



## Making the automation of roller shutters and sun protection easier together.

Complete catalogue for drives, control units and accessories  
from **BECKER**.



**BECKER**  
Together it's easier.

**Our greatest strength:  
finding ways to make your  
job that much easier.**



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**Together it's easier**  
**that's the philosophy**  
**we live by.**



**Dieter Fuchs**  
*Managing Director*

Dear Customer,

Like all our solutions, our intelligent drives and door control units are designed to make life easier for people – and that includes the workplace. Apart from the high quality of our products, one thing above all is invaluable to us:

**the knowledge that,  
in you, we have a strong partner  
at our side.**

So in this catalogue we also want to make your work and your project planning easier. If you have any questions or suggestions about our automation systems for industrial doors, just call us. We would be happy to work with you to make things easier.

Yours sincerely

Dieter Fuchs

P.S.: Do you know about our BECKER Academy?  
We offer training courses and seminars on everything to do with our drives and control units. You can find out more on page 98 of this catalogue, and at [www.becker-antriebe.de](http://www.becker-antriebe.de)



**BECKER**

# Why BECKER?

We offer people  
more quality of life,  
convenience and safety  
through innovative products  
**"Made in Germany"**.

## *A good decision*

.....

Careful selection of our suppliers, perfectly combined components and assemblies plus high production standards mean that our drives are built for reliability, long service life and smooth running. Together with our ideal range of control units, you get everything from a single source at Becker. So essentially the possibilities are limitless for your particular automation requirements.





### *Quality to rely on*

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Today we operate globally, but as a family-owned business, we have kept our roots in the town of Sinn, in Hessen, where the company was first established. And we continue to manufacture our products in Germany. What's more, every drive is subjected to comprehensive testing on our specially developed test beds, ensuring quality that you and your customers can rely on.



### *Simply efficient*

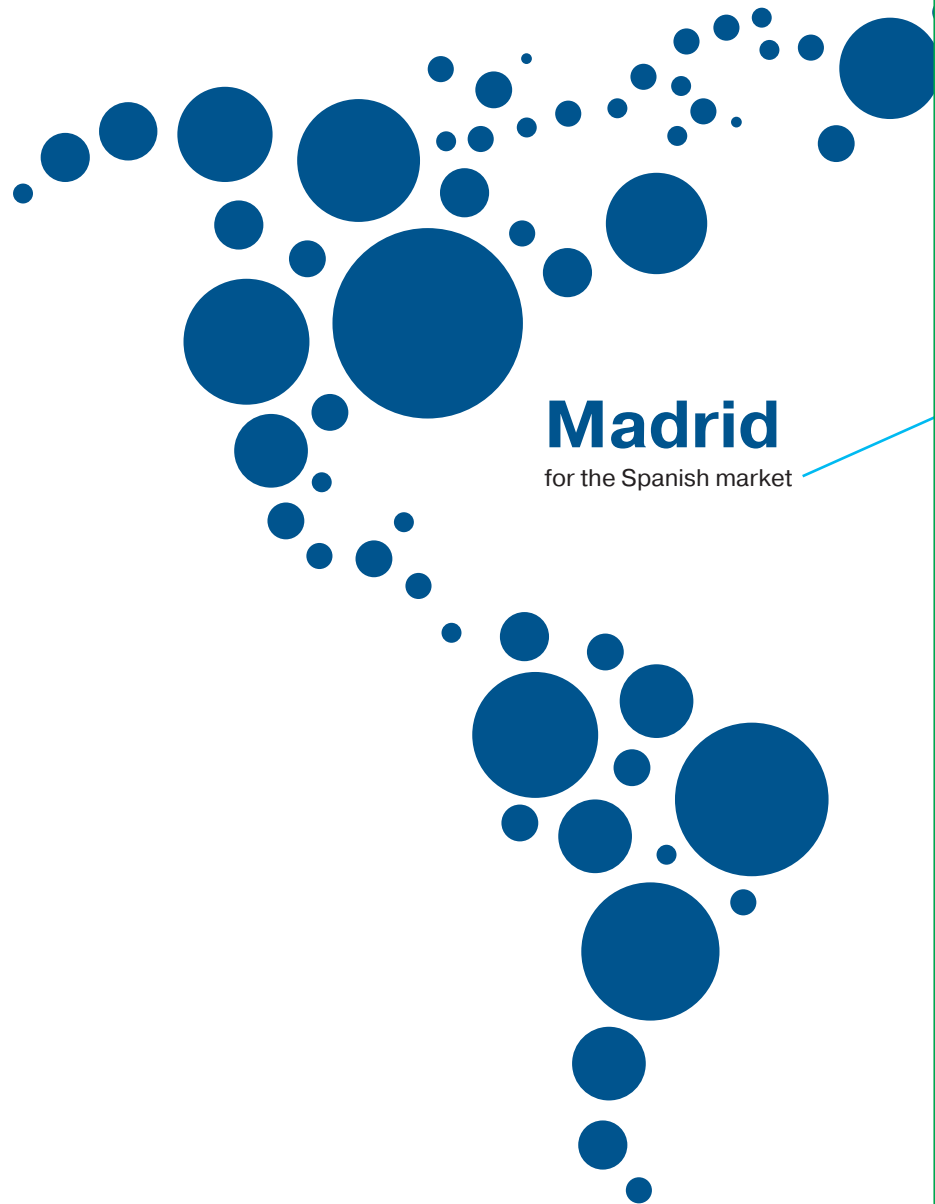
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We regard it as key that we are certified to DIN EN ISO 9001, and that we strive constantly to become even better for our customers and partners. At the same time, we take our environmental responsibility very seriously, so energy efficiency is high on our list of priorities. For sustainable solutions of the highest quality.



**BECKER**

# Making a difference globally.



**Madrid**  
for the Spanish market

**200** employees  
in Germany,  
and another **100**  
staff abroad

help people throughout the world to  
make their lives safer and more  
convenient.

We are personally available to you, as our  
partners in the specialist trade, at many  
locations throughout Europe. In addition,  
we work together with representatives  
and permanent partners throughout the  
world.



