- Simple radio retrofitting of a motorised sun protection system
- Receiver with standardised plug connection
- Awning and blind mode
- Sun/wind sensors are easy to retrofit
- 2 freely selectable intermediate positions

## Technical data

### EC541-II

<b>Colour</b>	White
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	CR2430
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Type of mounting</b>	incl. wall bracket
<b>Radio frequency</b>	868.3 MHz

## Technical data

### VC470-II

<b>Rated voltage</b>	230-240 V AC/50Hz
<b>Switching current</b>	5A /230-240 V at cos = 1
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II (only if correctly mounted)
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Type of mounting</b>	in or on head rail. Surface-mounted housing available on request
<b>Radio frequency</b>	868.3 MHz

**Item no. Set** 4033 000 212 0



**SunWindSet SWS241-II**  
Sun/wind control unit with integrated radio receiver  
with hand-held transmitter

## Function

- Convenient setting of sun and wind threshold values at transmitter SWC441-II
- Slide switch for easy changing between manual and automatic mode
- Sun and wind sensor with integrated radio receiver
- Ideal for retrofitting a wired sun protection drive with radio control unit and sun/wind monitoring
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

## Technical data

### SWC441-II

<b>Colour</b>	White
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	LR03 (AAA)
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

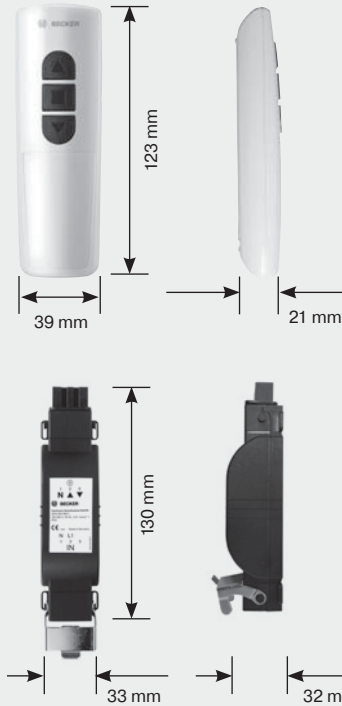
## Technical data

### SWC510

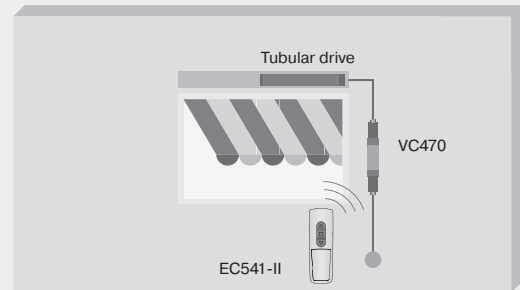
<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz

**Item no. Set** 4033 000 024 0

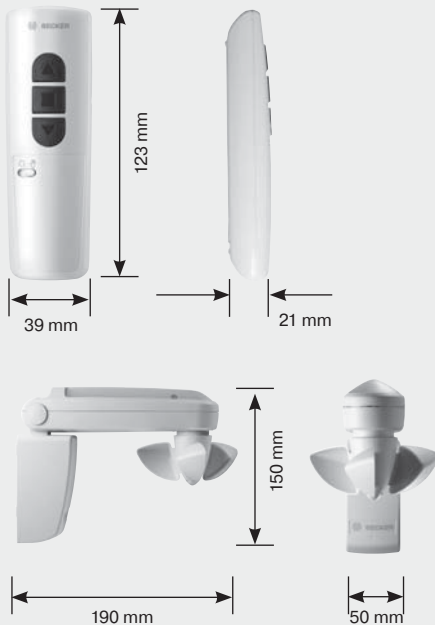
### Dimensions



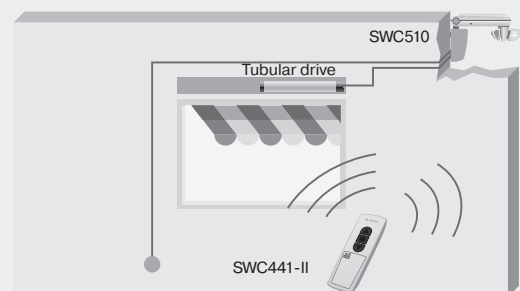
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram







**SunWindSet SWS441-II**  
Radio sun/wind sensor with hand-held transmitter

## Function

- Convenient setting of sun and wind threshold values at transmitter SWC441-II
- Slide switch for easy changing between manual and automatic mode
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

## Technical data

### SWC441-II

<b>Colour</b>	White
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	LR03 (AAA)
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

## Technical data

### SC811

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz

**Item no. Set** 4033 000 212 0



**SunWindSet SWS641-II**  
Solar radio sun/wind sensor with hand-held transmitter

## Function

- Convenient setting of sun and wind threshold values at transmitter SWC441-II
- Slide switch for easy changing between manual and automatic mode
- With integrated solar power supply there is no need to lay cables to the main power supply
- Adjustable sensor foot for optimum mounting
- Can be used with exterior sun protection systems that do not serve as modesty screening
- Single or central control unit

## Technical data

### SWC441-II

<b>Colour</b>	White
<b>Rated voltage</b>	3 V DC
<b>Battery type</b>	LR03 (AAA)
<b>Degree of protection</b>	IP 20
<b>Permissible ambient temperature</b>	-10 to +55°C
<b>Radio frequency</b>	868.3 MHz

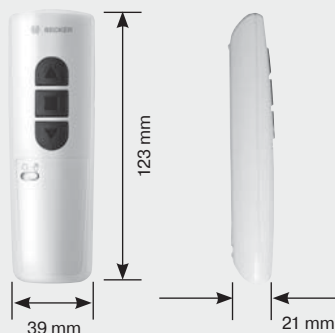
## Technical data

### SC861

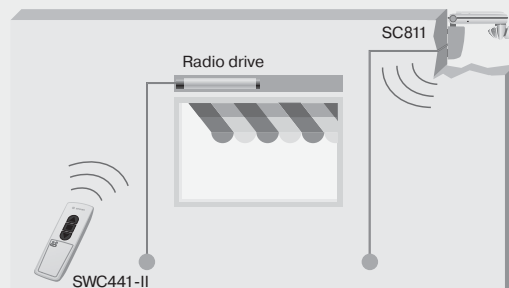
<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Radio frequency</b>	868.3 MHz

**Item no. set** 4033 000 209 0

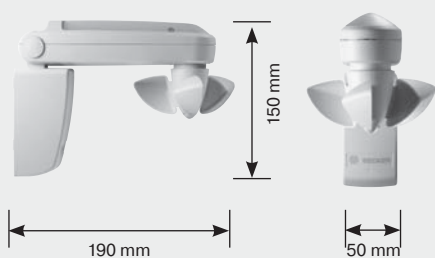
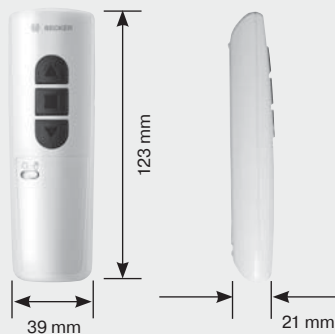
### Dimensions



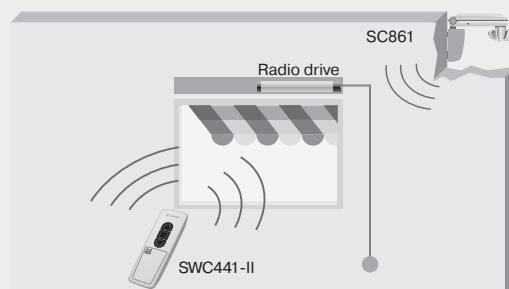
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram









## Drives for wired control units



### Sun protection drives

P5/20C M – P13/9C M	56
R7/17M – R50/11C M	58
L44/14C M – L120/11C M	60
P5/20PS – P9/16PS	62
R8/17C PS – R50/11C PS(+)	64
L44/14C PS(+) – L120/11C PS(+)	66
R20/17C SE B0 – R50/11C SE B0	68
L44/14C SE B0 – L120/11C SE B0	70
R8/17SE	72
R20/17SE I1 – R40/17SE I1	74
L50/17SE I1 – L120/11SE I1	76



### Centronic – wired control units

EC41	78
EC42	78
EC52	78
UC42	78
UC52	80
SWC52	80



### Centronic – wired sensors

SC71	82
SC81	82



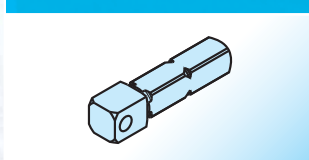
### Centronic – wired wind and sun protection sets

WS11	84
SWS42	84



### Electrical accessories

86



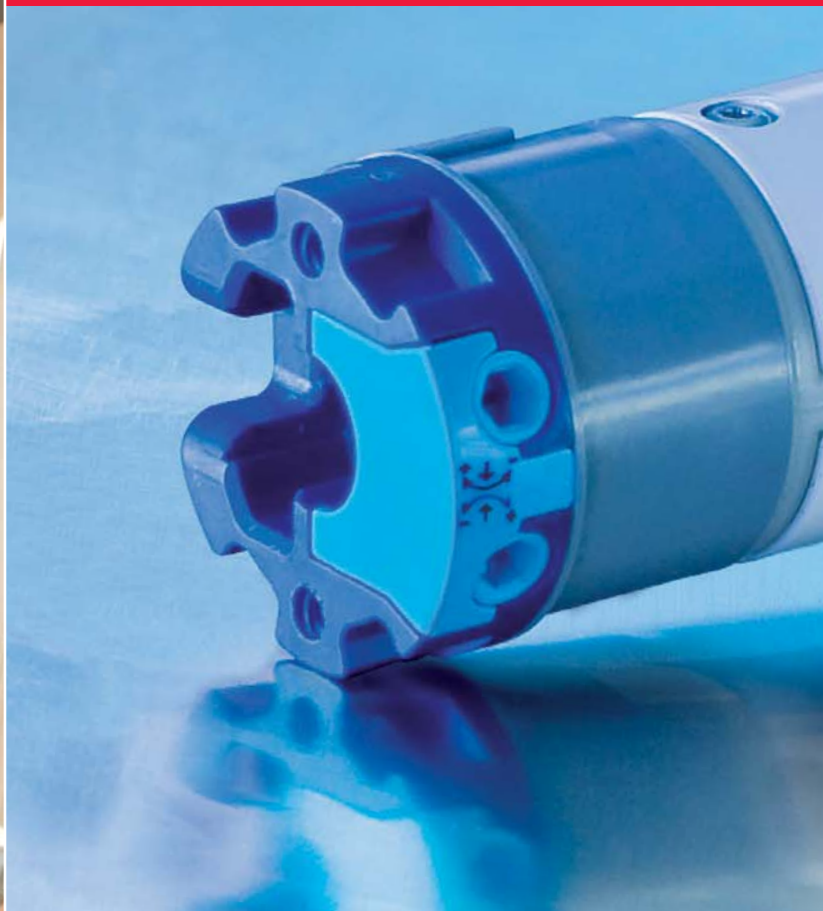
### Mechanical accessories

92

# Sun protection drives with mechanical limit switch for barrels



P5/20C M - P13/9C M



## SPECIAL FEATURE!

Drive cable, ring and drive adapter can be mounted/  
disassembled without screws

## Technical data

Designation	Item number with bracket	Item number without connecting piece	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power con- sumption (W)	Connecting cable (m)
P5/20C M	2009 110 100 0	2009 110 101 0	5	20	38	0.47	115	2
P5/30C M	2009 110 102 0	2009 110 103 0	5	30	38	0.47	115	2
P9/16C M	2009 110 104 0	2009 110 105 0	9	16	38	0.47	110	2
P13/9C M	2009 110 106 0	2009 110 107 0	13	9	38	0.47	115	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



> Ø 38 mm



## Additional features



**Mechanical limit switch**

**Can be used for roller shutters and sun protection systems**

**Suitable for right and left installation**



**Classic limit position adjustment by means of setting tools**

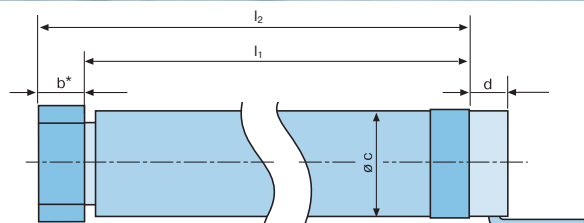


**Motor head can be overwrapped**

**Motor protected against over-heating**



**Plug-in connecting cable**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	539	556	35	12
17	539	556	35	12
17	539	556	35	12
17	539	556	35	12

\* Drive adapter width of 40x1/42x2 (4930 300 086 0) page 97, selection of a different drive adapter will change dimension l<sub>2</sub>

## Recommended Centronic control units for the M series



**Centronic EasyControl EC41**  
Switch/button



**Centronic UnitControl UC42**  
Single control unit



**Centronic SunWindSet SWS42**  
Sun/wind control unit with sensor





# Sun protection drives with mechanical limit switch for barrels



R7/17M – R50/11C M



## SPECIAL FEATURE!

**An introduction** to the motorisation of roller shutters and sun protection systems. **Special feature:** Drive cable, mounting pin, ring and drive adapter can be mounted/disassembled without screws.

## HIGHLIGHT!

**“Short” drive** R7/17M for narrow screens.

## Technical data

Designation	Item number	Item number “zip screen” model1**	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power con- sumption (W)	Connect- ing cable (m)
R7/17M*	2010 110 041 0	–	7	17	17	0.45	90	3
R8/17C M	2010 110 100 0	–	8	17	38	0.45	100	2
R12/17C M	2010 110 101 0	2010 110 103 0	12	17	38	0.50	110	2
R20/17C M	2020 110 100 0	2020 110 102 0	20	17	38	0.75	160	2
R30/17C M	2030 110 100 0	2030 110 101 0	30	17	38	0.90	205	2
R40/17C M	2040 110 100 0	2040 110 101 0	40	17	38	1.15	260	2
R50/11C M	2050 110 100 0	–	50	11	38	1.10	240	2

\* not plug-in **Rated voltage:** 230V AC/50Hz **Operating mode:** S2 4 min **Degree of protection:** IP44 **C-Plug, p. 22**

\*\* Ring with narrow lug for “zip screen” adapter



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

> Ø 50 mm



**C+plug**

## Additional features



**Mechanical limit switch**

Can be used for roller shutters and sun protection systems

Suitable for right and left installation



Classic limit position adjustment by means of setting tools

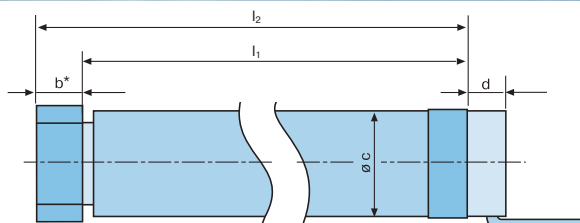


Motor head can be overwrapped

Motor protected against overheating



Plug-in connecting cable



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
40	355	395	45	17
40	415	455	45	17
40	411	451	45	17
40	444	484	45	17
40	569	609	45	17
40	589	629	45	17
40	627	667	45	17

\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>

## Recommended Centronic control units for the M series



**Centronic EasyControl EC42**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control



**Centronic SunWindSet SWS42**  
Sun/wind control unit with sensor





# Sun protection drives with mechanical limit switch for barrels



L44/14C M – L120/11C M



## SPECIAL FEATURE!

The versatile classic for various applications.

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
L44/14C M	2044 110 100 0	44	14	36	1.2	255	2
L60/11C M	2060 110 100 0	60	11	36	1.2	265	2
L80/11C M	2080 110 100 0	80	11	36	1.4	310	2
L120/11C M	2120 110 100 0	120	11	36	1.9	435	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



> Ø 63 mm



## Additional features



Mechanical limit switch

Can be used for roller shutters and sun protection systems

Suitable for right and left installation



Classic limit position adjustment by means of setting tools

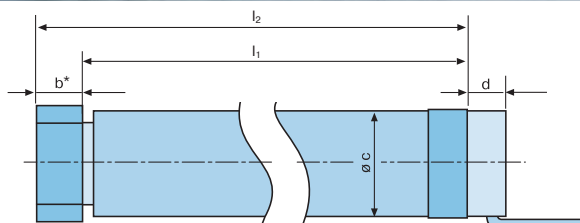


Motor head can be over-wrapped

Motor protected against over-heating



Plug-in connecting cable



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	673	703	58	20
30	673	703	58	20
30	673	703	58	20
30	673	703	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>

## Recommended Centronic control units for the M series



**Centronic EasyControl EC52**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control



**Centronic SunWindControl SWC52**  
Sun/wind control unit



# “Universal” sun protection drives with electronic limit switch

P5/20PS – P9/16PS



## THE ADVANTAGE!



**Setting of limit positions** via switch on the drive head without the need of a special adjustment set.

## HIGHLIGHT!

**Universal use in many shade systems, with or without stop.**

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
P5/20PS	2009 030 106 0	5	20	64	0.47	115	3
P5/30PS	2009 030 105 0	5	30	64	0.47	115	3
P9/16PS	2009 030 107 0	9	16	64	0.47	110	3

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 38 mm



### Additional features



**Electronic limit switch**



**Supports parallel connection** without isolating relay



**Blockage detection** in the UP direction



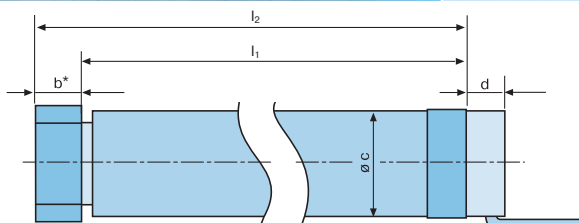
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Motor head can be over-wrapped**



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	450	467	35	12
17	450	467	35	12
17	450	467	35	12

\* Drive adapter width of 40x1/42x2 (4930 300 086 0) page 97, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Recommended Centronic control units for the PS series