## Paris

for the French market

## Maastricht

for the markets in the Benelux countries

## Izmir

for the markets of Turkey, the Middle East  
and some former CIS states

## Sinn

headquarters of Becker-Antriebe

We have a production site in

## Slovakia

## Prague

for the markets in the Czech Republic  
and the Balkan countries



In addition to the global subsidiary companies shown above, you will find our other partners and representatives at [www.becker-antriebe.com](http://www.becker-antriebe.com)



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# C-plug

## Plug-in BECKER connecting cable

- High flexibility through different versions of C-Plug connecting cables
- **No screw connection is necessary**, thereby simplifying mounting and disassembly
- **Drive head can be overwrapped**
- **Degree of protection IP44**
- **Only a conventional mains tester** with a narrow blade is needed for mounting/dismantling the drive cable
- **White cable** enables unobtrusive integration, even in visible areas
- **UV-resistant rubber cable**
- **Black cable** allows unobtrusive integration amongst dark or black elements.
- **Dismantling** the cable when fitted into the roller shutter box is usually possible (depending on the installation position)



## Available versions

### With wire end ferrules

Connecting cable (m)	Colour	Item no.
0.5 m	white	2010 270 603 0
1 m	white	2010 270 408 0
2 m	white	2010 270 442 0
2 m	black	2010 270 464 0
3 m	white	2010 270 380 0
3 m	black	2010 270 541 0
5 m	white	2010 270 421 0
5 m	black	2010 270 698 0
10 m	white	2010 270 423 0
10 m	black	2010 270 699 0

### With Hirschmann plug

type STAS 3N incl. securing clip

Connecting cable (m)	Colour	Item no.
0.3 m	white	2010 270 432 0
0.5 m	white	2010 270 384 0
0.5 m	black	2010 270 499 0
1 m	white	2010 270 383 0
1 m	black	2010 270 501 0
2.5 m	black	2010 270 503 0
5 m	black	2010 270 505 0
10 m	black	2010 270 507 0

### With BECKER coupling

Connecting cable (m)	Colour	Item no.
0.095 m	black	2010 270 653 0

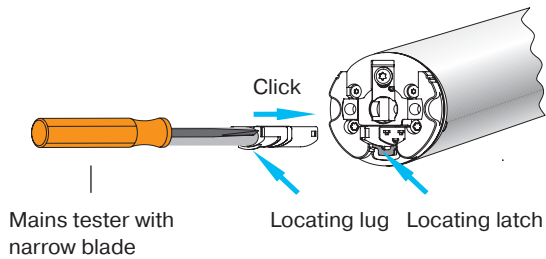
# C-plug tool

- One side for mounting
- One side for dismantling
- Secure engagement and release of the C-Plug connector
- Easy and reliable application of the C-Plug tool through guidance along the connecting cable
- For drives with tube diameters 45 and 58 mm

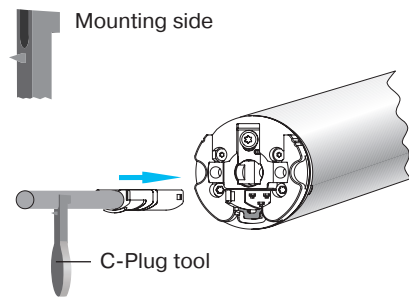


Item no. 2010 300 365 0

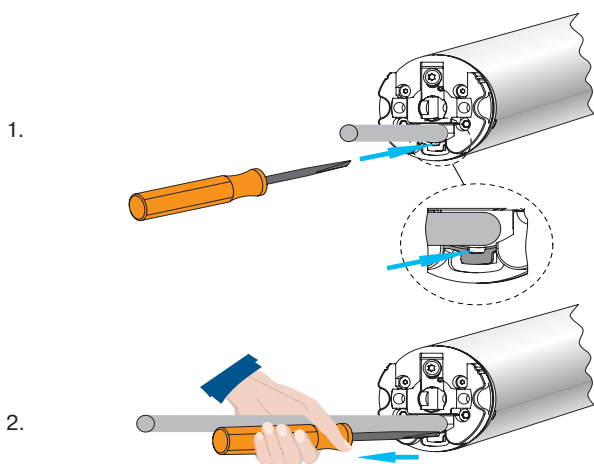
## Mounting with mains tester



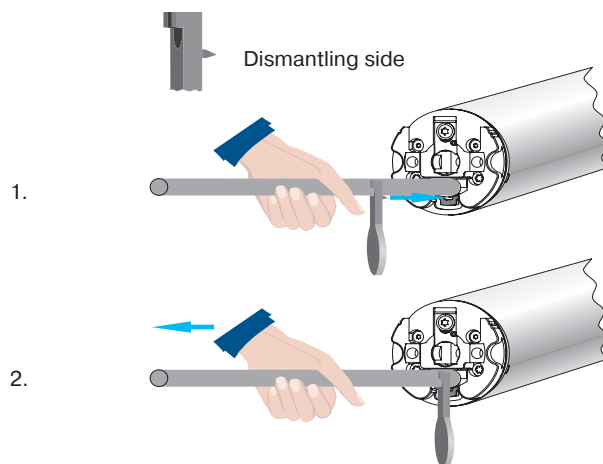
## Mounting with C-Plug tool



## Dismantling with mains tester



## Dismantling with C-Plug tool



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.



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# Overview

## Drives

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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.



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# Roller shutter and sun protection drives with mechanical limit switching

for barrels with diameters of 38 mm and above

**P5/20C M – P13/9C M**

**C+plug**



**Mechanical limit switching**



**Highlight:** Drive cable, ring and drive adapter can be mounted/dis-assembled without screws



**Motor protected against overheating**



**Motor head can be overwrapped**



**Suitable for left and right installation**



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

Technical data

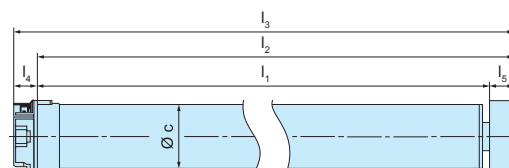
	Item number with bracket	Item number without bracket	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5/20C M</b>	2009 110 100 0	2009 110 101 0	5	20	38	0.47	115	*
<b>P5/30C M</b>	2009 110 102 0	2009 110 103 0	5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

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5/20C M</b>	536	553	556	13	17	35
<b>P5/30C M</b>	536	553	556	13	17	35
<b>P9/16C M</b>	536	553	556	13	17	35
<b>P13/9C M</b>	536	553	556	13	17	35



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of S40 (4930 300 083 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .

# Roller shutter and sun protection drives with mechanical limit switching

for barrels with diameters of 50 mm and above



## R7/17M – R50/11C M

## C-plug



**Mechanical limit switching**



**Motor protected against overheating**



**Suitable for left and right installation**



**Highlight: "Short" drive**  
R7/17M for narrow roller shutter applications.



**Motor head can be overwrapped**



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



**Highlight: Zip version –**  
Drive adapters from various manufacturers can be adapted directly, and therefore fit the zip drive adapters from various manufacturers

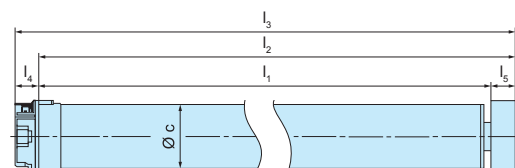
Technical data	Item number	Item number zip	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R7/17M</b>	2010 110 041 0		7	17	17	0.45	90	3
<b>R8/17C M</b>	2010 110 100 0		8	17	38	0.45	100	*
<b>R12/17C M</b>	2010 110 101 0	2010 110 103 0	12	17	38	0.50	110	*
<b>R20/17C M</b>	2020 110 100 0	2020 110 102 0	20	17	38	0.75	160	*
<b>R30/17C M</b>	2030 110 100 0	2030 110 101 0	30	17	38	0.90	205	*
<b>R40/17C M</b>	2040 110 100 0	2040 110 101 0	40	17	38	1.15	260	*
<b>R50/11C M</b>	2050 110 100 0		50	11	38	1.10	240	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R7/17M</b>	354	394	411	17	40	45
<b>R8/17C M</b>	414	454	471	17	40	45
<b>R12/17C M</b>	414	454	471	17	40	45
<b>R20/17C M</b>	443	483	500	17	40	45
<b>R30/17C M</b>	567	607	624	17	40	45
<b>R40/17C M</b>	587	627	644	17	40	45
<b>R50/11C M</b>	514	554	571	17	40	45



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of S60-L (4930 300 466 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



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# Roller shutter and sun protection drives with mechanical limit switching

for barrels with diameters of 63 mm and above



**L60/11C M – L120/11C M**

**C+plug**



**Mechanical limit switching**



**Highlight:** The versatile classic for various applications



**Motor protected against overheating**



**Motor head can be overwrapped**



**Suitable for left and right installation**



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

Technical data

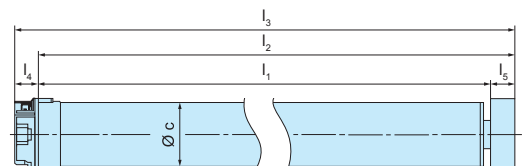
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>L60/11C M</b>	2060 110 100 0	60	11	36	1.2	265	*
<b>L80/11C M</b>	2080 110 100 0	80	11	36	1.4	310	*
<b>L120/11C M</b>	2120 110 100 0	120	11	36	1.9	435	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L60/11C M</b>	673	703	723	20	30	58
<b>L80/11C M</b>	673	703	723	20	30	58
<b>L120/11C M</b>	673	703	723	20	30	58



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of SM70 (4931 300 080 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



# Roller shutter drives with electronic limit switching

for barrels with diameters of 38 mm and above



## P5/16PR+ – P9/16PR+

### E Electronic limit switching



**Your advantage: Easy programming of the limit positions** with and without fixed stops



**Highlight: Obstacle detection in the DOWN direction** when rigid shaft connectors are used



**Blockage detection** in the UP direction (anti-freeze mechanism)



Automatic increase of the pressing force with **anti-lifting devices**



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



**Motor head can be overwrapped**



**Soft upper stop**



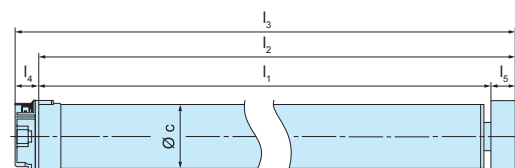
**Dynamic torque adjustment** to changes in the roller shutter element

Technical data	Item number with bracket	Item number without bracket	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5/16PR+</b>	2009 020 110 0	2009 020 109 0	5	16	64	0.36	85	3
<b>P5/20PR+</b>	2009 020 107 0	2009 020 105 0	5	20	64	0.47	115	3
<b>P9/16PR+</b>	2009 020 108 0	2009 020 106 0	9	16	64	0.47	110	3

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

**Operating mode:** S2 4 min **Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5/16PR+</b>	403	420	432	12	17	35
<b>P5/20PR+</b>	403	420	432	12	17	35
<b>P9/16PR+</b>	448	465	477	12	17	35



\*\* Drive adapter width of S40 (4930 300 083 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



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# Roller shutter drives with electronic limit switching

for barrels with diameters of 50 mm and above

R8-E01 ... R40-E01

C-plug



## E Electronic limit switching



**Your advantage: Automatic detection of the limit positions** when flexible suspension springs or rigid shaft connectors are used



**Highlight: Sensitive obstacle detection** in DOWN direction with automatic reversing when flexible suspension springs or rigid shaft connectors are used



**Blockage detection** in the UP direction (anti-freeze mechanism)



**Upper anti-freeze mechanism** with automatic shading solution length adjustment that can be additionally activated



Automatic increase of the pressing force with **anti-lifting devices**



**Fly screen protection function**



**Intelligent installation management** permits limit position corrections



**Limit positions status indicator (LSI)** signals missing limit positions



**Easy programming of the limit positions** with and without fixed stops



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



**Setting of limit positions** via conventional operating element, e.g. rotary switch



**Motor head can be overwrapped**



**Soft upper stop**



**Dynamic torque adjustment** to changes in the roller shutter element

Technical data

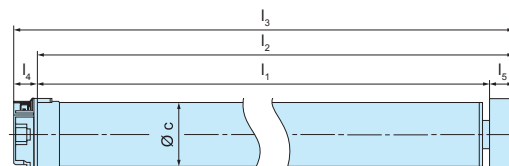
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8-E01</b>	2010 120 139 0	8	17	64	0.45	100	*
<b>R12-E01</b>	2010 120 140 0	12	17	64	0.50	110	*
<b>R20-E01</b>	2020 120 119 0	20	17	64	0.75	160	*
<b>R30-E01</b>	2030 120 118 0	30	17	64	0.90	205	*
<b>R40-E01</b>	2040 120 115 0	40	17	64	1.15	260	*

Rated voltage: 230 V AC/50 Hz

Operating mode: S2 4 min

Degree of protection: IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R8-E01</b>	471	511	528	17	40	45
<b>R12-E01</b>	471	511	528	17	40	45
<b>R20-E01</b>	500	540	557	17	40	45
<b>R30-E01</b>	524	564	581	17	40	45
<b>R40-E01</b>	539	579	596	17	40	45



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of S60-O (4930 200 222 0) page 137; selection of a different drive adapter will change dimension  $l_2$ .

# Roller shutter drives with electronic limit switching

for barrels with diameters of 38 mm and above



## P5-E03 ... P9-E03

### E Electronic limit switching



**Your advantage: Automatic detection of the limit positions** when flexible suspension springs or rigid shaft connectors are used



**Highlight: Sensitive obstacle detection** in the DOWN direction when springs or rigid shaft connectors are used.



**Blockage detection** in the UP direction (anti-freeze mechanism)



**Upper anti-freeze mechanism** with automatic shading solution length adjustment that can be additionally activated



Automatic increase of the pressing force with **anti-lifting devices**



**Intelligent installation management** permits limit position corrections



**Limit positions status indicator** (LSI) signals missing limit positions



**Easy programming of the limit positions** with and without fixed stops



**Motor head can be overwrapped**



**Soft upper stop**



**Dynamic torque adjustment** to changes in the roller shutter element

Technical data

	Item number with bracket	Item number without bracket	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5-E03</b>	2099 120 104 0	2099 120 105 0	5	16	64	0.36	85	3
<b>P9-E03</b>	2099 120 106 0	2099 120 107 0	9	16	64	0.47	110	3

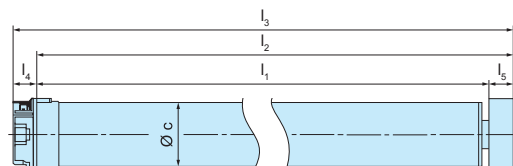
**Rated voltage:** 230 V AC/50 Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)