**Centronic EasyControl EC42**  
Switch/button



**Centronic SunWindControl SWC52**  
Sun/wind control unit



**Centronic SensorControl SC71**  
Wind sensor for sun/wind control unit SWC52

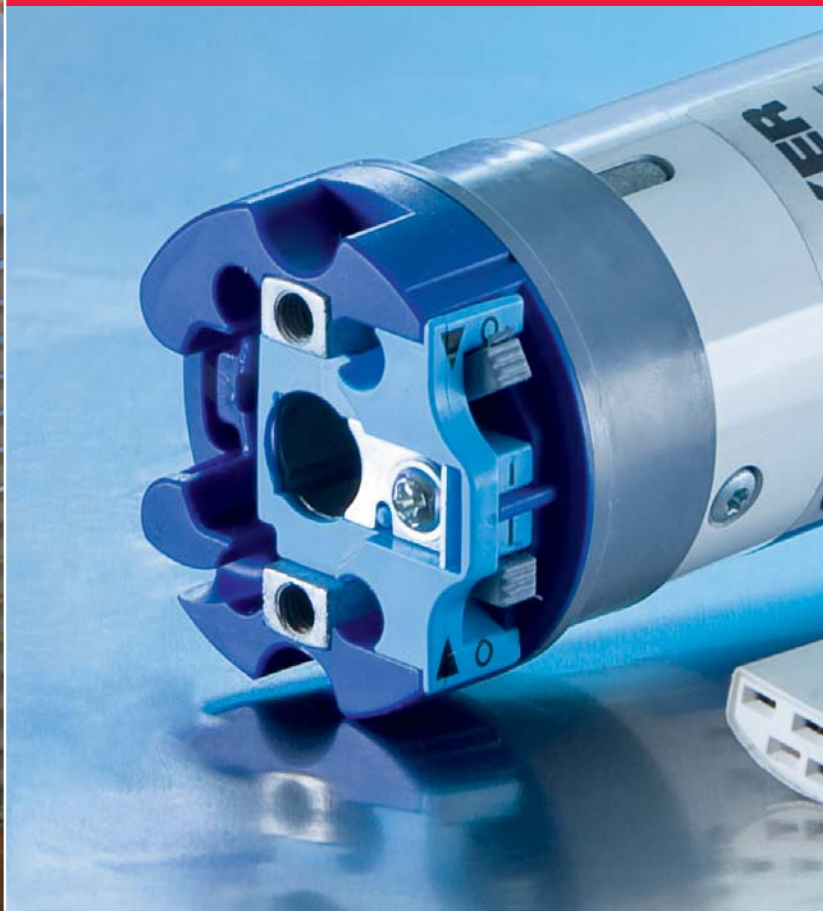




# “Universal” sun protection drives with electronic limit switch



R8/17C PS – R50/11C PS(+)



## THE ADVANTAGE!



**Setting of limit positions** via switch on the drive head without the need of a special adjustment set.

## HIGHLIGHT!

**Universal use in many shade systems, with or without stop.**

## Technical data

Designation	Item number	Item number PS+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R8/17C PS	2010 130 132 0		8	17	64	0.45	100	2
R12/17C PS	2010 130 133 0	2010 130 138 0	12	17	64	0.5	110	2
R20/17C PS	2020 130 126 0	2020 130 129 0	20	17	64	0.75	160	2
R30/17C PS	2030 130 131 0	2030 130 134 0	30	17	64	0.9	205	2
R40/17C PS	2040 130 139 0	2040 130 140 0	37	17	64	1.18	230	2
R50/11C PS	2050 130 141 0	2050 130 143 0	50	11	64	1.1	240	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 50 mm



### Additional features



**Electronic limit switch**



**Motor head can be over-wrapped**



**Blockage detection** in the UP direction



**Supports parallel connection** without isolating relay



**Automatic curtain length adjustment**



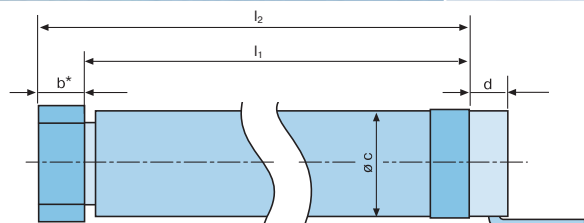
**Plug-in connecting cable**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Higher closing force** for cassette awnings (PS+)



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	476	493	45	17
17	476	493	45	17
17	501	518	45	17
17	553	570	45	17
17	545	562	45	17
17	545	562	45	17

\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Recommended Centronic control units for the PS+ series



**Centronic EasyControl EC42**  
Switch/button



**Centronic UnitControl UC42**  
Single control unit



**Centronic SunWindControl SWC52**  
Sun/wind control unit

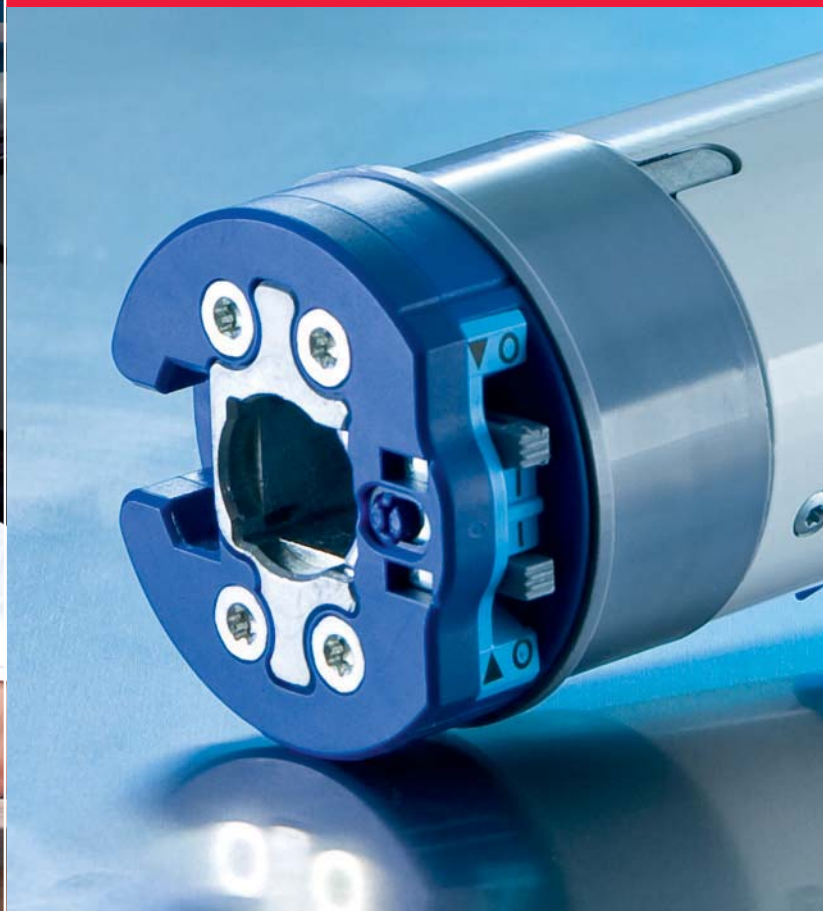




# “Universal” sun protection drives with electronic limit switch



L44/14C PS(+) – L120/11C PS(+)



## THE ADVANTAGE!



**Setting of limit positions** via switch on the drive head without the need of a special adjustment set.

## HIGHLIGHT!

**Universal use in many shade systems, with or without stop.**

## Technical data

Designation	Item number	Item number PS+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
L44/14C PS	2044 130 100 0	2044 130 101 0	44	14	64	1.2	255	2
L50/17C PS	2050 130 142 0	2050 130 148 0	50	17	64	1.4	315	2
L60/11C PS	2060 130 100 0	2060 130 101 0	60	11	64	1.2	265	2
L70/17C PS	2070 130 100 0	2070 130 101 0	70	17	64	1.9	430	2
L80/11C PS	2080 130 127 0	2080 130 129 0	80	11	64	1.4	310	2
L120/11C PS	2120 130 100 0	2120 130 101 0	120	11	64	1.9	435	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



for barrels > Ø 63 mm



### Additional features



Electronic limit switch



Motor head can be over-wrapped



Blockage detection in the UP direction



Supports parallel connection without isolating relay



Automatic curtain length adjustment



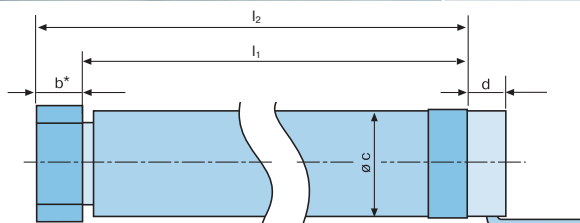
C+plug Plug-in connecting cable



Soft upper stop – optimum adaptation of closing forces for cloth protection



Higher closing force for cassette awnings (PS+)



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	523	553	58	20
30	543	573	58	20
30	523	553	58	20
30	543	573	58	20
30	543	573	58	20
30	573	603	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Recommended Centronic control units for the PS(+) series



**Centronic EasyControl EC42**  
Switch/button



**Centronic UnitControl UC42**  
Single control unit



**Centronic SunWindControl SWC52**  
Sun/wind control unit



# “Reversing” sun protection drives with electrical limit switch



R20/17C SE B0 – R50/11C SE B0



## THE ADVANTAGE!



**Simple setting of limit positions** with adjustment set – limit position on the outside, by pressing button, automatic upper limit position.

## HIGHLIGHT!



**Automatic reversing function** in outer limit position for optimum fabric stretching (e.g. for conservatory awnings).

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R20/17C SE B0	2020 130 112 0	20	17	64	0.75	160	2
R30/17C SE B0	2030 130 112 0	30	17	64	0.9	205	2
R40/17C SE B0	2040 130 112 0	37	17	64	1.18	230	2
R50/11C SE B0	2050 130 112 0	50	11	64	1.1	240	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 50 mm



### Additional features



**Electronic limit switch**



**Supports parallel connection** without isolating relay



**Blockage detection** in the UP direction



**Plug-in connecting cable**



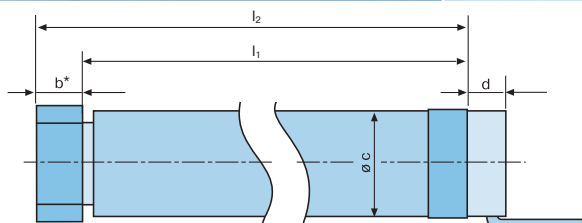
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Motor head can be over-wrapped**



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	501	518	45	17
17	552	569	45	17
17	545	562	45	17
17	545	562	45	17

\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Recommended Centronic control units for the SE B0 series



**Centronic EasyControl EC52**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control



**Centronic SunWindControl SWC52**  
Sun/wind control unit





# “Reversing” sun protection drives with electrical limit switch



L44/14C SE B0 – L120/11C SE B0



## THE ADVANTAGE!



**Simple setting of limit positions** with adjustment set – limit position on the outside, by pressing button, automatic upper limit position.

## HIGHLIGHT!



**Automatic reversing function** in outer limit position for optimum fabric stretching (e.g. for conservatory awnings).

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
L44/14C SE B0	2044 130 112 0	44	14	64	1.2	255	2
L50/17C SE B0	2050 130 113 0	50	17	64	1.4	315	2
L60/11C SE B0	2060 130 112 0	60	11	64	1.2	265	2
L70/17C SE B0	2070 130 112 0	70	17	64	1.9	430	2
L80/11C SE B0	2080 130 112 0	80	11	64	1.4	310	2
L120/11C SE B0	2120 130 112 0	120	11	64	1.9	435	2

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

**C-Plug, p. 22**



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 63 mm

## Additional features



**Electronic limit switch**



**Supports parallel connection** without isolating relay



**Blockage detection** in the UP direction



**Plug-in connecting cable**



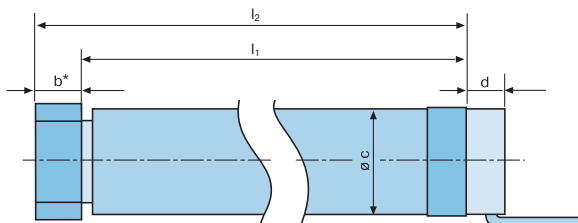
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Motor head can be over-wrapped**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	523	553	58	20
30	543	573	58	20
30	523	553	58	20
30	573	603	58	20
30	543	573	58	20
30	573	603	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>.

## Recommended Centronic control units for the SE B0 series



**Centronic EasyControl EC52**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control

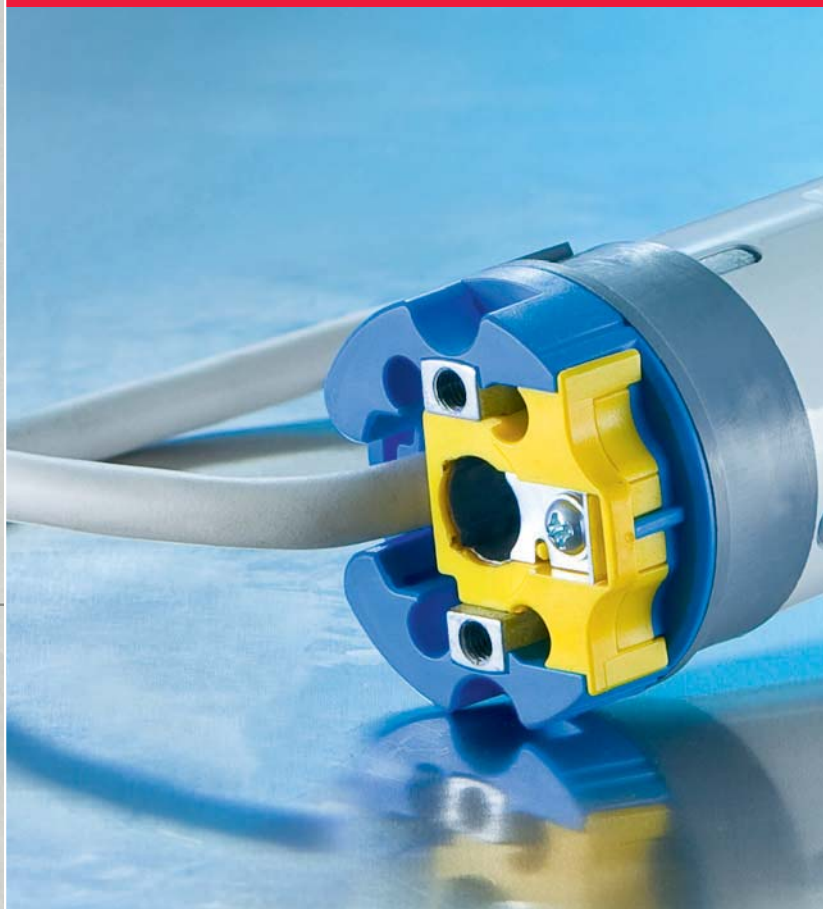


**Centronic SunWindControl SWC52**  
Sun/wind control unit



# “Fixed locking” sun protection drives with electrical limit switch

R8/17SE



## THE ADVANTAGE!

Automatic setting of limit positions  
without special adjustment set.

## HIGHLIGHT!



For wind-resistant screens with locking  
system\*\*

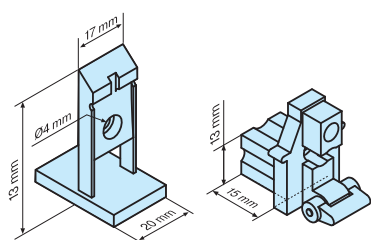
## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R8/17SE	2010 030 117 0	8	17	64	0.45	100	3

Rated voltage: 230V AC/50Hz

Operating mode: S2 4 min

Degree of protection: IP44



\*\* Locking system for screens

Item number 4930 200 195 0

Application

■ R8/17SE



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



for barrels > Ø 50 mm



### Additional features



**Electronic limit switch**



**Supports parallel connection** without isolating relay



**Blockage detection** in the UP direction



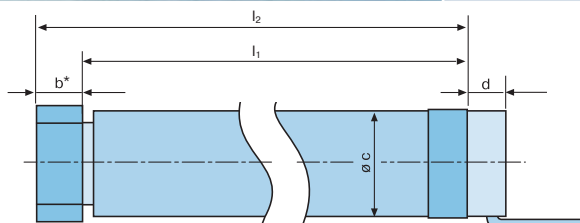
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Motor head can be over-wrapped**



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	476	493	45	17

\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Recommended Centronic control units for the SE series



**Centronic EasyControl EC52**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control

# “Free locking” sun protection drives with electrical limit switch



R20/17SE I1 – R40/17SE I1



## THE ADVANTAGE!



Simple setting of limit positions with adjustment set – locking/unlocking limit position, by pressing button, automatic upper limit position.

## HIGHLIGHT!



For wind-resistant screens – freely programmable locking and unlocking limit position.

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R20/17SE I1	2020 030 126 0	20	17	64	0.75	160	3
R30/17SE I1	2030 030 132 0	30	17	64	0.9	205	3
R40/17SE I1	2040 030 140 0	37	17	64	1.18	230	3

Rated voltage: 230V AC/50Hz

Operating mode: S2 4 min

Degree of protection: IP44



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 50 mm

### Additional features



**Electronic limit switch**



**Supports parallel connection** without isolating relay



**Blockage detection** in the UP direction



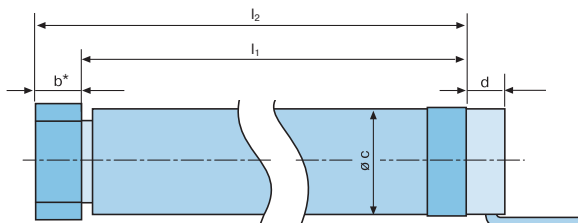
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Motor head can be over-wrapped**



### Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
17	501	518	45	17
17	526	543	45	17
17	545	562	45	17

\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>.

### Recommended Centronic control units for the SE I1 series



**Centronic EasyControl EC52**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control



**Centronic SensorControl SC81**  
Sun/wind sensor for sun/wind control unit SWC52





# “Free locking” sun protection drives with electrical limit switch



L50/17SE I1 – L120/11SE I1



## THE ADVANTAGE!



**Simple setting of limit positions** with adjustment set – locking/unlocking limit position, by pressing button, automatic upper limit position.

## HIGHLIGHT!



**For wind-resistant screens** – freely programmable locking and unlocking limit position

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
L50/17SE I1	2050 030 141 0	50	17	64	1.4	315	3
L70/17SE I1	2070 030 107 0	70	17	64	1.9	430	3
L80/11SE I1	2080 030 127 0	80	11	64	1.4	310	3
L120/11SE I1	2120 030 117 0	120	11	64	1.9	435	3

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44



Wired control units, p. 78



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 99

for barrels > Ø 63 mm

## Additional features



**Electronic limit switch**



**Supports parallel connection** without isolating relay



**Blockage detection** in the UP direction



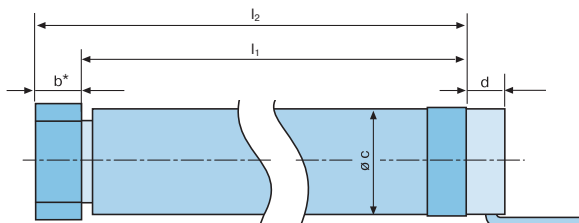
**Automatic curtain length adjustment**



**Soft upper stop** – optimum adaptation of closing forces for cloth protection



**Motor head can be over-wrapped**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	543	573	58	20
30	573	603	58	20
30	543	573	58	20
30	573	603	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>.