	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5-E03</b>	424	441	453	12	17	35
<b>P9-E03</b>	454	471	483	12	17	35



\*\* Drive adapter width of S40 (4930 300 083 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



# Roller shutter drives with electronic limit switching

for barrels with diameters of 50 mm and above

## R8/17RP(+)-R40/17RP

### E Electronic limit switching



**Your advantage: Automatic detection of the limit positions** when flexible suspension springs or rigid shaft connectors are used\*

\*Type RP(+)



**Highlight: Sensitive obstacle detection** in the DOWN direction when springs or rigid shaft connectors are used



**Blockage detection** in the UP direction (anti-freeze mechanism)



**Upper anti-freeze mechanism** with automatic shading solution length adjustment that can be additionally activated



Automatic increase of the pressing force with **anti-lifting devices**



**Intelligent installation management** permits limit position corrections



**Limit positions status indicator** (LSI) signals missing limit positions



**Easy programming of the limit positions** with and without fixed stops



**Motor head can be overwrapped**



**Soft upper stop**



**Dynamic torque adjustment** to changes in the roller shutter element

### Technical data

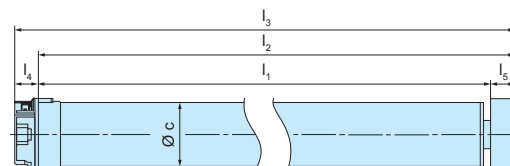
	Item number	Item number RP+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8/17RP</b>	2010 120 021 0	2010 120 022 0	8	17	64	0.45	100	3
<b>R12/17RP</b>	2010 120 010 0	2010 120 011 0	12	17	64	0.50	110	3
<b>R20/17RP</b>	2020 120 007 0	2020 120 008 0	20	17	64	0.75	160	3
<b>R30/17RP</b>	2030 120 005 0		30	17	64	0.90	205	3
<b>R40/17RP</b>	2040 120 006 0		40	17	64	1.15	260	3

Rated voltage: 230 V AC/50 Hz

Operating mode: S2 4 min

Degree of protection: IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R8/17RP</b>	476	516	530	14	40	45
<b>R12/17RP</b>	476	516	530	14	40	45
<b>R20/17RP</b>	505	545	559	14	40	45
<b>R30/17RP</b>	529	569	583	14	40	45
<b>R40/17RP</b>	544	584	598	14	40	45



\*\* Drive adapter width of S60L (4930 300 466 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .

# "Universal" sun protection drives with electronic limit switching

for barrels with diameters of 38 mm and above

## P5/20PS – P9/16PS

### E Electronic limit switching



**Your advantage: Setting of limit positions** via switch on the drive head without the need for a special adjustment set



**Highlight:** Universal application in many shade systems with or without stop



**Blockage detection** in the UP direction



**Automatic shading solution** length adjustment



**Supports parallel connection** without isolating relay



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



**Motor head can be overwrapped**

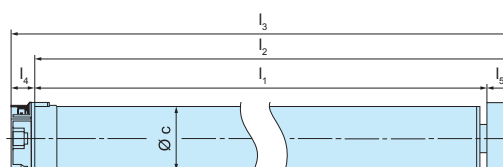
Technical data

	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5/20PS</b>	2099 030 106 0	5	16	64	0.36	85	3
<b>P5/30PS</b>	2099 030 105 0	5	20	64	0.47	115	3
<b>P9/16PS</b>	2099 030 107 0	9	16	64	0.47	110	3

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

**Operating mode:** S2 4 min **Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5/20PS</b>	448	465	477	12	17	35
<b>P5/30PS</b>	448	465	477	12	17	35
<b>P9/16PS</b>	448	465	477	12	17	35



\*\* Drive adapter width of 40x1/42x2 (4930 300 086 0) page 134; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**

# "Universal" sun protection drives with electronic limit switching

for barrels with diameters of 50 mm and above

R8/17C PS – R50/11C PS(+)

C+plug



## E Electronic limit switching



**Your advantage: Setting of limit positions** via switch on the drive head without the need for a special adjustment set



**Highlight:** Universal use in many shade systems with or without stop



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



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



**Supports parallel connection** without isolating relay



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



**Motor head can be overwrapped**

Technical data

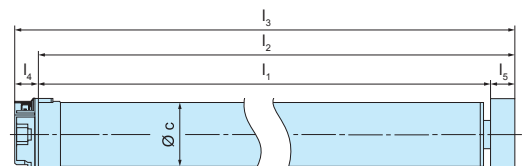
	Item number	Item number PS+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8/17C PS</b>	2010 130 132 0		8	17	64	0.45	100	*
<b>R12/17C PS</b>	2010 130 133 0	2010 130 138 0	12	17	64	0.5	110	*
<b>R20/17C PS</b>	2020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

Rated voltage: 230 V AC/50 Hz

Operating mode: S2 4 min

Degree of protection: IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R8/17C PS</b>	489	506	523	17	17	45
<b>R12/17C PS</b>	489	506	523	17	17	45
<b>R20/17C PS</b>	514	531	548	17	17	45
<b>R30/17C PS</b>	565	582	599	17	17	45
<b>R40/17C PS</b>	556	573	590	17	17	45
<b>R50/11C PS</b>	556	573	590	17	17	45



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78R+F (4930 300 091 0) page 133; selection of a different drive adapter will change dimension  $l_2$ .

# "Universal" sun protection drives with electronic limit switching

for barrels with diameters of 63 mm and above



**L50/17C PS(+)** – **L120/11C PS(+)**

**C-plug**

## E Electronic limit switching



**Your advantage: Setting of limit positions** via switch on the drive head without the need for a special adjustment set



**Highlight:** Universal use in many shade systems with or without stop



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



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



**Supports parallel connection** without isolating relay



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



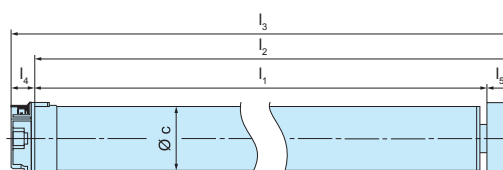
**Motor head can be overwrapped**

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

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

**Operating mode:** S2 4 min **Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L50/17C PS</b>	543	573	593	20	30	58
<b>L60/11C PS</b>	523	553	573	20	30	58
<b>L70/17C PS</b>	573	603	623	20	30	58
<b>L80/11C PS</b>	543	573	593	20	30	58
<b>L120/11C PS</b>	573	603	623	20	30	58



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78N (4931 300 365 0) page 133; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**

# "Reversing" sun protection drives with electronic limit switching

for barrels with diameters of 50 mm and above

**R20/17C SE B0 – R50/11C SE B0**

**C-plug**



## E Electronic limit switching



**Your 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)



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



**Supports parallel connection** without isolating relay



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



**Motor head can be overwrapped**

Technical data

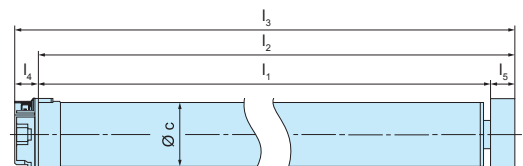
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R20/17C SE B0</b>	2020 130 112 0	20	17	64	0.75	160	*
<b>R30/17C SE B0</b>	2030 130 112 0	30	17	64	0.9	205	*
<b>R40/17C SE B0</b>	2040 130 112 0	37	17	64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

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R20/17C SE B0</b>	500	517	534	17	17	45
<b>R30/17C SE B0</b>	551	568	585	17	17	45
<b>R40/17C SE B0</b>	542	559	576	17	17	45
<b>R50/11C SE B0</b>	542	559	576	17	17	45



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78R+F (4930 300 091 0) page 133; selection of a different drive adapter will change dimension  $l_2$ .