## Recommended Centronic control units for the SE I1 series



**Centronic EasyControl EC52**  
Switch/button



**Centronic UnitControl UC52**  
Single control unit with operator control



**Centronic SensorControl SC81**  
Sun/wind sensor for sun/wind control unit SWC52



# Centronic wired control units



**EasyControl EC41**  
Switch/button

## Function

- Can be used as latched or push-button switch
- One function for each button (UP, STOP, DOWN)
- Slim surface mounted housing

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	230 V AC/50 Hz
<b>Switching current</b>	6 A/230 V AC at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	surface mounted

Item no. 4030 000 003 0



**EasyControl EC42**  
Switch/button

## Function

- Can be used as latched or push-button switch
- One function for each button (UP, STOP, DOWN)
- Can be fitted into any flush mounted switch box Ø 58 mm

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	230 V AC/50 Hz
<b>Switching current</b>	6 A/230 V AC at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted Ø 58 mm wall mounting

Item no. 4030 000 002 0



**EasyControl EC52**  
Switch/button

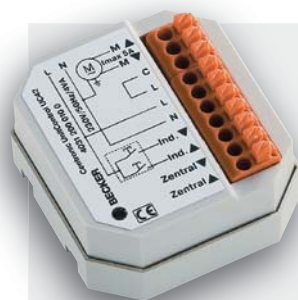
## Function

- Can be used as latched or push-button switch
- One function for each button (UP, STOP, DOWN)
- Adapter frame enables integration in various flush mounted switch ranges (Ø 58 mm)

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	230 V AC/50 Hz
<b>Switching current</b>	6 A/230 V AC at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted Ø 58 mm wall mounting

Item no. 4030 000 001 0



**UnitControl UC42**  
Single control unit

## Function

- Can be combined with any switch range
- Simple installation behind the operator control in any deep flush mounted switch box
- Can be integrated upstream of timers and sun protection controls
- Blind mode: Exact adjustment of blind laths in touch mode

## Technical data

<b>Rated voltage</b>	230 V AC/50 Hz
<b>Switching current</b>	5 A/230 V AC at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 30
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	-40 to +70°C
<b>Type of mounting</b>	flush mounted Ø 58 mm wall mounting

Item no. 4031 000 003 0

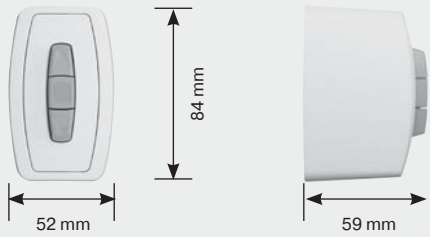


**UC45 single control unit for rail mounting**

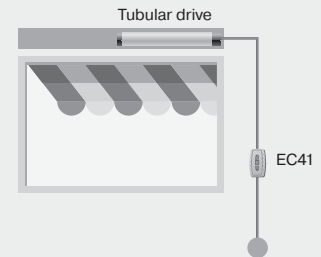
Item no. 4031 000 004 0



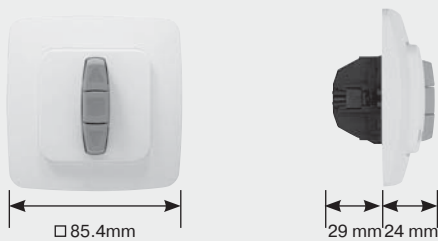
### Dimensions



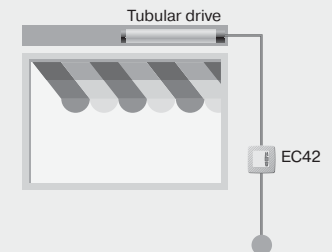
### Functional principle – typical wiring diagram



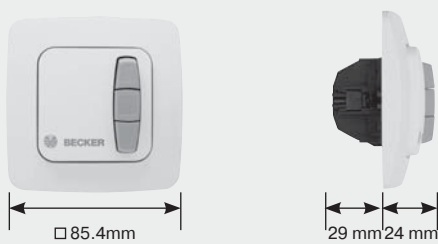
### Dimensions



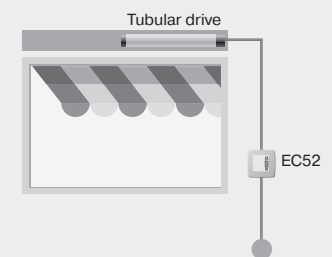
### Functional principle – typical wiring diagram



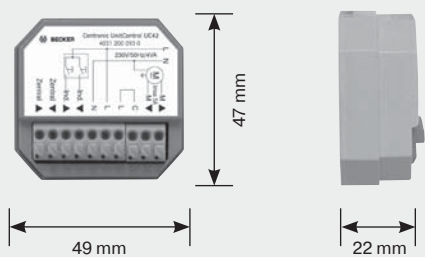
### Dimensions



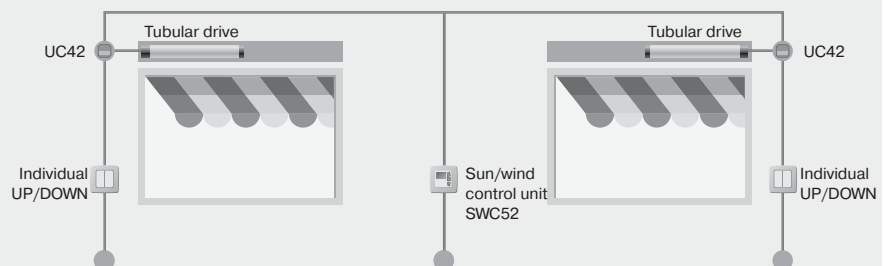
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram



# Centronic wired control units



**UnitControl UC52**  
Single control unit with operator control

## Function

- Slide switch for easy changing between manual and automatic mode
- An additional operator control can be connected
- 2 freely selectable intermediate positions can be programmed
- Blind mode: Exact adjustment of blind laths in touch mode

## Technical data

<b>Colour</b>	Alpine white
<b>Rated voltage</b>	230 V AC/50-60 Hz
<b>Switching current</b>	5 A/230 V AC at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted Ø 58 mm wall mounting

Item no. 4031 000 001 0



**SunWindControl SWC52**  
Sun/wind control unit

## Function

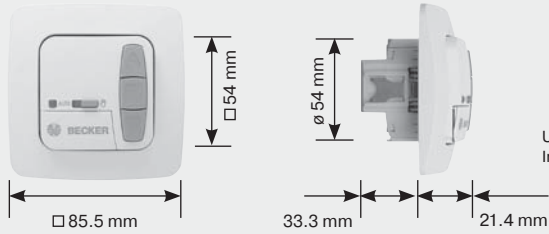
- Date, time and threshold values preset
- Slide switch for easy changing between manual and automatic mode
- Automatic shade time individually adjustable
- Automatic summer/winter time adjustment
- 2 freely selectable intermediate positions can be programmed
- Single, group or central control unit

## Technical data

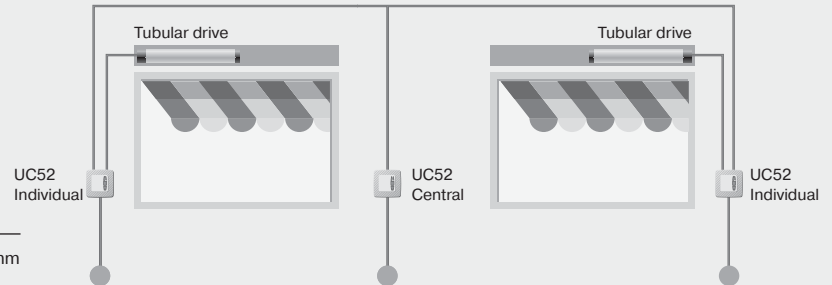
<b>Colour</b>	Alpine white
<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Switching current</b>	5 A/230 V AC at $\cos \varphi = 1$
<b>Battery type</b>	CR 2032
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted Ø 58 mm wall mounting

Item no. 4033 000 001 0

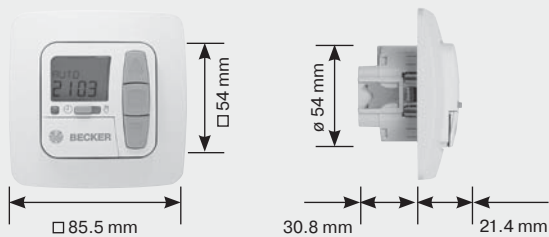
## Dimensions



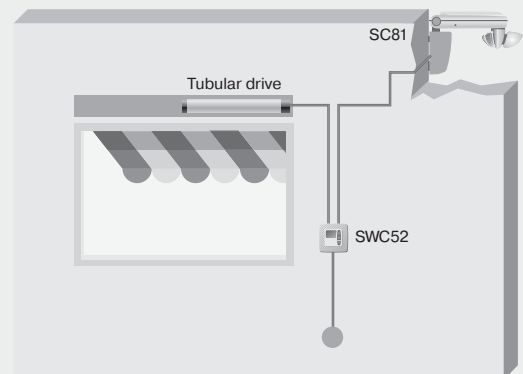
## Functional principle – typical wiring diagram



## Dimensions



## Functional principle – typical wiring diagram







**SunWindControl SC71**  
Wind sensor

### Function

- Wind sensor for sun/wind control unit SWC52
- Convenient setting of wind threshold values on SWC52
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection

### Technical data

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C

**Item no.** 4033 000 018 0



**SunWindControl SC81**  
Sun/wind sensor

### Function

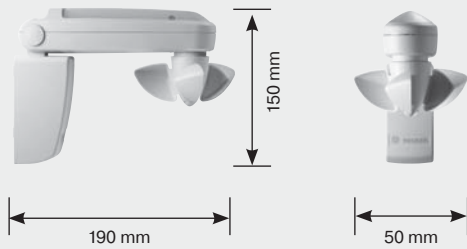
- Sun and wind sensor for sun/wind control unit SWC52
- Convenient setting of sun and wind threshold values on SWC52
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection

### Technical data

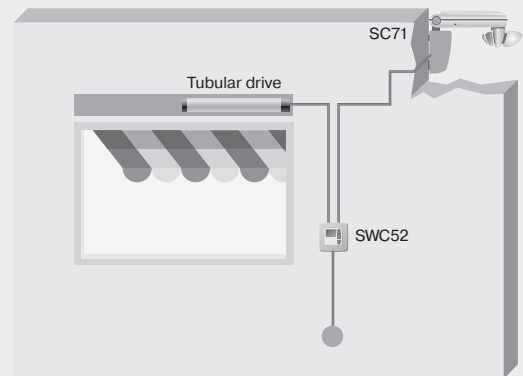
<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C

**Item no.** 4033 000 019 0

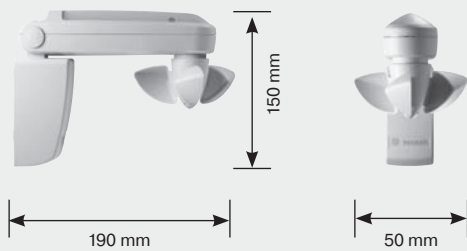
### Dimensions



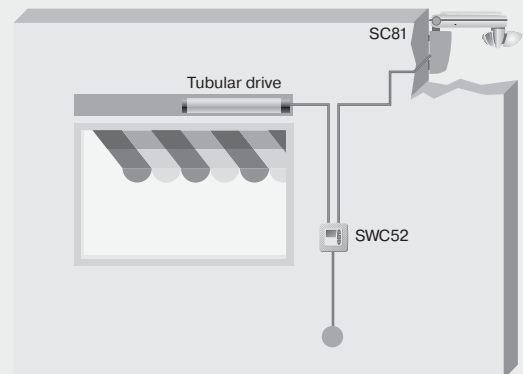
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram



# Centronic wired wind and sun protection sets



## Function

- Simple setting of wind threshold value
- Supports latched switch connection
- Status LED
- Can be used for awnings and blinds

## Technical data WA10

<b>Colour</b>	Light grey
<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Switching current</b>	5A/230-240 V at $\cos \varphi = 1$
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C
<b>Type of mounting</b>	surface mounted



**WindSet WS11**  
Wind sensor with automatic wind protection

## Technical data SC71

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C

**Item no.** 4020 000 042 0



## Function

- Sun and wind sensor for sun/wind control unit SWC52
- Convenient setting of sun and wind threshold values on SWC52
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection

## Technical data SWC52

<b>Colour</b>	White
<b>Rated voltage</b>	230-240 V AC/50-60 Hz
<b>Switching current</b>	5A/230-240 V at $\cos \varphi = 1$
<b>Battery type</b>	CR2032
<b>Degree of protection</b>	IP 20
<b>Class of protection</b>	II
<b>Permissible ambient temperature</b>	0 to +55°C
<b>Type of mounting</b>	flush mounted Ø 58 mm



**SunWindSet SWS42**  
Sun/wind control unit  
with sensor

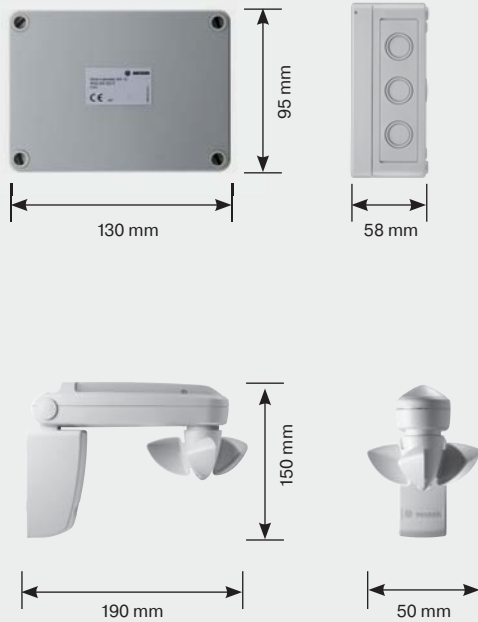
## Technical data SC81

<b>Colour</b>	Light grey
<b>Degree of protection</b>	IP 44
<b>Permissible ambient temperature</b>	-25 to +55°C

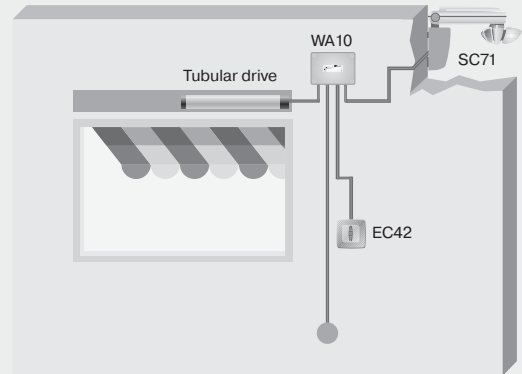
**Item no.** 4033 000 023 0



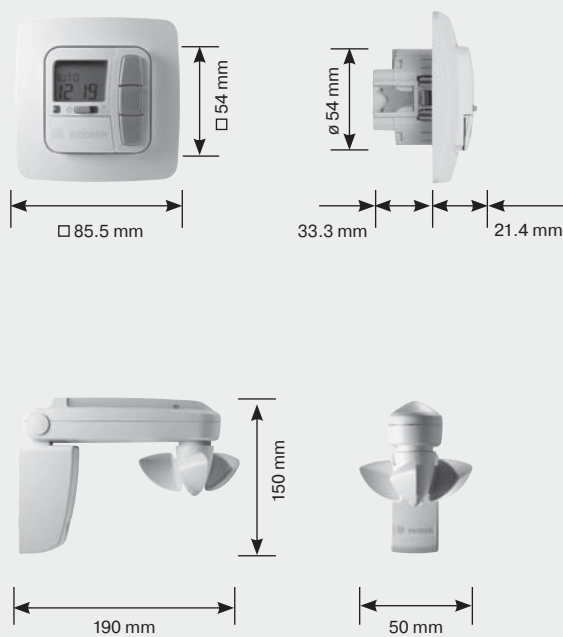
### Dimensions



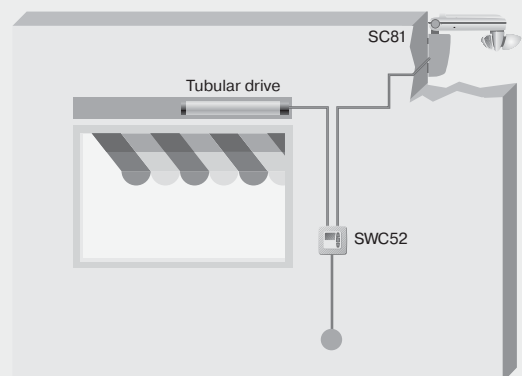
### Functional principle – typical wiring diagram



### Dimensions



### Functional principle – typical wiring diagram





## Rotary switch, 1-pole, flush mounted

Rotary switch for controlling a mechanical or multiple electronic drives or control units with push-button inputs

- 1-pole version
- Complete with full cover plate
- Switchable dead mans/latched switch

## Technical data

<b>Colour</b>	Alpine white/cream white
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP20
<b>Loading capacity</b>	10 A
<b>Type of mounting</b>	flush mounted

Alpine white	
<b>Item number</b>	4901 000 255 0
Cream white	
<b>Item number</b>	4901 000 155 0



## Rotary switch, 1-pole, surface mounted

Rotary switch for controlling a mechanical or multiple electronic drives or control units with push-button inputs

- 1-pole version
- Complete with surface-mounted housing
- Switchable dead mans/latched switch

## Technical data

<b>Colour</b>	Alpine white/cream white
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP44
<b>Loading capacity</b>	10 A
<b>Type of mounting</b>	surface mounted

Alpine white	
<b>Item number</b>	4901 000 253 0
Cream white	
<b>Item number</b>	4901 000 153 0



## Rotary switch, 2-pole, surface mounted

Rotary switch for controlling two mechanical or multiple electronic drives

- 2-pole version
- Complete with frame
- Switchable dead mans/latched switch

## Technical data

<b>Colour</b>	Grey
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP44
<b>Type of mounting</b>	surface mounted

<b>Item number</b>	4901 000 142 0
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### *Rocker switch/ push-button, flush mounted*

Rocker switch/push-button for controlling a mechanical or multiple electronic drives or control units with push-button inputs

- Outputs locked
- 1-pole
- Complete with frame

### *Technical data*

<b>Colour</b>	Alpine white
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP20
<b>Loading capacity</b>	10 A
<b>Type of mounting</b>	flush mounted

Rocker switch	
<b>Item number</b>	4901 000 274 0

Rocker push-button switch	
<b>Item number</b>	4901 000 275 0



### *Rocker switch/ push-button, surface mounted*

Rocker switch/push-button for controlling a mechanical or multiple electronic drives or control units with push-button inputs

- Outputs locked
- 1-pole
- Complete with surface-mounted housing

### *Technical data*

<b>Colour</b>	Grey
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP20
<b>Loading capacity</b>	10 A
<b>Type of mounting</b>	surface mounted

Rocker switch	
<b>Item number</b>	4901 000 140 0

Rocker push-button switch	
<b>Item number</b>	4901 000 144 0



### *Universal key switch*

Key switch with profile semi-cylinder for controlling a mechanical or multiple electronic drives or control units with push-button inputs

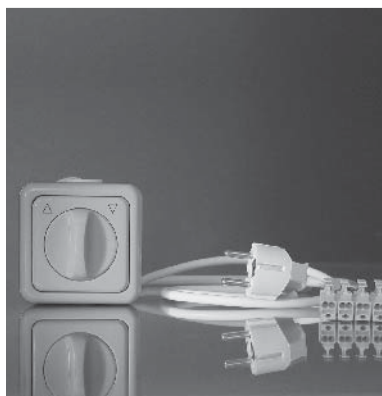
- Latched/dead mans with 1 or 2 sides
- With profile semi-cylinder
- Incl. 3 keys

### *Technical data*

<b>Colour</b>	Frame white
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP54
<b>Loading capacity</b>	5 A
<b>Type of mounting</b>	surface mounted/flush mounted

Different keys	
<b>Item number</b>	4901 000 100 0

Common keys	
<b>Item number</b>	4901 000 200 0



### *Rotary switch set, surface mounted*

Rotary switch set for starting operation of a drive with mechanical limit switching

- 1-pole
- 2 m mains cable
- 3 m connecting cable
- Incl. latch clamp, 4-pole

### *Technical data*

<b>Colour</b>	Grey
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP44
<b>Loading capacity</b>	10 A
<b>Type of mounting</b>	surface mounted

<b>Item number</b>	4901 001 142 0
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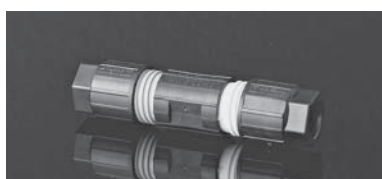
**Quick release  
connection block, 4-pole**

**Item number** 4816 000 004 0



**Quick release  
connection block, 5-pole**

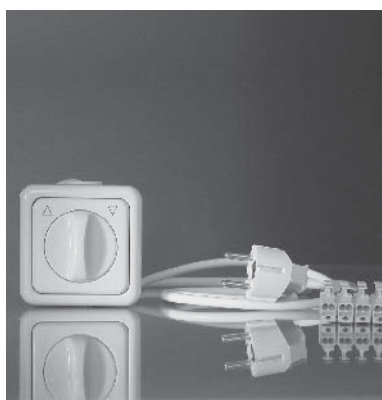
**Item number** 4816 000 005 0



**Quick-connection set  
4-core**

**Item number** 4809 006 002 0

- For core cross-sections 0.34 to 0.75 qmm
- IP 65



**Rotary switch set,  
surface/flush mounted**

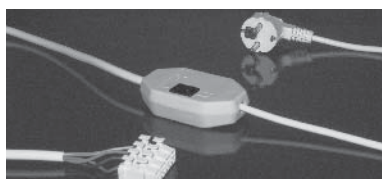
Rotary switch set for starting operation of a drive with mechanical limit switching

- 1-pole
- 1 m mains cable
- 0.7 m connecting cable
- Incl. latch clamp, 4-pole

## Technical data

<b>Colour</b>	Cream white
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP20
<b>Loading capacity</b>	10 A
<b>Type of mounting</b>	surface mounted/flush mounted

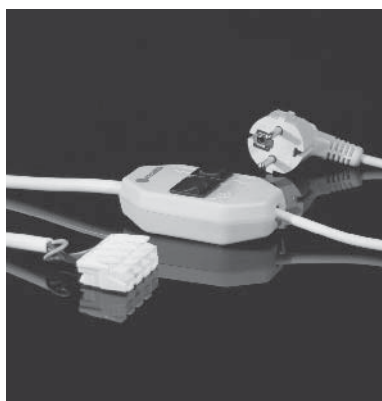
**Item number** 4901 000 158 0



**Setting switch set**

- With latching push-button for conventional drives

**Item number** 4901 002 182 0



**Setting switch  
adjustment set**

Cord switch adjustment set for starting operation of drives with electronic limit switching

- 1-pole
- 2.8 m drive connecting cable
- 2 m mains cable

## Technical data

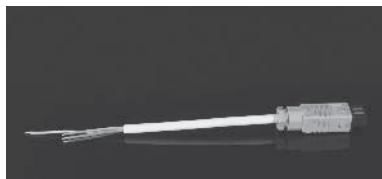
<b>Colour</b>	White
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP20

With latch clamp

**Item number** 4935 200 011 0

With Hirschmann coupling (type STAK 3)

**Item number** 4935 200 013 0



### Adapter cable

Adapter cable with Hirschmann coupling (type STAK 3) for adjustment set with latch clamp

**Item number** 4930 200 181 0

■ 0,3 m



### Hirschmann coupling (type STAK 3N)

#### Technical data

**Colour** Grey

**Item number** 4809 002 000 0



### Hirschmann retaining clamp

**Item number** 4809 004 000 3



### Hirschmann plug (type STAS 3N)

#### Technical data

**Colour** Grey

**Item number** 4809 001 000 0

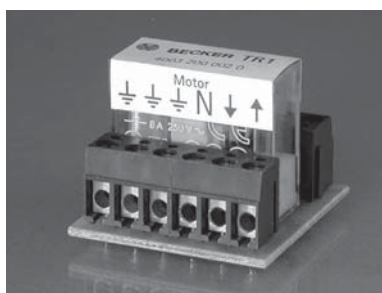


### Connecting cable for drives with integrated radio receiver

**Item number** 4935 200 027 0

■ Latch clamp

- 2 m 230V/50 Hz power line with CEE 7/7 safety plug
- Enables commissioning of radio drives without fixed power lines



### Cut off relay TR1

For connecting multiple drives with mechanical limit switching in parallel

- 1 cut off relay is needed for each drive

#### Technical data

**Dimensions WxHxD** 30 x 37 x 30 mm

**Mains connection** 230 V / 50 Hz

**Degree of protection** IP20

**Loading capacity** 5 A

**Item number** 4003 200 002 0



### Multiple control relay

For controlling at most 2 drives with mechanical limit switching or multiple drives with electronic limit switching, and for configuring group and central control systems.

#### Technical data

**Dimensions WxHxD** 49 x 52 x 22 mm

**Mains connection** 230 V / 50 Hz

**Degree of protection** IP20

**Loading capacity** 6 A

**Item number** 4906 000 110 0



## Sun/wind control unit SWA200II

- Sun protection function with adjustable light sensitivity
- Wind monitoring for textile sun protection
- Can be switched (manual/automatic mode)
- Supports connection of rain sensor
- Thermostat/ventilation control
- Operation in maintained operation
- Adjustable run time delay
- Simple operation, easy mounting
- Supports connection of two light sensors LS10

## Technical data

<b>Dimensions (WxHxD)</b>	115 x 192 x 62 mm
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP54
<b>Relay output</b>	floating 4 A
<b>Wind setting range</b>	from 0-30 m/s
<b>Sun setting range</b>	from 0-60 kLux
<b>Item number</b>	4020 000 003 0

## The following is included:

- 1 control unit SWA 200II
- 1 AN2 wind sensor, white, with holder
- 1 LS10 light sensor with holder



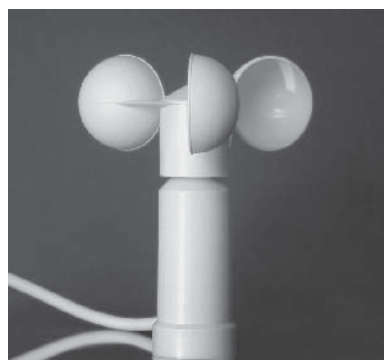
## Light sensor LS10

- Light sensitivity 0-60 kLux
- Surface mounted

<b>Item number</b>	4017 000 001 0
--------------------	----------------

## The following is included:

- 1 light sensor LS10 with holder



## Wind sensor AN2

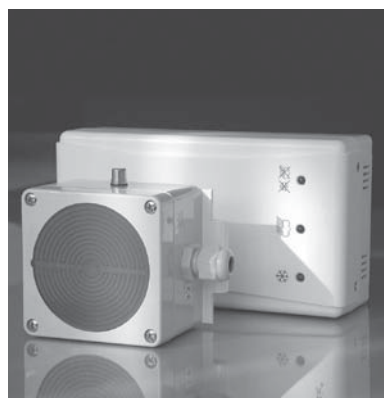
Anemometer for use in connection with automatic sun-wind protection and SWA200II

## The following is included:

- Holder

## Technical data

<b>Colour</b>	White
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP65
<b>Type of mounting</b>	surface mounted
<b>Item number</b>	3004 100 004 0



## Automatic rain protection set RAS10

The automatic rain protection set RAS10 with frost detection from +1°C comprises:

- Automatic rain protection RA10
- Rain sensor RS10

The RAS10 serves the detection of rain and frost for the protection of awnings, the control of roof ventilation, etc.

## Technical data

<b>Colour</b>	White/grey
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP65 (sensor)
<b>Power consumption</b>	4.5 W
<b>Type of mounting</b>	surface mounted
<b>Cable length</b>	max. 100 m from control component to sensor
<b>Item number</b>	4017 000 014 0





### Wind sensor WS10

Wind sensor for monitoring of electronic and mechanical sun protection drives

#### The following is included:

- Holder

### Technical data

<b>Colour</b>	White
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP65
<b>Type of mounting</b>	surface mounted
<b>Item number</b>	4020 000 040 0



### Automatic wind protection WA10

Automatic wind protection for monitoring of electronic and mechanical sun protection drives

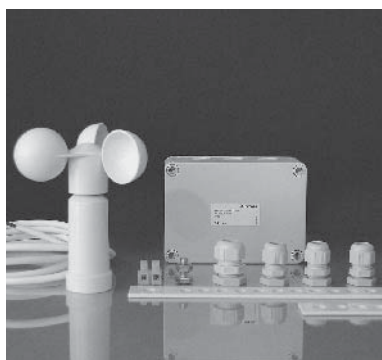
- Supports latch switch connection
- Supports connection of wind sensor WS10
- Adjustable wind threshold value

#### The following is included:

- Holder

### Technical data

<b>Dimensions (WxHxD)</b>	130 x 90 x 60 mm
<b>Colour</b>	grey
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP44
<b>Loading capacity</b>	5A
<b>Type of mounting</b>	surface mounted
<b>Item number</b>	4020 000 039 0



### Automatic wind protection set WAS10

Automatic wind protection set for monitoring of electronic and mechanical sun protection drives

- Set comprises WA10 and WS10

<b>Item number</b>	4020 000 041 0
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#### The following is included:

- Holder



### Room thermostat RTR

Room thermostat RTR for use in connection with sun protection control

- Floating changeover contact
- Temperature range: 5 - 30°C

### Technical data

<b>Dimensions (WxHxD)</b>	75 x 75 x 25 mm
<b>Colour</b>	white
<b>Loading capacity</b>	5 A
<b>Type of mounting</b>	surface mounted
<b>Item number</b>	4017 000 014 0

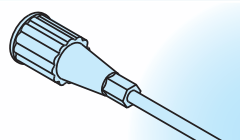


## *Mechanical accessories*



*Drive adapters, rings and opposite end fittings*

94



*Cover clips/setting tools*

100



*Connecting pieces*

101



*Awning brackets and wall brackets*

105



# Drive adapters, rings and opposite end fittings

## Profile shaft

Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
		Helioscreen	Drive adapter 47x2	4930 300 305 0		
			Ring 47x2	4930 300 306 0		
		Benthin	Drive adapter Benthin 52+62	4930 300 442 0		
			Ring Benthin 52+62	4930 300 443 0		
			Wall bracket	4930 300 432 0		
		Zurflüh Feller	Drive adapter ZF80x1.2			4931 300 148 0
			Ring ZF80x1.2			4931 300 149 0

## Grooved shaft

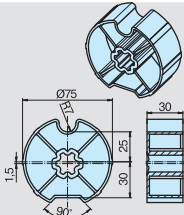
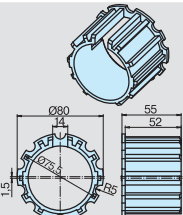
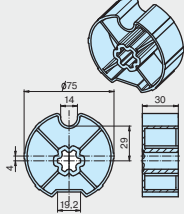
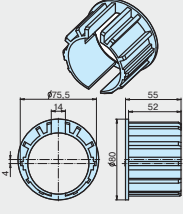
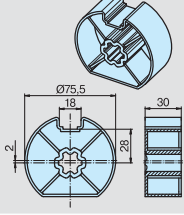
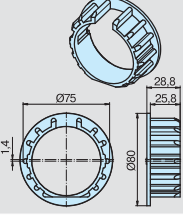
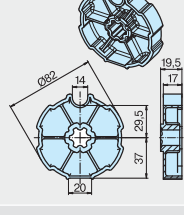
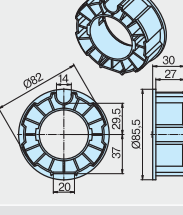
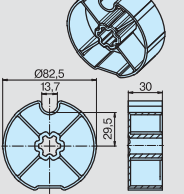
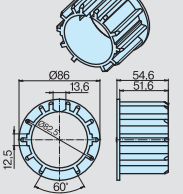
Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Drive adapter M40			
			Drive wheel Universal	4930 300 408 0		
			Ring M40			
			Crown wheel 43mm	4930 300 409 0		
			Drive adapter M50		4930 300 406 0	
			Drive wheel Universal			
			Ring M50			
			Crown wheel 60mm		4930 300 407 0	
			Ring M50			
			Crown wheel 80mm		4930 300 416 0	

## Grooved shaft

Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Drive adapter (57.5)	4930 300 173 0	4930 300 173 0	
			Ring (57.5)	4930 300 174 0	4930 300 174 0	
			Intermediate ring (50x1.5)	4930 300 102 0		
			Drive adapter (63N K) up to 25 Nm		4930 300 084 0	
			Ring (63N)		4930 300 415 0	
			Drive adapter (63N D) > 30 Nm		4930 300 052 0	
			Ring (63N)		4930 300 415 0	
			Drive adapter (Forjas 70)		4930 300 217 0	
			Ring (Forjas 70)		4930 300 218 0	
			Drive adapter (DW70N)		4930 300 055 0	
			Ring (DW70N)		4930 070 707 0	
			Drive adapter (DW74N)		4930 300 056 0	
			Ring (DW74N)		4930 010 707 2	
			Drive adapter (DW78R+F)		4930 300 091 0	
			Ring (DW78R+F)		4930 300 033 0	

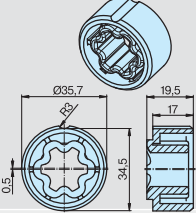
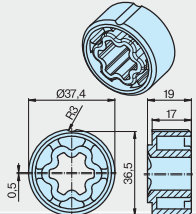
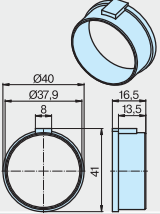
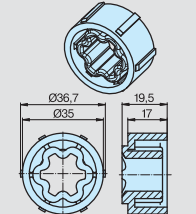
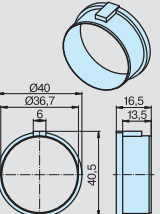
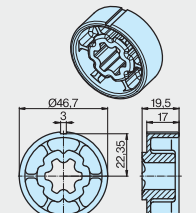
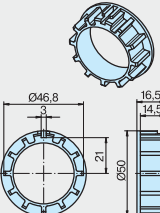
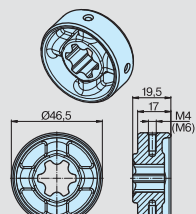
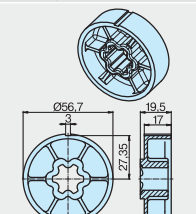
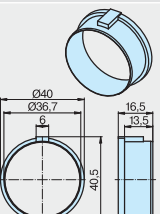
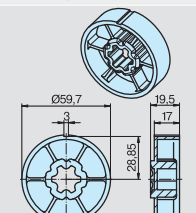
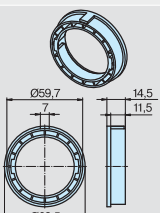
# Drive adapters, rings and opposite end fittings

## Grooved shaft

Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Drive adapter (DW78N)  Ring (DW78N)			4931 300 365 0  4931 300 357 0
			Drive adapter (DW78N) 4 mm centre offset  Ring (DW78N) 4 mm centre offset			4931 300 086 0  4931 230 707 0
			Drive adapter (DW78x1)  Ring (DW78x1)			4931 300 079 0  4931 210 707 1
			Drive adapter (DW85N)  Drive adapter > 40Nm (DW85N)  Ring (DW85N)		4930 300 065 0  4930 300 410 0  4930 300 066 0	
			Drive adapter (DW85N)  Ring (DW85N)			4931 300 078 0  4931 300 227 0

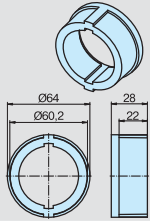
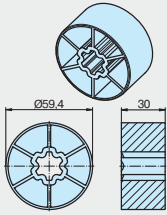
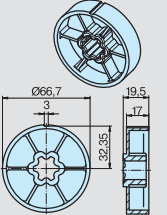
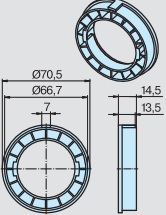
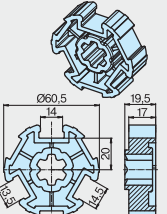
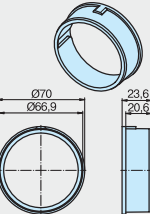
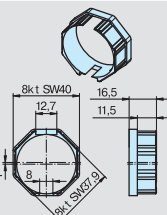
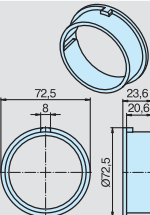
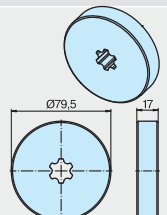
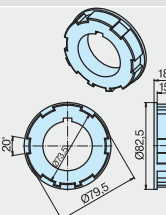
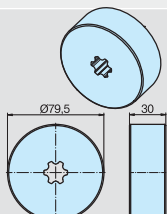
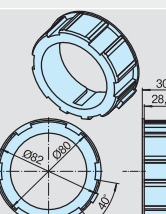