# "Reversing" sun protection drives with electronic limit switching

for barrels with diameters of 63 mm and above



**L50/17C SE B0 – L120/11C SE B0**

**C+plug**

## E Electronic limit switching



**Your 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)



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



**Supports parallel connection** without isolating relay



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



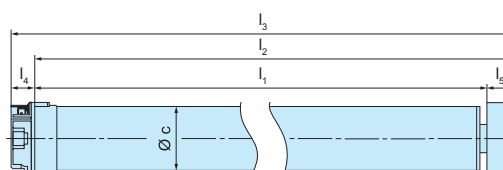
**Motor head can be overwrapped**

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

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

**Operating mode:** S2 4 min **Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L50/17C SE B0</b>	543	573	593	20	30	58
<b>L60/11C SE B0</b>	523	553	573	20	30	58
<b>L70/17C SE B0</b>	573	603	623	20	30	58
<b>L80/11C SE B0</b>	543	573	593	20	30	58
<b>L120/11C SE B0</b>	573	603	623	20	30	58



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78N (4931 300 365 0) page 133; selection of a different drive adapter will change dimension  $l_2$ .



# "Locking" sun protection drives with electronic limit switching

for barrels with diameters of 50 mm and above

**R12/17C SE I1 – R40/17C SE I1**

**C-plug**



## E Electronic limit switching



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



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



**Blockage detection** in the UP direction



**Automatic shading solution** length adjustment



**Supports parallel connection** without isolating relay



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



**Motor head can be overwrapped**

Technical data

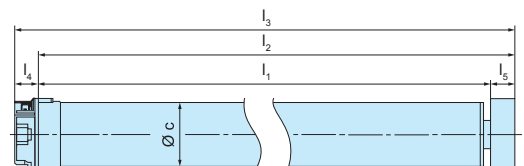
	Item number	Torque (Nm)		Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R12/17C SE I1</b>	2010 130 113 0	12	17	64	0.5	110	*	
<b>R20/17C SE I1</b>	2020 130 113 0	20	17	64	0.75	160	*	
<b>R30/17C SE I1</b>	2030 130 113 0	30	17	64	0.9	205	*	
<b>R40/17C SE I1</b>	2040 130 113 0	37	17	64	1.18	230	*	

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	l <sub>1</sub>	l <sub>2</sub> **	l <sub>3</sub> **	l <sub>4</sub>	l <sub>5</sub> **	dia. c
<b>R12/17C SE I1</b>	475	492	509	17	17	45
<b>R20/17C SE I1</b>	500	517	534	17	17	45
<b>R30/17C SE I1</b>	524	541	558	17	17	45
<b>R40/17C SE I1</b>	542	559	576	17	17	45



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78R+F (4930 300 091 0) page 133; selection of a different drive adapter will change dimension l<sub>2</sub>.

# "Locking" sun protection drives with electronic limit switching

for barrels with diameters of 63 mm and above



**L50/17C SE I1 – L120/11C SE I1**



## E Electronic limit switching



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



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



**Blockage detection** in the UP direction



**Automatic shading solution** length adjustment



**Supports parallel connection** without isolating relay



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



**Motor head can be overwrapped**

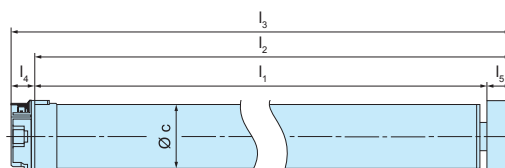
Technical data	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>L50/17C SE I1</b>	2050 130 114 0	50	17	64	1.4	315	*
<b>L70/17C SE I1</b>	2070 130 113 0	70	17	64	1.9	430	*
<b>L80/11C SE I1</b>	2080 130 113 0	80	11	64	1.4	310	*
<b>L120/11C SE I1</b>	2120 130 113 0	120	11	64	1.9	435	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	I <sub>1</sub>	I <sub>2</sub> **	I <sub>3</sub> **	I <sub>4</sub>	I <sub>5</sub> **	dia. c
<b>L50/17C SE I1</b>	543	573	593	20	30	58
<b>L70/17C SE I1</b>	573	603	623	20	30	58
<b>L80/11C SE I1</b>	543	573	593	20	30	58
<b>L120/11C SE I1</b>	573	603	623	20	30	58



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78N (4931 300 365 0) page 133; selection of a different drive adapter will change dimension I<sub>2</sub>.



# Sun protection drives with electronic limit switching

for barrels with diameters of 78 mm and above

**R30/17C SE+ K5 mute –  
R50/11C SE+ K5 mute**

**C-plug**



**E** **Electronic limit switching**



**Blockage detection**  
in the UP direction (anti-freeze mechanism)



**Auto-install function**



**Highlight: mute** – extra-quiet running



**Automatic shading solution length adjustment**



**Supports parallel connection**  
without isolating relay



Special mute adapter required\*\*



**Higher closing force**  
for cassette awnings



**Motor head can be overwrapped**

Technical data

	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R30/17C SE+ K5 mute</b>	2030 130 149 0	30	17	64	0.9	205	*
<b>R40/17C SE+ K5 mute</b>	2040 130 152 0	40	17	64	1.15	260	*
<b>R50/11C SE+ K5 mute</b>	2050 130 164 0	50	17	64	1.1	240	*

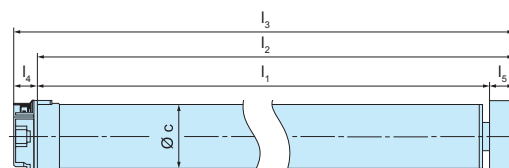
**Rated voltage:** 230 V AC/50 Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)

	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R30/17C SE+ K5 mute</b>	659	688	705	17	29	45
<b>R40/17C SE+ K5 mute</b>	669	698	715	17	29	45
<b>R50/11C SE+ K5 mute</b>	669	698	715	17	29	45



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78N mute (4930 200 256 0) page 134; selection of a different drive adapter will change dimension  $l_2$ .