## Round tube

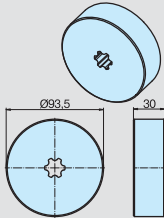
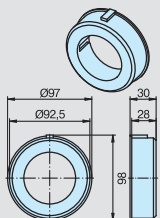
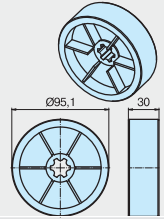
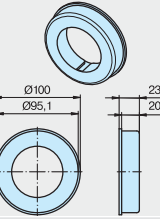
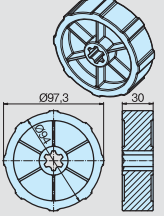
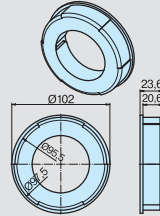
Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Drive adapter (38x1 / 40x2)	4930 300 088 0 Without ring Barrel fits on the thrust ring of the drive		
			Drive adapter (40x1 / 42x2)  Ring (40x1 / 42x2)	4930 300 086 0  4930 300 087 0		
			Drive adapter (40x1.3 / 40x1.5)  Ring (40x1.3 / 40x1.5)	4930 300 195 0  4930 300 196 0		
			Drive adapter (50x1.5)  Intermediate ring (50x1.5)	4930 300 049 0  4930 300 102 0	4930 300 049 0  Without ring Barrel fits on the thrust ring of the drive	
		Warema	Drive adapter (50x1.5) Thread M4  Drive adapter (50x1.5) Thread M6  Intermediate ring (50x1.5)	4930 300 420 0  4930 300 455 0  4930 300 102 0	4930 300 420 0  4930 300 455 0  Without ring Barrel fits on the thrust ring of the drive	
			Drive adapter (60x1.5)  Ring (60x1.5)  Intermediate ring (50x1.5)	4930 300 075 0  4930 300 076 0  4930 300 102 0	4930 300 075 0  4930 300 076 0	
			Drive adapter (63x1.5)  Ring (63x1.5)	4930 300 059 0  4930 300 060 0	4930 300 059 0  4930 300 060 0	

# Drive adapters, rings and opposite end fittings

## Round tube

Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Intermediate ring (63x1.5)	4930 300 006 0		
			Drive adapter (63x1.5)			4931 300 083 0 Barrel fits on the thrust ring of the drive
			Drive adapter (70x1.5)  Ring (70x1.5)		4930 300 061 0  4930 300 062 0	
			Drive adapter (70x1.5)  Ring (70x1.5)			4931 300 084 0  4931 050 707 4
			Drive adapter (70x2)  Ring (70x2)			4931 300 085 0  4931 060 707 4
			Drive adapter (83x1.5/85x2.5)  Ring (83x1.5/85x2.5)		4930 300 098 0  4930 300 100 0	
			Drive adapter (83x1.5 / 85x2.5)  Ring (83x1.5 / 85x2.5)			4931 300 119 0  4931 300 125 0

## Round tube

Drive adapter	Ring	Manufacturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Drive adapter (98x2)  Ring (98x2)			4931 300 115 0  4931 300 126 0
			<b>R7/17 – R25/17</b> Drive adapter (100x2) Ring (100x2) Ring (63x1.5) Screw set  <b>R30/17 – R50/11</b> Drive adapter (100x2) Ring (100x2) Ring (63x1.5)		4930 300 185 0 4931 300 160 0 4930 300 060 0 4930 200 093 0  4930 300 185 0 4931 300 160 0 4930 300 060 0	
			Drive adapter (102x2)  Ring (102x2)			4931 300 104 0  4931 300 049 0

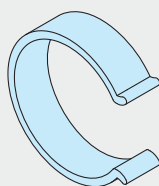
## Fasteners for drive adapter

Name	R7/17-R20/17	R30/17-R120/11	L44/14-L120/11
Drive adapter safety catch	4930 300 161 0		
Washer		9900 311 902 1	

## Shaft capsule

Name	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
Shaft capsule (50x1.5)		4930 020 611 0	

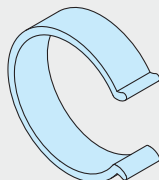




*Cover clip*

White for Pico without strip

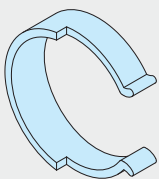
Item number	4930 300 490 0
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*Cover clip*

Black for Pico without strip

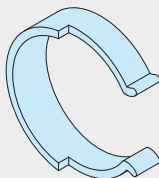
Item number	4930 300 491 0
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*Cover clip*

White for Pico with strip

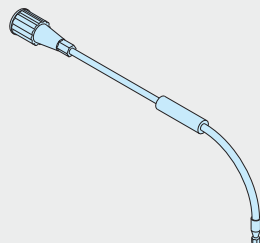
Item number	4930 300 492 0
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*Cover clip*

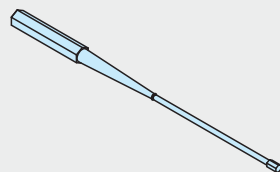
Black for Pico with strip

Item number	4930 300 493 0
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*Flexible setting tool*

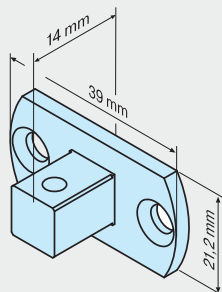
Item number	4933 200 002 0
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*Setting tool*

Item number	4933 300 029 0
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## Tubular drives P5/16 - P13/9

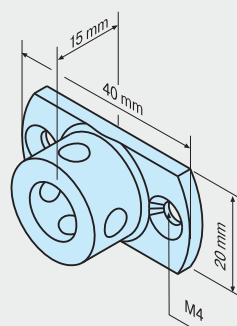


### Connecting piece-P 4-side- 10

Connecting piece incl. screws, 4-sided, 10 mm

Item number

4930 200 140 0

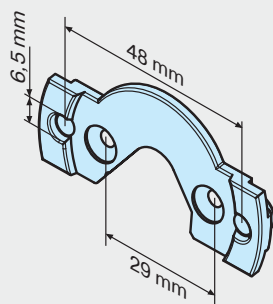


### Connecting piece-P 20-round

Connecting piece incl. screws, with round pin, 20 mm diameter

Item number

4930 200 139 0



### Mini strip-P C-Plug

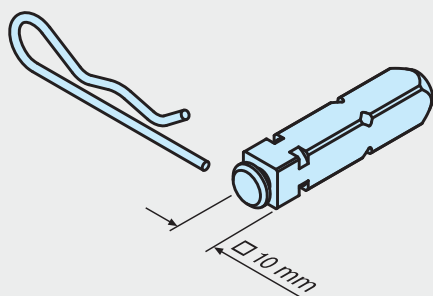
Mini strip M6/48 incl. screws

Item number

4930 200 232 0

# Connecting pieces

## Tubular drives R7/17 – R50/11

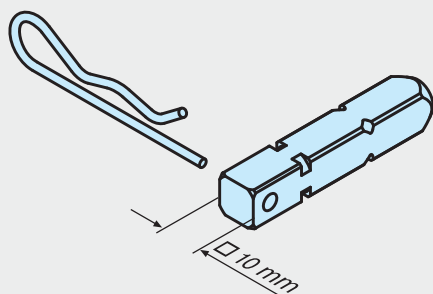


### Mounting pin-R 1/10

Mounting pin 1/10 (4-sided 10 mm)

**Item number**

4930 200 026 0

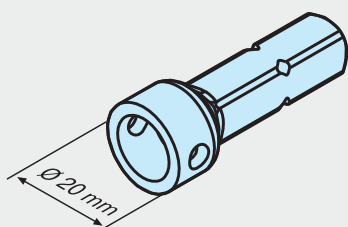


### Mounting pin-R 2/10

Mounting pin 2/10 (4-sided 10 mm)

**Item number**

4930 200 030 0

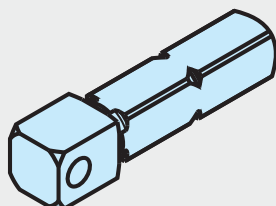


### Mounting pin-R 3/20

Mounting pin 3/20 (round, d = 20 mm)

**Item number**

4930 200 028 0



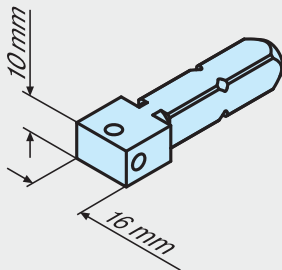
### Mounting pin-R 4/12

Mounting pin 4/12 (4-sided 12 mm)

**Item number**

4930 300 412 0



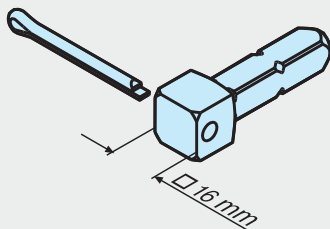


### Mounting pin-R 4/16-10

Mounting pin 4/16-10 (4-sided 16 mm x 10 mm)

**Item number**

4930 300 449 0



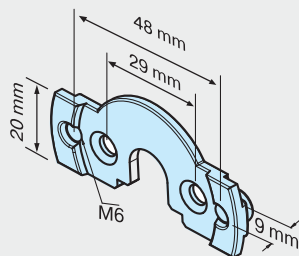
### Mounting pin-R 4/16

Mounting pin 4/16 (4-sided 16 mm)

**Item number**

4930 200 052 0

Note: For wall brackets with 16 mm 4-sided receptacle (4931...)



### Mini strip-R C-Plug

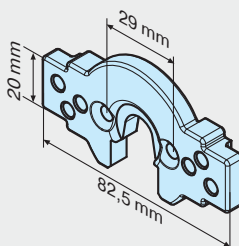
Mini strip M6/48 incl. screws

**Item number**

4930 200 244 0

**Application**

■ R7/17-R20/17



### B strip-R C-Plug

B strip incl. screws

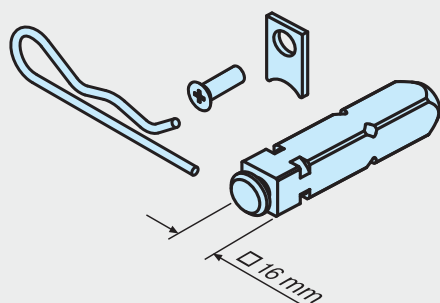
**Item number**

4930 200 235 0

**Application**

■ Drives for applications with one-sided load  
R7/17-R40/17

## Tubular drives L44/14 – L120/11

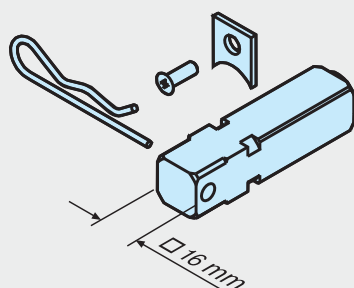


### Mounting pin-L 1/16

Mounting pin 1/16 (4-sided 16 mm)

**Item number**

4931 200 040 0



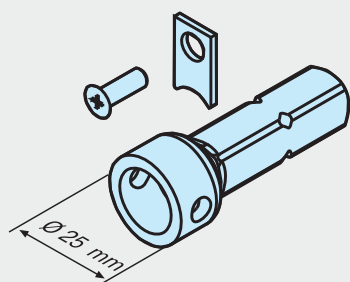
### Mounting pin-L 2/16

Mounting pin 2/16 (4-sided 16 mm)

**Item number**

4931 200 034 0

Note: For wall brackets with 16 mm 4-sided receptacle (4931...)

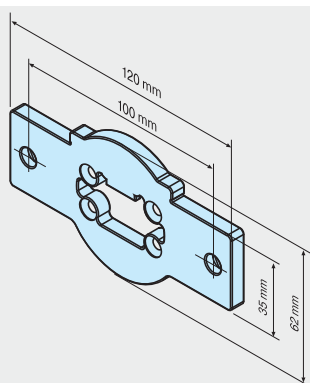


### Mounting pin-L 3/25

Mounting pin 3/25 (round,  $\varnothing = 25$  mm)

**Item number**

4931 200 035 0



### B strip-L

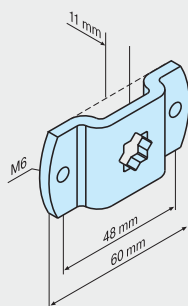
**Item number**

4931 300 169 0

### Application

- Drives for applications with one-sided load  
L44/14-L80/11

## Tubular drives P5/16 – P13/9 and R7/17 – R50/11

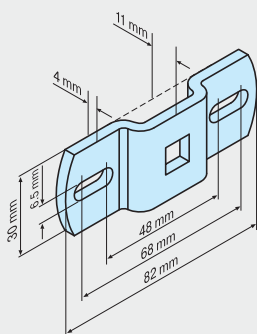


### Awning bracket-P/R star-10

Awning bracket with star for mounting pins 1/10 and 2/10 and connecting piece □ 10 mm

**Item number**

4930 300 053 0

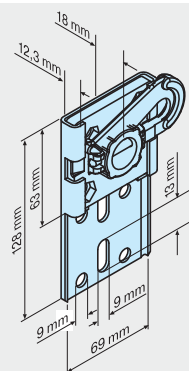


### Awning bracket-P/R 4-side-10

Awning brackets 4-sided 10 mm for mounting pins 1/10 and 2/10 and connecting piece □ 10 mm

**Item number**

4930 300 040 0



### Universal wall bracket-P/R 3/20

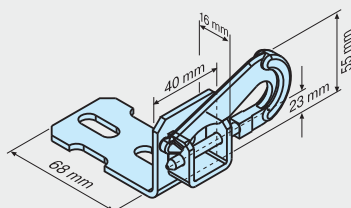
Universal wall bracket for mounting pin 3/20 and connecting piece ø 20 mm

**Item number**

4930 200 005 0

#### Application

- Drives for applications with one-sided load  
P5/16-P13/9  
R7/17-R40/17



### Behind the plaster bracket-P/R 3/20

Behind the plaster bracket for mounting pin 3/20

**Item number**

4930 040 607 0

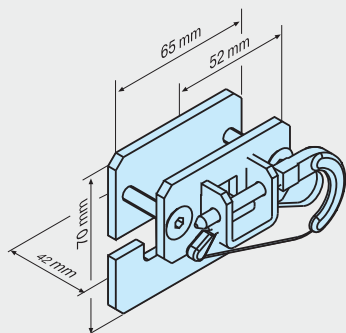
#### Application

- Drives for applications with one-sided load  
P5/20-P13/9  
R7/17-R30/17



# Awning brackets and wall brackets

## Tubular drives P5/16 – P13/9 and R7/17 – R50/11



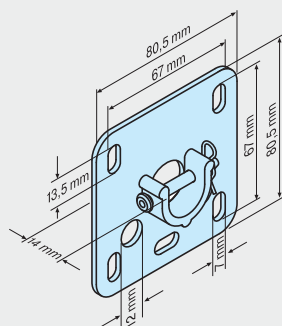
### Conversion bracket-P/R 3/20

Conversion bracket for the behind plaster bracket for mounting pin 3/20

**Item number** 4930 200 077 0

#### Application

- Drives for applications with one-sided load  
P5/20-P13/9  
R7/17-R30/17



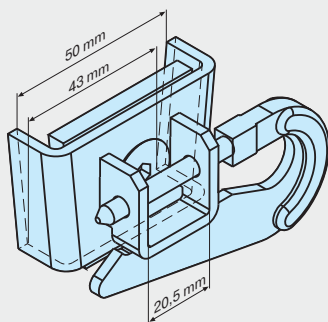
### Plate bracket-P/R B80 3/20

Plate bracket width 80 mm for mounting pin 3/20

**Item number** 4930 000 607 2

#### Application

- Drives for applications with one-sided load  
P5/20-P13/9  
R7/17-R30/17



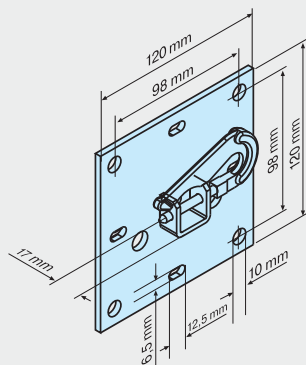
### Conversion set-P/R 3/20

Complete conversion set, for the behind-plaster bracket for mounting pin 3/20

**Item number** 4930 200 207 0

#### Application

- Drives for applications with one-sided load  
P5/20-P13/9  
R7/17-R30/17



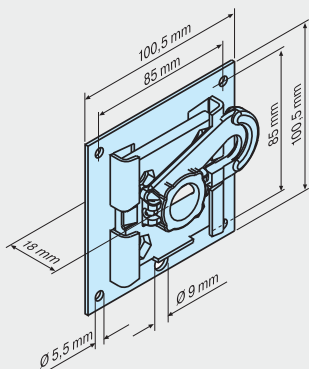
### Plate bracket-P/R B120 3/20

Plate bracket width 120 mm for mounting pin 3/20

**Item number** 4930 200 001 0

#### Application

- Drives for applications with one-sided load  
P5/20-P13/9  
R7/17-R40/17



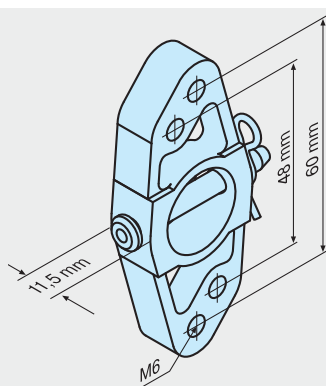
### Motor bracket-P/R 3/20

Motor bracket for covering cap for mounting pin 3/20

**Item number** 4930 200 036 0

#### Application

- Drives for applications with one-sided load  
P5/20-P13/9  
R7/17-R40/17



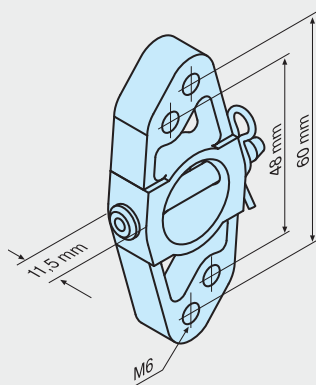
### Awning bracket

Awning bracket M6 with spigot for mounting pin 3/20

**Item number** 4930 200 043 0

#### Application

- Drives for awnings (one-sided load)  
P5/20-P13/9  
R7/17-R40/17
- Drives for conservatory shades (alternating load)  
R7/17-R20/17