# Roller shutter drives with integrated radio receiver

for barrels with diameters of 38 mm and above



**P5/16C PROF+ – P9/16C PROF+**

**C+plug**



868,3 MHz

**Integrated radio receiver**  
compatible with the Centronic control unit range



**Your advantage: Automatic detection of the limit positions** when flexible suspension springs or rigid shaft connectors are used



**Highlight: Sensitive obstacle detection** in the DOWN direction with automatic reversing when flexible suspension springs or rigid shaft connectors are used



**Blockage detection** in the UP direction (anti-freeze mechanism)



**Upper anti-freeze mechanism** with automatic shading solution length adjustment that can be additionally activated



Automatic increase of the pressing force with **anti-lifting devices**



**Fly screen protection function**



**Motor head can be overwrapped**



**Intelligent installation management** permits limit position corrections



**Limit positions status indicator** (LSI) signals missing limit positions



**Easy programming of the limit positions** with and without fixed stops



**2 freely selectable intermediate positions** can be programmed



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



**Soft upper stop**



**Dynamic torque adjustment** to changes in the roller shutter element

Technical data

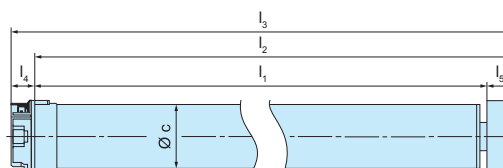
	Item number with bracket	Item number without bracket	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5/16C PROF+</b>	2009 120 100 0	2009 120 101 0	5	16	64	0.36	85	*
<b>P9/16C PROF+</b>	2009 120 102 0	2009 120 103 0	9	16	64	0.47	110	*

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

**Operating mode:** S2 4 min **Degree of protection:** IP44

Dimensions (in mm)

	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5/16C PROF+</b>	421	461	474	13	40	35
<b>P9/16C PROF+</b>	451	491	504	13	40	35



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of O-S40 (4930 200 250 0) page 137; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**















# Roller shutter drives with integrated radio receiver

for barrels with diameters of 50 mm and above

**R8/17C PROF+ – R40/17C PROF+**

**C+plug**



 <p><b>Integrated radio receiver</b> compatible with the Centronic control unit range 868,3 MHz</p>	 <p><b>Upper anti-freeze mechanism</b> with automatic shading solution length adjustment that can be additionally activated</p>	 <p><b>Easy programming of the limit positions</b> with and without fixed stops</p>
 <p><b>Your advantage: Automatic detection of the limit positions</b> when flexible suspension springs or rigid shaft connectors are used</p>	 <p>Automatic increase of the pressing force with <b>anti-lifting devices</b></p>	 <p><b>2 freely selectable intermediate positions</b> can be programmed</p>
 <p><b>Highlight: Sensitive obstacle detection</b> in the DOWN direction with automatic reversing when flexible suspension springs or rigid shaft connectors are used</p>	 <p><b>Motor head can be overwrapped</b></p>	 <p><b>Single, group and central control units</b> possible with up to 16 transmitters</p>
 <p><b>Blockage detection</b> in the UP direction (anti-freeze mechanism)</p>	 <p><b>Intelligent installation management</b> permits limit position corrections</p>	 <p><b>Soft upper stop</b></p>
	 <p><b>Limit positions status indicator</b> (LSI) signals missing limit positions</p>	 <p><b>Dynamic torque adjustment</b> to changes in the roller shutter element</p>

Technical data

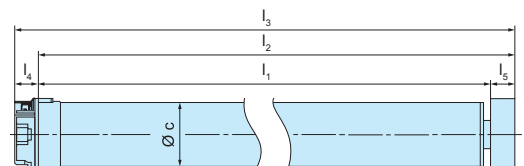
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8/17C PROF+</b>	2010 120 130 0	8	17	64	0.45	100	*
<b>R12/17C PROF+</b>	2010 120 131 0	12	17	64	0.50	110	*
<b>R20/17C PROF+</b>	2020 120 114 0	20	17	64	0.75	160	*
<b>R30/17C PROF+</b>	2030 120 112 0	30	17	64	0.90	205	*
<b>R40/17C PROF+</b>	2040 120 111 0	40	17	64	1.15	260	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R8/17C PROF+</b>	471	511	528	17	40	45
<b>R12/17C PROF+</b>	471	511	528	17	40	45
<b>R20/17C PROF+</b>	500	540	557	17	40	45
<b>R30/17C PROF+</b>	524	564	581	17	40	45
<b>R40/17C PROF+</b>	539	579	596	17	40	45



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of S60-O (4930 200 222 0) page 137; selection of a different drive adapter will change dimension  $l_2$ .

# Roller shutter drives with integrated B-Tronic radio receiver

for barrels with diameters of 38 mm and above

P5-B01 ... P9-B01

C+plug B-TRONIC



## Bidirectional radio receiver and memory function integrated

/ The drive reports its position, along with status information, to the operating device / compatible with the KNX-RF standard, and can therefore easily be integrated into home automation installations / can be programmed to recognise up to 16 transmitters / switching times can be programmed with hand-held transmitters and CentralControl / easy programming and travel to any 2 intermediate positions possible from any position with transmitter or automatic function



**Highlight: Feedback of position and status, along with repeating function which can be activated**



## Sensitive obstacle detection.

The drive stops and reverses automatically if it meets an obstacle



## Blockage detection

in the UP direction (anti-freeze mechanism)



## Upper anti-freeze mechanism

with automatic shading solution length adjustment that can be additionally activated



Automatic increase of the pressing force with **anti-lifting devices**



**Intelligent installation management** permits limit position corrections



**Automatic setting of limit positions** – when fixed stops are used, the drive automatically detects the limit positions, whether rigid shaft connectors or flexible suspension springs are used



**Limit positions can be set with pinpoint accuracy** – depending on the requirements, the limit positions can also be set with pinpoint accuracy



**Soft upper stop**



**Dynamic torque adjustment** to changes in the roller shutter element

Technical data

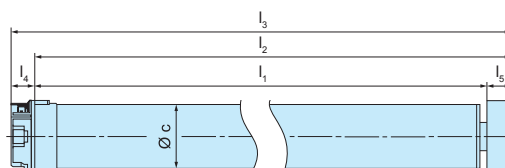
	Item number with bracket	Item number without bracket	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5-B01</b>	2099 520 003 0	2099 520 001 0	5	16	64	0.36	85	2
<b>P9-B01</b>	2099 520 004 0	2099 520 002 0	9	16	64	0.47	110	2

Rated voltage: 230 V AC/50 Hz

Operating mode: S2 4 min Degree of protection: IP44

Dimensions (in mm)

	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5-B01</b>	421	461	474	13	40	35
<b>P9-B01</b>	451	491	504	13	40	35



\*\* Drive adapter width of S40 (4930 300 083 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**

# Roller shutter drives with integrated B-Tronic radio receiver

for barrels with diameters of 50 mm and above

R8-B01 ... R40-B01

C-plug B-TRONIC



## Bidirectional radio receiver and memory function integrated

The drive reports its position, along with status information, to the operating device / compatible with the KNX-RF standard, and can therefore easily be integrated into home automation installations / can be programmed to recognise up to 16 transmitters / switching times can be programmed with hand-held transmitters and CentralControl / easy programming and travel to any 2 intermediate positions possible from any position with transmitter or automatic function



**Highlight:** Feedback of position and status, along with repeating function which can be activated



**Sensitive obstacle detection** – the drive stops and reverses automatically if it meets an obstacle.



**Blockage detection** in the UP direction (anti-freeze mechanism)



**Upper anti-freeze mechanism** with automatic shading solution length adjustment that can be additionally activated



Automatic increase of the pressing force with **anti-lifting devices**



**Intelligent installation management** permits limit position corrections



**Automatic limit position setting** – when fixed stops are used, the drive automatically detects the limit positions, whether rigid shaft connectors or flexible suspension springs are used



**Limit positions can be set with pinpoint accuracy** – depending on the requirements, the limit positions can also be set with pinpoint accuracy



**Soft upper stop**



**Dynamic torque adjustment** to changes in the roller shutter element

## Technical data

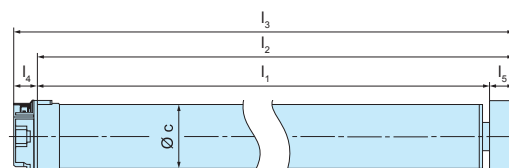
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8-B01</b>	2010 520 001 0	8	17	64	0.45	100	*
<b>R12-B01</b>	2010 520 002 0	12	17	64	0.50	110	*
<b>R20-B01</b>	2020 520 001 0	20	17	64	0.75	160	*
<b>R30-B01</b>	2030 520 001 0	30	17	64	0.90	205	*
<b>R40-B01</b>	2040 520 001 0	40	17	64	1.15	260	*

Rated voltage: 230 V AC/50 Hz

Operating mode: S2 4 min

Degree of protection: IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R8-B01</b>	471	511	528	17	40	45
<b>R12-B01</b>	471	511	528	17	40	45
<b>R20-B01</b>	500	540	557	17	40	45
<b>R30-B01</b>	524	564	581	17	40	45
<b>R40-B01</b>	539	579	596	17	40	45



\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of O-S60 (4930 200 222 0) page 137; selection of a different drive adapter will change dimension  $l_2$ .



# Roller shutter Solar Set

for the operation of roller shutters  
independently of mains power

## RSS241

- Mains-independent roller shutter drive and control unit set
- Local and remote operation are possible
- Compatible with Becker Centronic remote control
- The control/battery unit mounted in the interior offers easy servicing and high operational safety
- More than 100 operating cycles can be achieved from one battery charge
- The limit positions do not have to be set
- Two intermediate positions can be set
- Obstacle detection through the use of rigid shaft connectors
- **Items included:** DC drive, VC260 control unit, 1-channel hand-held transmitter EC541-II, battery, solar panel, wall bracket and wiring set, S40 drive adapter and ring combination.



Item no. 4034 000 214 0	
Drive torque P6/20G1 drive	4 Nm
Speed	20 rpm
Nominal current	2.5 A
Operating voltage	12 V
Solar panel dimensions	558 x 70 x 12 mm
Degree of protection	VC260: IP20 (mounted) solar cell: IP45

## Optional accessories

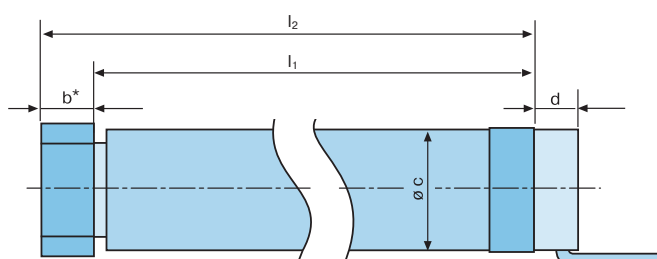
Plug-in power supply

Item no. 4034 200 092 0	
Rated voltage	230 – 240 V AC / 50 – 60 Hz
Current	20 rpm

1.5 m extension cable for drive or solar cell

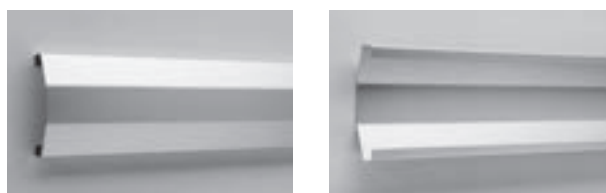
Item no. 4822 200 241 0

Dimensions (in mm)	b*	l <sub>1</sub>	l <sub>2</sub>	c	d
P6/20G1	17	405	422	35	12



Anodised fitting profile for solar cell

Item no. 4034 300 055 0



# "Universal" sun protection drives with integrated radio receiver

for barrels with diameters of 38 mm and above

## P5/20PSF – P9/16PSF



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



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



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



**Blockage detection** in the UP direction



**Automatic shading solution** length adjustment



**Limit positions status indicator**



**2 freely selectable intermediate positions can be programmed**



**Intermediate positions** can be approached from any location



**Dead-man mode** when setting the limit positions



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



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



**Motor head can be overwrapped**

Technical data

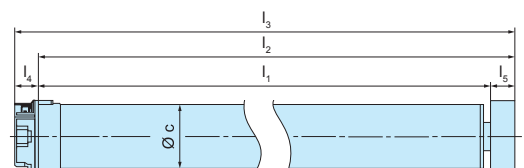
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>P5/20PSF</b>	2009 030 101 0	5	20	64	0.47	115	3
<b>P5/30PSF</b>	2009 030 100 0	5	30	64	0.47	115	3
<b>P9/16PSF</b>	2009 030 102 0	5	16	64	0.47	110	3

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>P5/20PSF</b>	448	465	477	12	17	35
<b>P5/30PSF</b>	448	465	477	12	17	35
<b>P9/16PSF</b>	448	465	477	12	17	35



\*\* Drive adapter width of 40 x 1 / 42 x 2 (4930 300 086 0) page 134; selection of a different drive adapter will change dimension  $l_2$ .