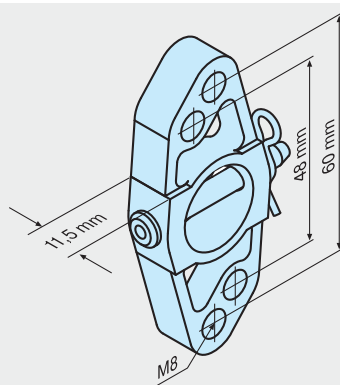
### Awning bracket

Awning bracket M6 without spigot for mounting pin 3/20

**Item number** 4930 000 728 0

#### Application

- Drives for awnings (one-sided load)  
P5/20-P13/9  
R7/17-R40/17
- Drives for conservatory shades (alternating load)  
R7/17-R20/17



### Awning bracket

Awning bracket M8 with spigot for mounting pin 3/20

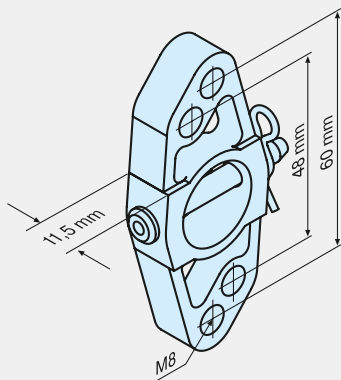
**Item number** 4930 200 044 0

#### Application

- Drives for awnings (one-sided load)  
P5/20-P13/9  
R7/17-R40/17
- Drives for conservatory shades (alternating load)  
R7/17-R20/17

## Awning brackets and wall brackets

*Tubular drives P5/16 – P13/9 and R7/17 – R50/11*



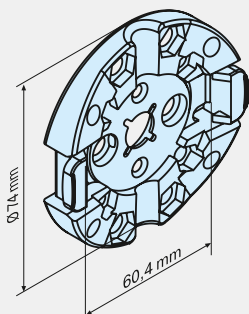
### Awning bracket

Awning bracket M8 without spigot for mounting pin 3/20

**Item number** 4930 000 726 1

## Application

- Drives for awnings (one-sided load)  
P5/20-P13/9  
R7/17-R40/17
- Drives for conservatory shades (alternating load)  
R7/17-R20/17



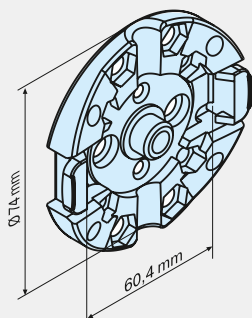
Wall bracket-P/R with catch

Wall bracket with catch for mini strip

**Item number** 4930 300 382 0

## Application

- Drives for applications with one-sided load  
P5/16-P13/9  
R7/17-R20/17



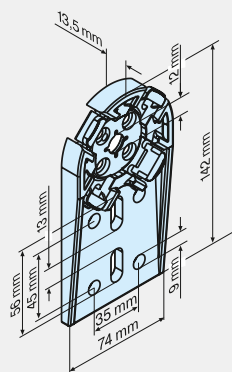
Wall bracket-P/R with catch 2

Wall bracket with catch for mini strip

**Item number** 4930 300 332 0

## Application

- Drives for applications with one-sided load  
P5/16-P13/9  
R7/17-R20/17



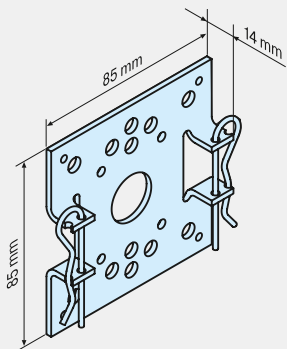
*New build bracket-P/R*

New build bracket with catch for mini strip

**Item number** 4930 300 418 0

## Application

- Drives for applications with one-sided load  
P5/16-P13/9  
R7/17-R20/17



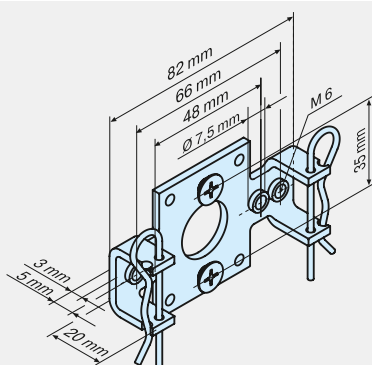
### *Plate bracket-R 85 x 85*

Plate bracket 85 x 85 for B strip

**Item number** 4930 200 082 0

#### **Application**

- Drives for applications with one-sided load  
R7/17-R40/17



### *Plate bracket-R*

Plate bracket for B strip

**Item number** 4930 200 007 0

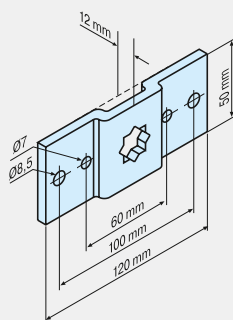
#### **Application**

- Drives for applications with one-sided load  
R7/17-R40/17



# Awning brackets and wall brackets

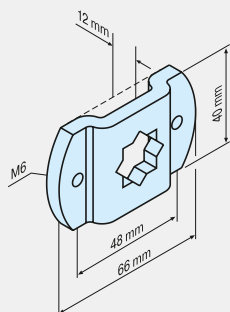
## Tubular drives L44/14 – L120/11



### Drive bracket-L star-16

Drive bracket with star for mounting pins 1/16, 2/16 and 4/16

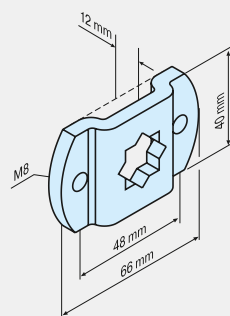
Item number	4931 300 096 0
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### Awning bracket-L star-16 M6

Awning bracket with star and M6 for mounting pins 1/16, 2/16 and 4/16

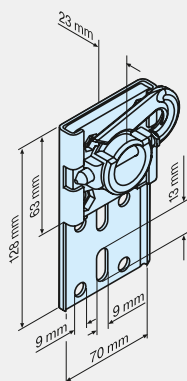
Item number	4931 300 094 0
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### Awning bracket-L star-16 M8

Awning bracket with star and M8 for mounting pins 1/16, 2/16 and 4/16

Item number	4931 300 209 0
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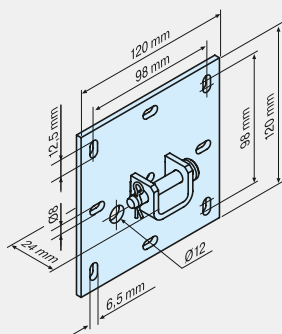
### Universal wall bracket-L 3/25

Universal wall bracket for mounting pin 3/25

Item number	4931 200 006 0
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#### Application

- Drives for applications with one-sided load L44/14-L60/11



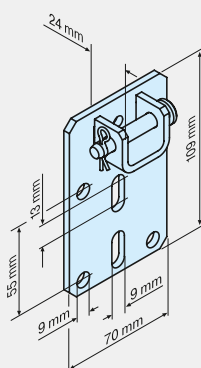
### Plate bracket-L B 120 3/25

Plate bracket for mounting pin 3/25

**Item number** 4931 000 607 2

#### Application

- Drives for applications with one-sided load  
L44/14-L120/11



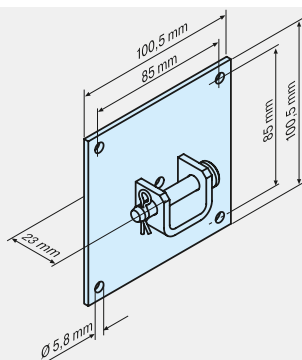
### Combination bracket-L 3/25

Combination bracket for mounting pin 3/25

**Item number** 4931 030 607 0

#### Application

- Drives for applications with one-sided load  
L44/14-L120/11



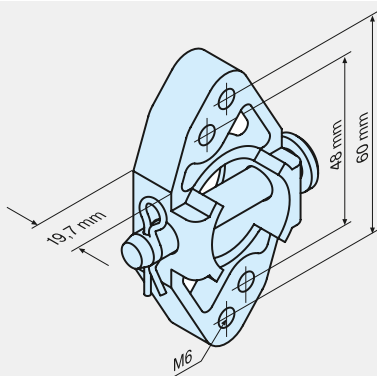
### Drive bracket-L cover 3/25

Drive bracket for covering caps for mounting pin 3/25

**Item number** 4931 200 042 0

#### Application

- Drives for applications with one-sided load  
L44/14-L80/11



### Awning bracket

Awning bracket M6 with spigot for mounting pin 3/20

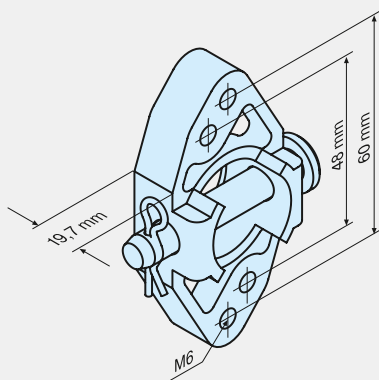
**Item number** 4931 200 049 0

#### Application

- Drives for awnings (one-sided load)  
L44/14-L80/11
- Drives for conservatory shades (alternating load)  
L44/14-L50/17

# Awning brackets and wall brackets

## Tubular drives L44/14 – L120/11



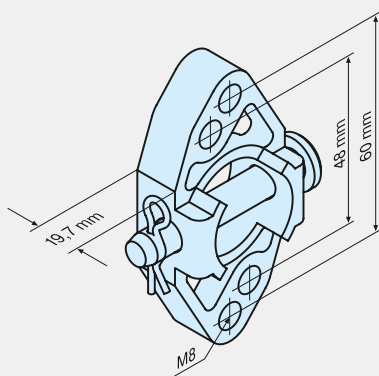
### Awning bracket

Awning bracket M6 without spigot for mounting pin 3/20

**Item number** 4931 010 728 0

#### Application

- Drives for awnings (one-sided load)  
L44/14-L80/11
- Drives for conservatory shades (alternating load)  
L44/14-L50/17



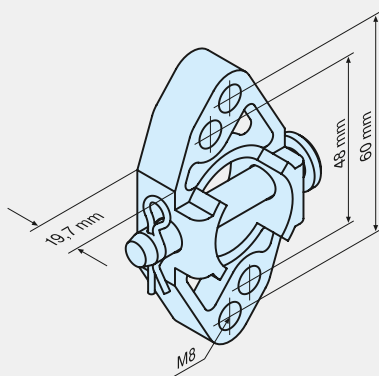
### Awning bracket

Awning bracket M8 with spigot for mounting pin 3/20

**Item number** 4931 200 050 0

#### Application

- Drives for awnings (one-sided load)  
L44/14-L80/11
- Drives for conservatory shades (alternating load)  
L44/14-L50/17



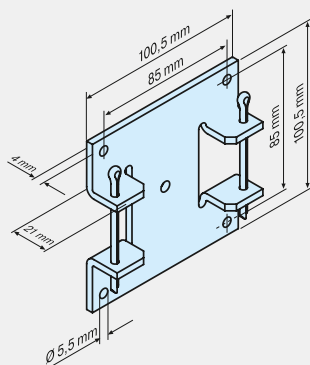
### Awning bracket

Awning bracket M8 without spigot for mounting pin 3/20

**Item number** 4931 010 726 0

#### Application

- Drives for awnings (one-sided load)  
L44/14-L80/11
- Drives for conservatory shades (alternating load)  
L44/14-L50/17



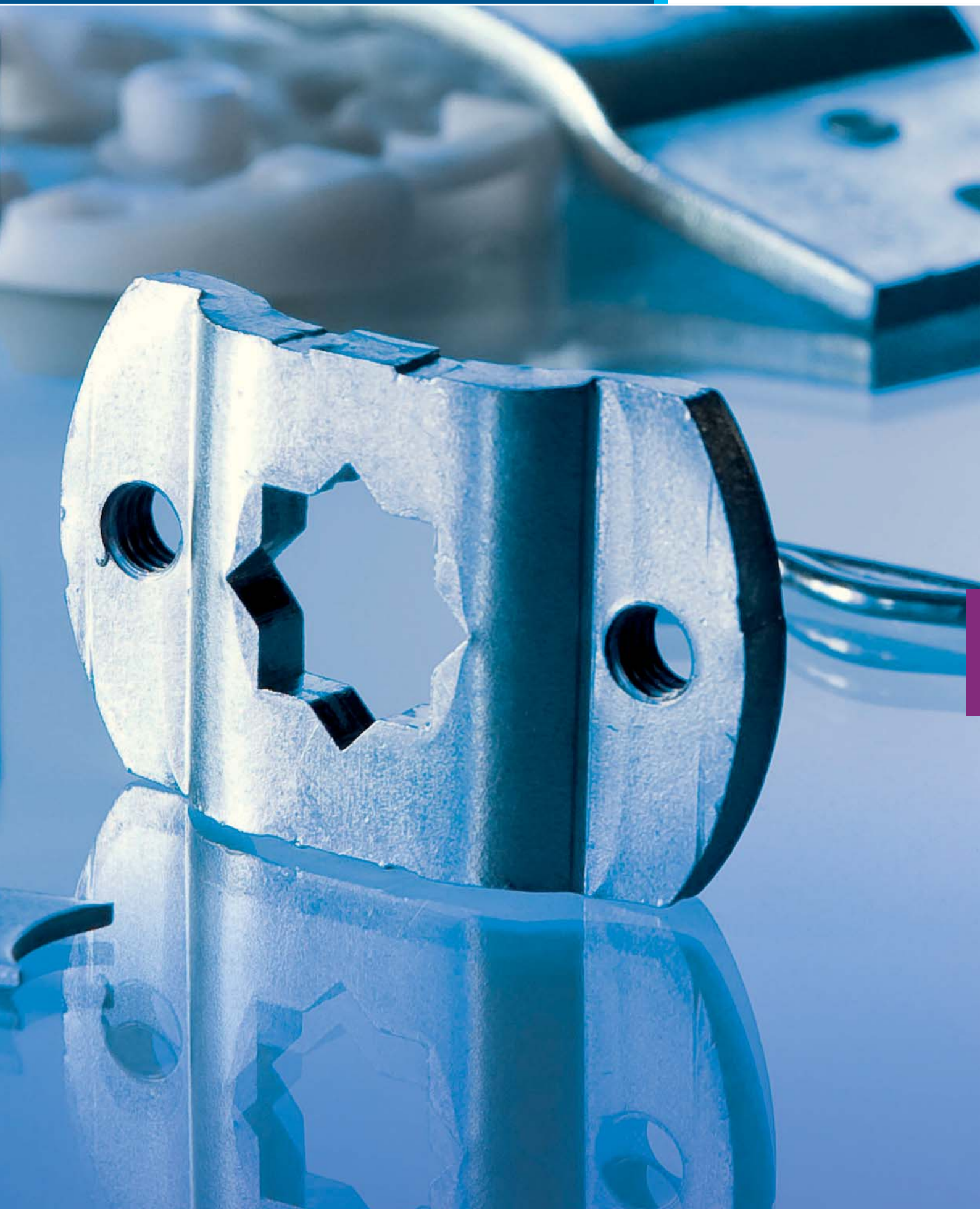
### Plate bracket-L

Plate bracket for B strip

**Item number** 4931 200 060 0

#### Application

- Drives for applications with one-sided load  
L44/14-L80/11









# Drives with crank connection



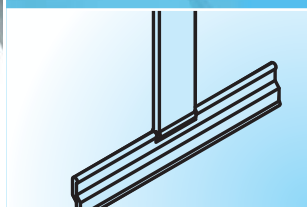
## HK drives

R12/17HK - R50/11HK

L44/14HK - L120/11HK

116

118



## Mechanical accessories

HK accessories

Connecting pieces

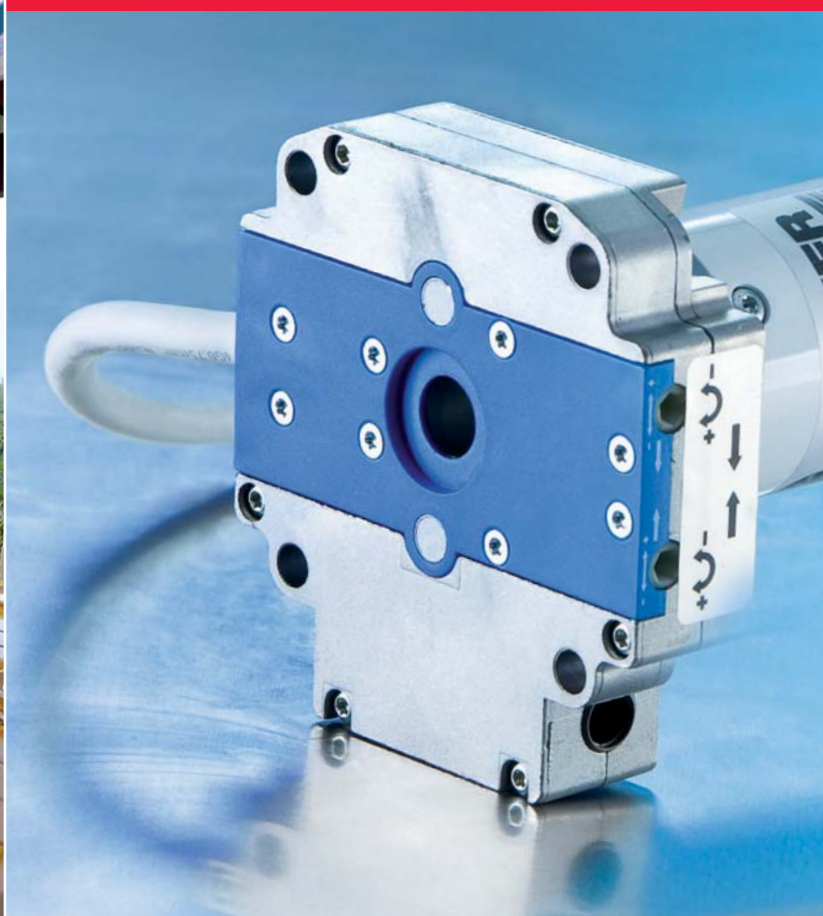
120

123

## Drives with crank connection for barrels > Ø 50 mm



R12/17HK – R50/11HK



### THE ADVANTAGE!

**Crank** can be inserted from 2 sides.

### Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
R12/17HK	2010 140 003 0	12	17	38	0.50	110	3
R20/17HK	2020 140 004 0	20	17	38	0.75	160	3
R30/17HK	2030 140 005 0	30	17	38	0.90	205	3
R40/17HK	2040 140 006 0	40	17	38	1.15	260	3
R50/11HK	2050 040 005 0	50	11	38	1.10	240	3

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 120





## Additional features



**Mechanical limit switch**  
with crank connection

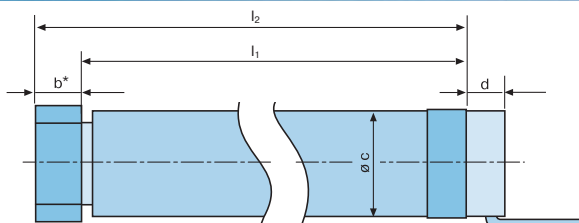


**Simple limit position adjustment** from 2 sides

**Can be used for roller shutters, sun protection systems and roller doors**

**Suitable for right and left installation**

**Motor protected against over-heating**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
40	584	624	45	27
40	678	718	45	27
40	678	718	45	27
40	698	738	45	27
40	700	740	45	27

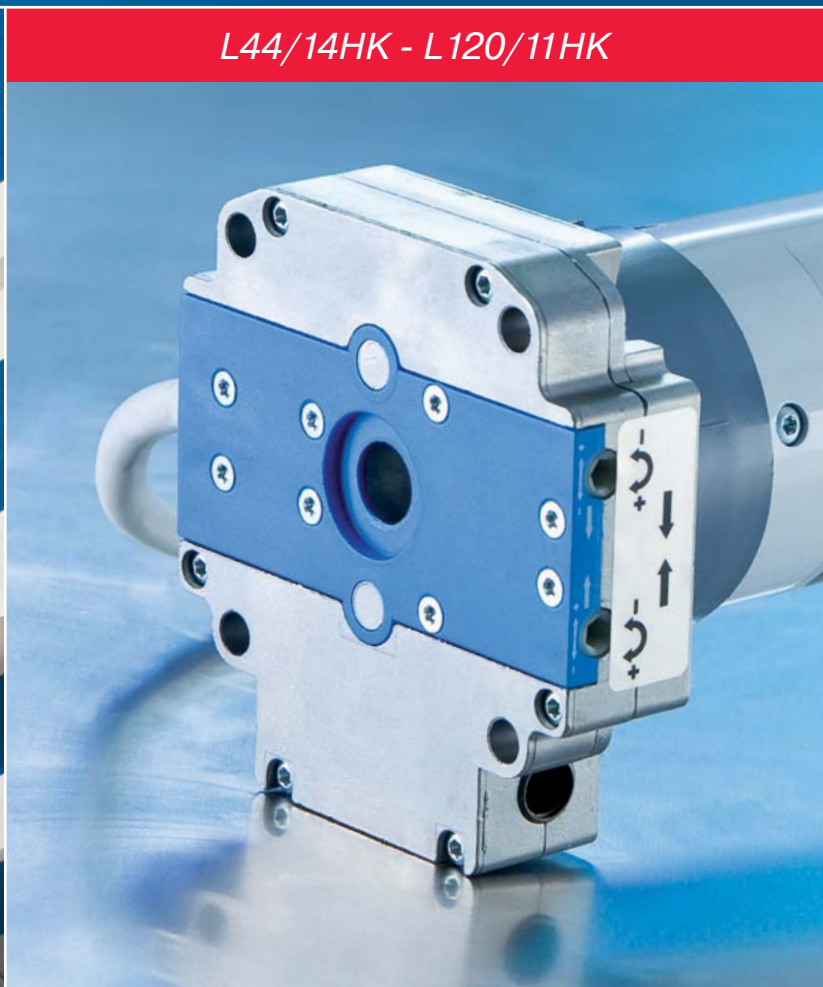
\* Drive adapter width of DW78R+F (4930 300 091 0) page 95, selection of a different drive adapter will change dimension l<sub>2</sub>





## Drives with crank connection for barrels > Ø 63 mm

L44/14HK - L120/11HK



### THE ADVANTAGE!

**Crank** can be inserted from 2 sides.

### Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated current (A)	Power consumption (W)	Connecting cable (m)
L44/14HK	2044 040 100 0	44	14	38	1.2	255	3
L60/11HK	2060 040 100 0	60	11	38	1.2	265	3
L80/11HK	2080 040 100 0	80	11	38	1.4	310	3
L120/11HK	2120 040 100 0	120	11	38	1.9	435	3

**Rated voltage:** 230V AC/50Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44



Electrical accessories, p. 86



Drive adapters/rings, p. 94



Mechanical accessories, p. 120



## Additional features



**Mechanical limit switch**  
with  
crank connection

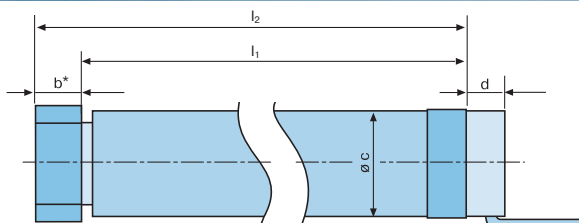


**Simple limit position ad-  
justment** from 2 sides

**Can be used for roller shutters,  
sun protection systems and  
roller doors**

**Suitable for right and left instal-  
lation**

**Motor protected against over-  
heating**



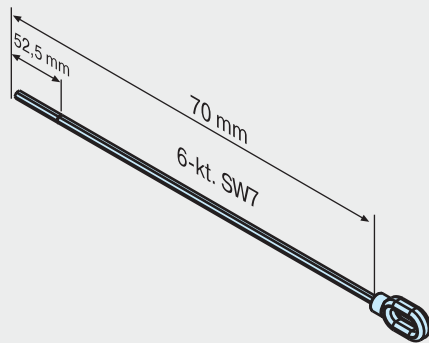
## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	749	779	58	27
30	749	779	58	27
30	749	779	58	27
30	749	779	58	27

\* Drive adapter width of DW78N (4931 300 365 0) page 96,  
selection of a different drive adapter will change dimension l<sub>2</sub>



## Accessories for tubular drives with crank connection R12/17HK - L120/11HK

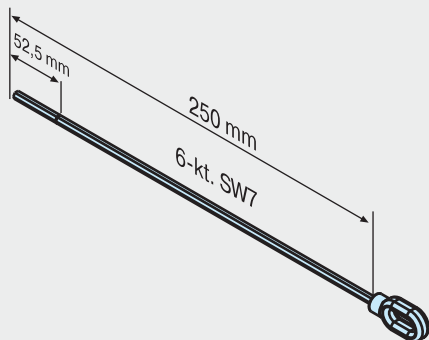


### *Eye with hexagonal rod 70-HK*

Eye with hexagonal rod SW 7 mm

**Item number**

4930 200 131 0

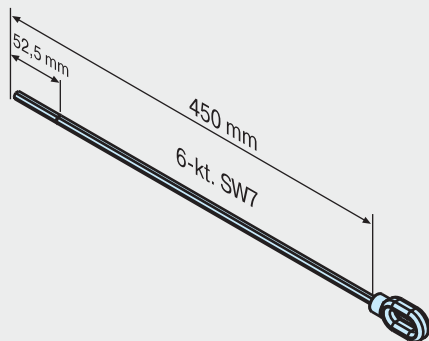


### *Eye with hexagonal rod 250-HK*

Eye with hexagonal rod SW 7 mm

**Item number**

4930 200 124 0

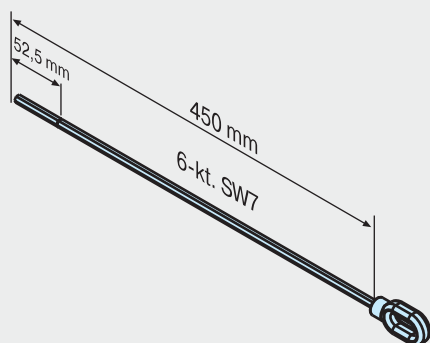


### *Eye with hexagonal rod 450-HK*

Eye with hexagonal rod SW 7 mm

**Item number**

4930 200 125 0

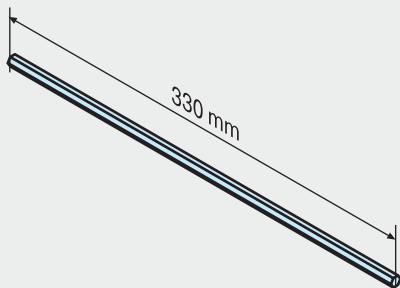


### *Eye with hexagonal rod 450-k-HK*

Eye with hexagonal rod, can be shortened, SW 7 mm

**Item number**

4930 200 188 0

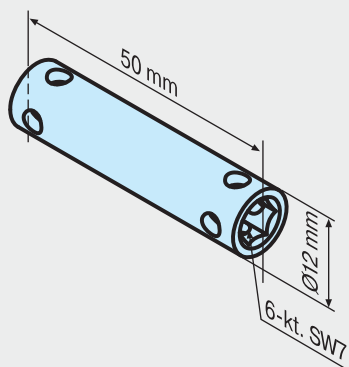


### *Extension rod 330-HK*

Extension rod, hexagonal SW 7 mm

**Item number**

4931 200 073 0

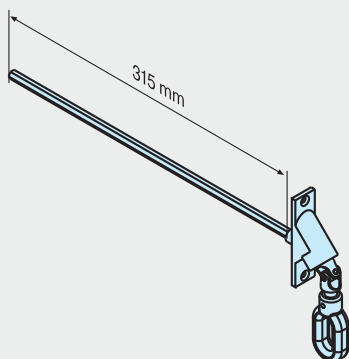


### *Connecting sleeve HK*

Connecting sleeve, internal hexagon, SW 7 mm

**Item number**

4931 200 074 0



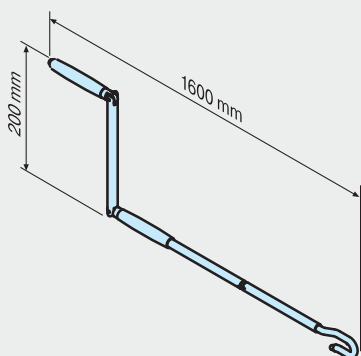
### *Pivoting bearing 90-0*

Pivoting bearing 90°  
with hexagonal rod SW 7 mm connecting eye

**Item number**

4931 200 072 0

*Note: Accessories for removable cranks only*



### *Jointed crank, long*

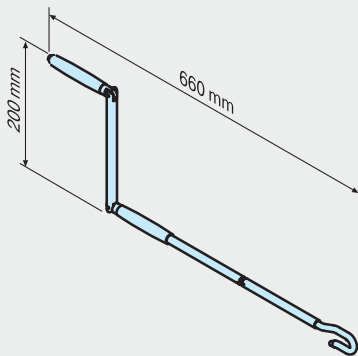
**Item number**

4930 200 143 0

*Note: Removable crank*



## Accessories for tubular drives with crank connection R12/17HK - L120/11HK

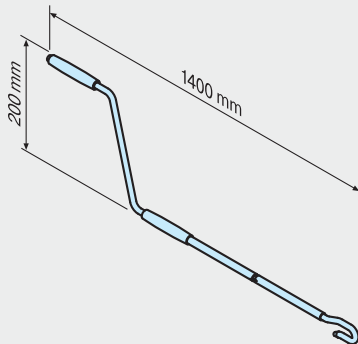


*Jointed crank, short*

**Item number**

4930 200 145 0

*Note: Removable crank*



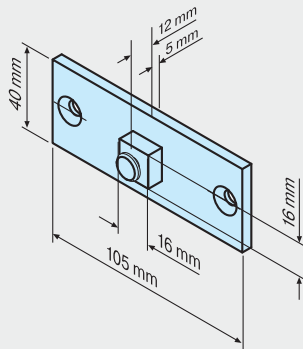
*Awning crank*

**Item number**

4930 200 020 0

*Note: Removable crank*

## Connecting pieces



### Connecting piece HK 16 square

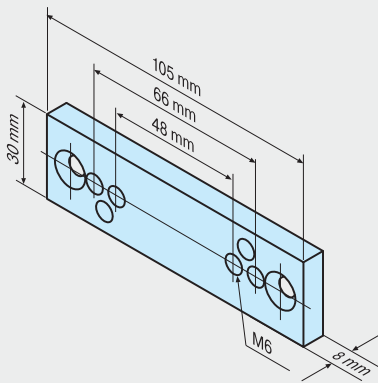
Connecting piece with 16 mm square

**Item number**

4930 200 172 0

#### Application

- Drives for awnings (one-sided load)  
R12/17-L120/11 (note restrictions for awning brackets)



### Awning bracket HK M6

Awning bracket M6 with fastening screws

**Item number**

4930 200 151 0

#### Application

- Drives for awnings (one-sided load)  
L44/14-L120/11





## DC drives



### Drives

*L35/8G – XL200/2.5G*

126

*L60/8GHK – L120/3GHK*

128



### Electrical accessories

*DC control unit 1 for DC drives*

130

*Overload protection DSD, adjustable*

130

*DC control unit GS2/24V for DC drives*

131

*Overload protection DSD*

131





L35/8G – XL200/2.5G



## THE ADVANTAGE!

Simple battery backup with 12V or 24V batteries for emergency operation in the event of power failure.

## HIGHLIGHT!

**Universal control.** Integrated relay control for UP and DOWN allows operation using standard switches/push-buttons or control units with potential free outputs.

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated voltage (V/DC)	Rated current (A)	Power consumption (W)
L35/8G	2035 060 002 0	35	8	36	12	9.0	100
L60/8G	2060 060 002 0	60	8	36	24	6.3	150
L120/3G	2120 060 001 0	120	3	36	24	5.0	120
XL60/8G*	2060 096 015 0	60	8	36	24	6.3	150
XL120/3G*	2120 096 007 0	120	3	36	24	5.0	120
XL200/2.5G*	2200 096 001 0	200	2.5	36	24	6.8	163

**Operating mode:** S2 8 min    **Degree of protection:** IP44    **\*Degree of protection:** IP45    **Connecting cable:** 4 m



Electrical accessories, p. 130



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



## Additional features



**Mechanical limit switch**



**Easy limit position adjustment** without special tools or with flexible setting tools

**Can be operated with safe extra-low voltage 12 V or 24 V**

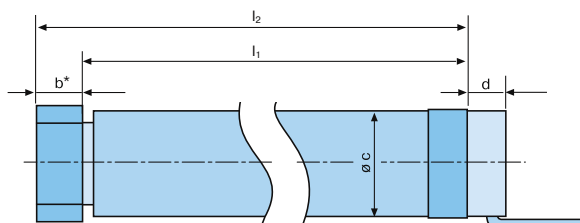
**Suitable for roller door, sun protection applications, swimming pool covers and vehicle superstructures.**

**Drive with degree of protection IP45 available on request**



**Motor head can be over-wrapped**

**Smooth, quiet running**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	585	615	58	20
30	585	615	58	20
30	608	638	58	20
30	580	610	58	20
30	608	638	58	20
30	776	806	58	20

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>





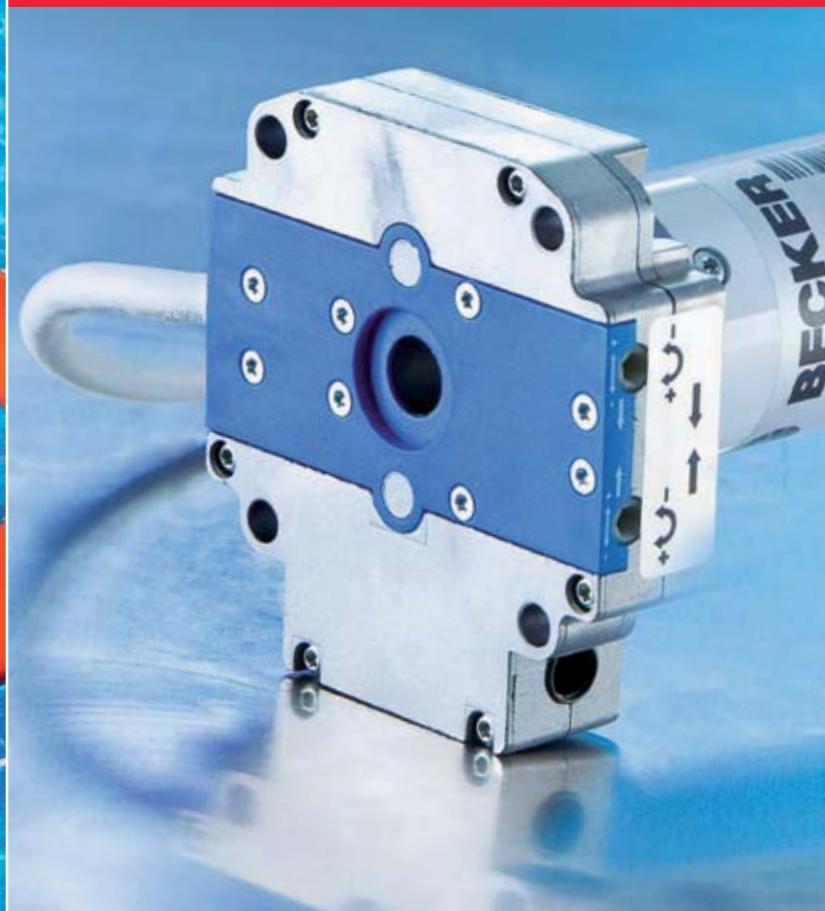
# DC drives with crank connection



## THE ADVANTAGE!

Crank and/or battery operation (12V or 24V) permits emergency operation in the event of power failure.

L60/8GHK – L120/3GHK



## HIGHLIGHT!

**Universal control.** Integrated relay control for UP and DOWN allows operation using standard switches/push-buttons or control units with potential free outputs.

## Technical data

Designation	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated voltage (V/DC)	Rated current (A)	Power consumption (W)
L60/8GHK	2060 060 001 0	60	8	38	24	6.3	150
L120/3GHK	2120 060 002 0	120	3	38	24	5.0	120

**Operating mode:** S2 8 min

**Degree of protection:** IP44

**Connecting cable:** 4 m



Electrical accessories, p. 130



Drive adapters/rings, p. 94



Mechanical accessories, p. 99



## Additional features



**Mechanical limit switch**  
with crank connection



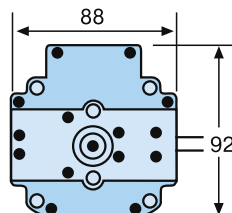
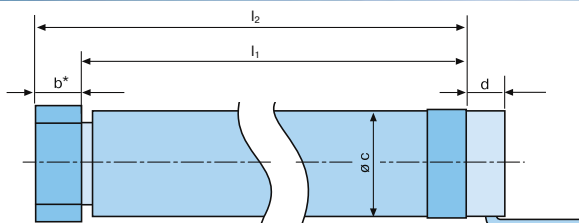
**Easy limit position ad-  
justment** without special  
tools or with flexible setting  
tools

**Can be operated with safe extra-  
low voltage 12 V or 24 V**

**Suitable for roller door, sun protec-  
tion applications, swimming pool  
covers and vehicle superstructures.**

**Override eye for crank can be  
inserted from either side**

**Smooth, quiet running**



## Dimensions

b* (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	c (mm)	d (mm)
30	747	777	58	27
30	771	801	58	27

\* Drive adapter width of DW78N (4931 300 365 0) page 96, selection of a different drive adapter will change dimension l<sub>2</sub>







## DC control unit 1

DC control unit with battery for operating tubular drives with safety extra-low voltage 24 V / DC

- With 2.2 Ah battery
- Output voltage: 24 V / DC
- Push-button input UP / DOWN, individual, central

## Technical data

<b>Colour</b>	Light grey
<b>Dimensions WxHxD</b>	280 x 220 x 90 mm
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP54
<b>Loading capacity</b>	6 A / 24 V
<b>Type of mounting</b>	In surface-mounted housing
<b>Item number</b>	4906 024 520 0

## Overload protection DSD, adjustable

## Technical data

<b>Dimensions WxHxD</b>	94 x 94 x 55 mm
<b>Loading capacity</b>	2.5 to 6.5 A / 24 V
<b>Type of mounting</b>	in surface-mounted housing
<b>Item number</b>	4007 000 018 0



### DC control unit GS2/24 V

DC control unit for operating tubular drives with safety extra-low voltage 24 V / DC

- Output voltage: 24 V / DC
- Push-button input UP / DOWN

### Technical data

<b>Colour</b>	Light grey
<b>Dimensions WxHxD</b>	182 x 180 x 90 mm
<b>Mains connection</b>	230 V / 50 Hz
<b>Degree of protection</b>	IP54
<b>Loading capacity</b>	7.5 A / 24 V
<b>Type of mounting</b>	in surface-mounted housing
<b>Item number</b>	4007 000 016 0

### Overload protection DCD

### Technical data

<b>Dimensions WxHxD</b>	94 x 94 x 55 mm
<b>Loading capacity</b>	7.5 A / 24 V
<b>Type of mounting</b>	in surface-mounted housing
<b>Item number</b>	4007 000 017 0





## Sales promotion



### Product catalogues

Brochure "Information for developers"	134
Folder "Drives and control units for sun protection"	134
Product flyer "Centronic control units SunWindControl"	134
Product folder "Centronic product overview"	134
Product catalogue "Sun protection"	135
Fitters manual	135
Planning documents	135
File box	136

### Display materials

136



### Showroom materials/Outdoor

Poster "Come home and relax ..."	137
Holders and stands for brochures	137
Door and shop window signs	137
Outdoor stickers	138
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Demo boxes	141



### Give-aways

shopping bags, ballpoint pens, cigarette lighters, mains testers	142
folding ruler, lanyards	143







## **Brochure** **„Information for developers“**

with description of the customer benefits around the automation of sun protection.

■ DIN A4, 12 pages

**Item no.** 4995 520 100 1



## **Folder “Drives and control units for sun protection“**

overview of the main types of drives and controls.

■ DIN A4, 6 pages

**Item no.** 4995 600 410 0



## **Product flyer “Centronic control units SunWindControl” \***

about sun protection automation with parts from the Centronic control programm.

■ DIN A4, 2 pages

### **Plain paper**

**Item no.** 4995 500 110 0

### **Floorpost**

**Item no.** 4995 500 300 X



## **Product folder** **“Centronic product overview“**

about Centronic-II products for the roller shutter and sun protection area.

■ DIN A4, 8 pages

**Item No.** 4995 520 300 1

Pictures are for illustration purposes only and are not binding.

\*Individual imprints with customer logo and address are also available on request.



### *Product catalogue „Sun protection“*

■ 146 pages

**Item no.** 4995 800 260 1



### *Fitters manual*

Describes the commissioning of Becker tubular drives for roller shutters and sun protection as well as the commissioning of specific Becker controls.

■ 60 pages

**Item no.** 4995 900 070 1



### *Planning documents*

control technology for wired and radio technology.

■ 40 pages

**Item no.** 4995 010 050 1

Pictures are for illustration purposes only and are not binding.

\*Individual imprints with customer logo and address are also available on request.

# File box/display materials



## File box

including registers for Becker-catalogue documents

Item no.

4998 000 600 0

## Advertising \*

**So schön ...** 



**... kann Energie-sparen sein.** **Jetzt Rollläden und Markisen vom Fachmann automatisieren lassen!**

Das edle Design der neuen Becker-Handsender drückt aus was heute angesagt ist: Energie sparen mit neuester Technik ist schick! Dabei höchsten Komfort gewinnen ist ein Genuss.



 red dot design award winter 2010

**Heizkosten ...** 



**... steigen stetig!** **Jetzt Rollläden und Markisen vom Fachmann automatisieren lassen!**

Die intelligente Rolllädenautomation von Becker-Antriebe spart konsequent Energie und finanziert sich dadurch fast von selbst. Heute mehr denn je!



 red dot design award winter 2010

**So schön ...** 



**... kann Energie-sparen sein.** **Jetzt Rollläden und Markisen vom Fachmann automatisieren lassen!**

Das edle Design der neuen Becker-Handsender drückt aus was heute angesagt ist: Energie sparen mit neuester Technik ist schick! Dabei höchsten Komfort gewinnen ist ein Genuss.



 red dot design award winter 2010

Pictures are for illustration purposes only and are not binding.

\*We are happy to send a CD with templates on request



**Poster DIN A1**  
*„Come home and relax ...”*  
 about automated sun protection

**Item no.** 4995 020 115 X



**Multifunction brochure holder**  
 Can be used as a counter display, wall mount or  
 slatwall holders - also suitable for large formats.  
 A4 portrait.

**Item no.** 4997 000 242 0



**Holders for brochures**  
 for six customer-Folder  
 (similar to picture, no folders)

**Item no.** 4995 910 070 0



**Door and shop window signs**

■ Sticker size 50 x 20 cm

**Item no.** 4995 910 240 X

■ Sticker size 80 x 30 cm

**Item no.** 4995 910 250 X

■ Sticker size 130 x 50 cm

**Item no.** 4995 910 260 X

Pictures are for illustration purposes only and are not binding.





## Sticker Outdoor

- Size 420 x 184 cm
- Weather-resistant film
- Outdoor durability of 3-5 years

Item no. 4995 900 060 X



## Decorative cubes

for your showroom

- Size 30 x 30 x 30cm
- 6 cubes per set

Item no. 4997 000 245 0



## Advertising banners

- Size 85 x 180 cm

Item no. 4995 910 187 X



## X-Banner

- X-banner display aluminum with digital printing
- Size 100x200 cm

Item no. 4995 910 324 X

Pictures are for illustration purposes only and are not binding.



### *Demo panels „Radio Highlights“*

Equipped with three tubular motors, remote control Sun-Wind-Light control SWC442 II, wall-mounted transmitter Sun-Wind-Control SWC411, handheld transmitter Sun-Wind-Control SWC441 II, handheld transmitter with display SWC545-II and sun and wind sensor radio SC811.

- Size 75 x 96 cm
- Weight 50 kg (without packaging)

**Item no.** 4998 000 124 0



### *Demo panels „Centronic Home Automation“*

Equipped with 2 x SC81 Sun-Wind-Sensor, TC52 timer, 2 x Sun-Wind-Control device SWC52, 5 x single control unit UC52

- Size 75 x 96 cm
- Weight 50 kg (without packaging)

**Item no.** 4998 000 114 0



### *Demo panels „Comfortable Control Devices“*

Equipped with Sun-Wind-Sensor SC81, two tubular motors, Sun-Wind-Control device SWC52, 2 x single control unit UC52

- Size 75 x 96 cm
- Weight 50 kg (without packaging)

**Item no.** 4998 000 123 0

Pictures are for illustration purposes only and are not binding.



*Becker "Lifestyle" banners  
„Drives and control for roller shutters  
and sun protection“*

■ Size 120 x 300 cm

■ Outdoor

**Item no.**

4992 097 000 X



*Becker "Lifestyle" banners  
„Drives and control for roller shutters  
and sun protection“*

■ Size 120 x 500 cm

■ Outdoor

**Item no.**

4992 096 000 X

Pictures are for illustration purposes only and are not binding.



### *Demo box "Centronic-II" Sun protection*

with plastic fastener.

Content: EC541-II white, EC545-II black,  
SWC441-II black, SWC442-II white,  
SWC545-II black

**Item no.** 4998 100 030 2



### *Demo box "Centronic-II" empty*

with plastic fastener and cutouts for up to 5 small and  
2 display remote controls

**Item no.** 4998 100 030 0



### *Demo box „Roller shutter & Sun protection“*

For product demonstration to the customer. 18-piece,  
in a rugged aluminum case. Content: EC52, UCR520,  
MC42, MC511, SC43, SC431-II, TC52, TC511, SWC52,  
VC410, UC42, VC421, EC541-II, EC545-II, MC441-II,  
SWC441-II, TC445-II, SWC545-II

**Item no.** 4998 100 002 0



### *Demo box „Sun protection“*

For product demonstration to the customer. 15-piece,  
in a rugged aluminum case. Content: EC52, UCS520,  
SWC411, VC410, SC431-II, TC52, TC511, SWC52, UC42,  
VC421, EC541-II, EC545-II, SWC441-II,  
SWC545-II, Sensorik SC861

**Item no.** 4998 100 011 0

Pictures are for illustration purposes only and are not binding.





*Shopping bag*

**Item no.** 4997 000 120 0



*Ballpoint pens*

■ blue

**Item no.** 4997 000 130 0



*Cigarette lighter*

**Item no.** 4997 000 050 0



*Mains tester / terminal screwdriver*

**Item no.** 4997 000 070 0

Pictures are for illustration purposes only and are not binding.



*Folding ruler*

**Item no.**

4997 000 040 0



*Lanyard*

**Item no.**

4997 000 244 0

Pictures are for illustration purposes only and are not binding.

*Please fax to:*

*Delivery address*

Company

Street/house number

Postcode/City/State

Preferred delivery date (ex Becker works)

Customer No.:

- Parcel service
- Forwarding agent
- Forwarding agent  
Guaranteed delivery by  
\_\_\_\_\_ am/pm
- Post  
COD
- TNT by  
\_\_\_\_\_ am/pm

## Comments

For official use only

# Order form for mechanical accessories

Please fax to:  
+49 (0) 2772/5 07 – 110

## Delivery address

Company

Street/house number

Postcode/City/State

Customer

Customer No./Consignment

Company

Street/house number

Postcode/City/State

Preferred delivery date (ex Becker works)

Customer No.:

### Dispatch via

☐ Parcel service

☐ Forwarding agent

☐ Forwarding agent  
Guaranteed delivery by  
am/pm

☐ Post  
COD

☐ TNT by  
am/pm

Name	Item number	Quantity/Batch	Price/Unit

Comments

Becker Order No.

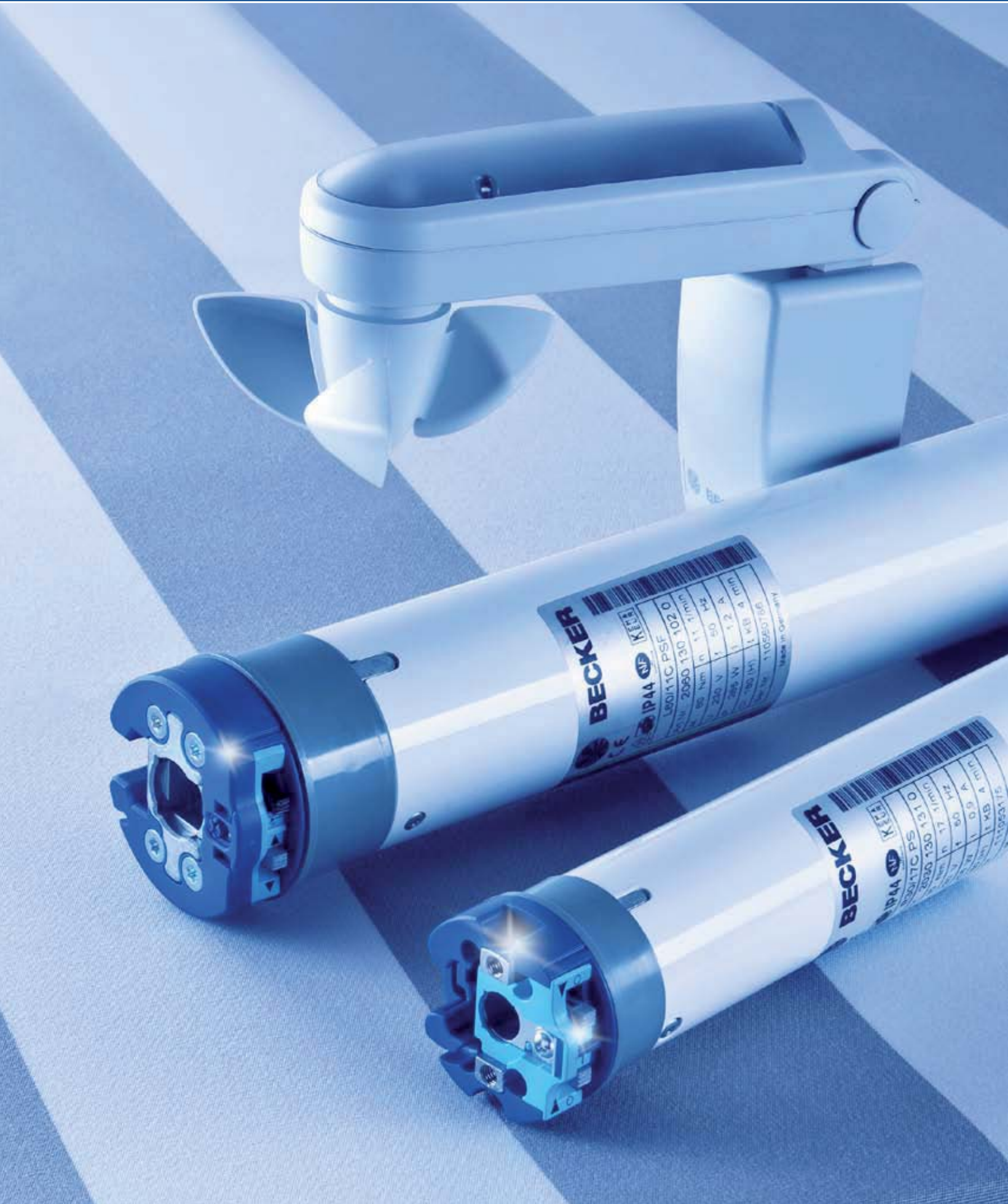
For official use only

































# *Standard conditions of sale*

**Note:** Please ask for the updated General Terms and Conditions with our local subsidiary/representatives in your country as these may be different from those hereunder.



# Combination options – connecting pieces and wall brackets

Example: Drive P5/16 with connecting piece “mini strip C-Plug” (page 89) mounted on the drive head and combined with “wall bracket with catch for mini strip” (page 97).

Tubular drive		P5/xx - P13/xx			R7/xx - R50/xx								L44/xx - L120/xx				HK	
																		
Connecting piece (mounted on the drive head)		Designation	Square, 10 mm	Round pin, diameter 20 mm	Mini strip-P C-Plug	Mounting pin 1/10	Mounting pin 2/10	Mounting pin 3/20	Mounting pin 4/12	Mounting pin 4/16	Mounting pin 4/16-10	Mini strip-R C-Plug	B strip-R C-Plug	Mounting pin 1/16	Mounting pin 2/16	Mounting pin 3/25	B strip-L	Square, 16 mm
Bracket designation		page	101	101	101	102	102	102	102	103	103	103	103	104	104	104	104	123
	Awning bracket-P/R star-10	105	•			•	•											
	Awning bracket-P/R 4K-10	105	•			•	•											
	Universal wall bracket-P/R 3/20	105		•				•										
	Behind plaster bracket-P/R 3/20	105		•				•										
	Conversion bracket-P/R 3/20	106		•				•										
	Plate bracket-P/R B80 3/20	106		•				•										
	Plate bracket-P/R B120 3/20	106		•				•										
	Motor bracket-P/R 3/20	107		•				•					•					
	Wall bracket-P/R with catch/with catch 2	108			•							•						
	Plate bracket-R 85x85	109											•					
	Plate bracket-R	109											•					
	Drive bracket-L star-16	110								•				•	•			•





























BECKER



# Combination options – connecting pieces and wall brackets

Example: Drive L50/17 with connecting piece “Mounting pin 2/16” (page 91) fitted to the drive head and combined with the “Awning bracket L star-16 M6” (page 100).

Tubular drive		P5/xx - P13/xx			R7/xx - R50/xx								L44/xx - L120/xx				HK				
																					
Connecting piece (mounted on the drive head)		Designation	Square, 10 mm	Round pin, diameter 20 mm	Mini strip-P C-Plug	Mounting pin 1/10	Mounting pin 2/10	Mounting pin 3/20	Mounting pin 4/12	Mounting pin 4/16	Mounting pin 4/16-10	Mini strip-R C-Plug	B strip-R C-Plug	Mounting pin 1/16	Mounting pin 2/16	Mounting pin 3/25	B strip-L	Square, 16 mm			
Bracket designation		page	101	101	101	102	102	102	102	103	103	103	103	104	104	104	104	123			
	Awning bracket-L star-16 M6	110												•	•						
	Awning bracket-L star-16 M8	110								•				•	•						
	Universal wall bracket-L 3/25	110														•					
	Plate bracket-L B120 3/25	111														•					
	Combination bracket-L 3/25	111														•					
	Drive bracket-L cover 3/25	111														•					
	Plate bracket-L	112												•							



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