# "Universal" sun protection drives with integrated radio receiver

for barrels with diameters of 50 mm and above

**R8/17C PSF(+)** – **R50/11C PSF(+)**

**C+plug**



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



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



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



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



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



**Limit positions status indicator**



**2 freely selectable intermediate positions can be programmed**



**Intermediate positions** can be approached from any location



**Dead-man mode** when setting the limit positions



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



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



**Motor head can be overwrapped**

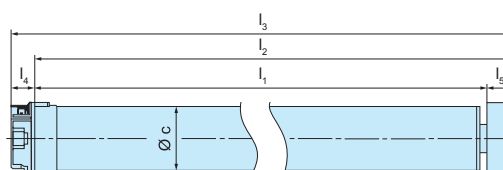
Technical data

	Item number	Item number PSF+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8/17C PSF</b>	2010 130 147 0		8	17	64	0.45	100	*
<b>R12/17C PSF</b>	2010 130 148 0	2010 130 149 0	12	17	64	0.5	110	*
<b>R20/17C PSF</b>	2020 130 136 0	2020 130 137 0	20	17	64	0.75	160	*
<b>R30/17C PSF</b>	2030 130 143 0	2030 130 144 0	30	17	64	0.9	205	*
<b>R40/17C PSF</b>	2040 130 150 0	2040 130 151 0	40	17	64	1.18	230	*
<b>R50/11C PSF</b>	2050 130 155 0	2050 130 156 0	50	11	64	1.1	240	*

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

**Operating mode:** S2 4 min **Degree of protection:** IP44

Dimensions (in mm)	l <sub>1</sub>	l <sub>2</sub> **	l <sub>3</sub> **	l <sub>4</sub>	l <sub>5</sub> **	dia. c
<b>R8/17C PSF</b>	485	502	519	17	17	45
<b>R12/17C PSF</b>	485	502	519	17	17	45
<b>R20/17C PSF</b>	514	531	548	17	17	45
<b>R30/17C PSF</b>	542	559	576	17	17	45
<b>R40/17C PSF</b>	553	570	587	17	17	45
<b>R50/11C PSF</b>	553	570	587	17	17	45



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78R+F (4930 300 091 0) page 133; selection of a different drive adapter will change dimension l<sub>2</sub>.



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# "Universal" sun protection drives with integrated radio receiver

for barrels with diameters of 63 mm and above

**L50/17C PSF(+)** – **L120/11C PSF(+)**

**C+plug**



 <p><b>Electronic limit switching</b> with integrated radio receiver compatible with the Centronic range of control units</p>	 <p><b>Automatic shading solution</b> length adjustment</p>	 <p><b>Dead-man mode</b> when setting the limit positions</p>
 <p><b>Your advantage: Simple setting of limit positions</b> via Centronic hand-held or wall transmitter</p>	 <p><b>Higher closing forces</b> for cassette awnings (PSF+)</p>	 <p><b>Single, group and central control</b> possible, with up to 16 transmitters</p>
 <p><b>Highlight: Universal use</b> in many shade systems, with or without stop</p>	 <p><b>Limit positions status indicator</b></p>	 <p><b>Soft upper stop</b> – optimum adjustment of closing forces for cloth protection</p>
 <p><b>Blockage detection</b> in the UP direction</p>	 <p><b>2 freely selectable intermediate positions</b> can be programmed</p>	 <p><b>Motor head can be overwrapped</b></p>
	 <p><b>Intermediate positions</b> can be approached from any location</p>	

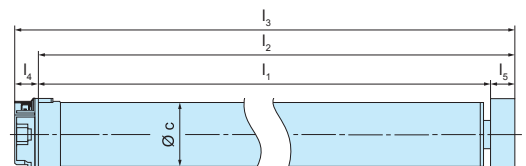
Technical data	Item number	Item number PSF+	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>L50/17C PSF</b>	2050 130 157 0	2050 130 158 0	50	17	64	1.4	315	*
<b>L60/11C PSF</b>	2060 130 108 0	2060 130 109 0	60	11	64	1.2	265	*
<b>L70/17C PSF</b>	2070 130 105 0	2070 130 106 0	70	17	64	1.9	430	*
<b>L80/11C PSF</b>	2080 130 134 0	2080 130 135 0	80	11	64	1.4	310	*
<b>L120/11C PSF</b>	2120 130 108 0	2120 130 109 0	120	11	64	1.9	435	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	l <sub>1</sub>	l <sub>2</sub> **	l <sub>3</sub> **	l <sub>4</sub>	l <sub>5</sub> **	dia. c
<b>L50/17C PSF</b>	535	565	585	20	30	58
<b>L60/11C PSF</b>	515	545	565	20	30	58
<b>L70/17C PSF</b>	565	595	615	20	30	58
<b>L80/11C PSF</b>	535	565	585	20	30	58
<b>L120/11C PSF</b>	565	595	615	20	30	58



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78R+F (4930 300 091 0) page 133; selection of a different drive adapter will change dimension l<sub>2</sub>.

# "Locking" sun protection drives with integrated radio receiver

for barrels with diameters of 50 mm and above

**R8/17C SEF I1 – R40/17C SEF I1**

**C+plug**



868,3 MHz

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



**Your 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



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



**2 freely selectable intermediate positions** can be programmed



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



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



**Motor head can be overwrapped**

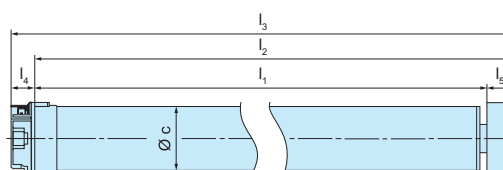
Technical data	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R8/17C SEF I1</b>	2010 130 155 0	8	17	64	0.45	100	*
<b>R12/17C SEF I1</b>	2010 130 156 0	12	17	64	0.5	110	*
<b>R20/17C SEF I1</b>	2020 130 144 0	20	17	64	0.75	160	*
<b>R30/17C SEF I1</b>	2030 130 140 0	30	17	64	0.9	205	*
<b>R40/17C SEF I1</b>	2040 130 147 0	37	14	64	1.18	230	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R8/17C SEF I1</b>	475	492	509	17	17	45
<b>R12/17C SEF I1</b>	475	492	509	17	17	45
<b>R20/17C SEF I1</b>	500	517	534	17	17	45
<b>R30/17C SEF I1</b>	551	568	585	17	17	45
<b>R40/17C SEF I1</b>	542	559	576	17	17	45



\* C+plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78N (4931 300 365 0) page 133; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**

# "Locking" sun protection drives with integrated radio receiver

for barrels with diameters of 63 mm and above

**L50/17C SEF I1 – L120/11C SEF I1**

**C-plug**



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



**Your 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



**Blockage detection** in the UP direction



**Automatic shading solution length adjustment**



**2 freely selectable intermediate positions** can be programmed



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



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



**Motor head can be overwrapped**

Technical data

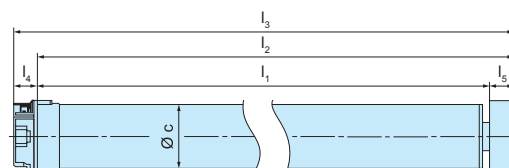
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>L50/17C SEF I1</b>	2050 130 154 0	50	17	64	1.4	315	*
<b>L70/17C SEF I1</b>	2070 130 104 0	70	17	64	1.9	430	*
<b>L80/11C SEF I1</b>	2080 130 133 0	80	11	64	1.4	310	*
<b>L120/11C SEF I1</b>	2120 130 107 0	120	11	64	1.9	435	*

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L50/17C SEF I1</b>	543	573	593	20	30	58
<b>L70/17C SEF I1</b>	573	603	623	20	30	58
<b>L80/11C SEF I1</b>	543	573	593	20	30	58
<b>L120/11C SEF I1</b>	573	603	623	20	30	58

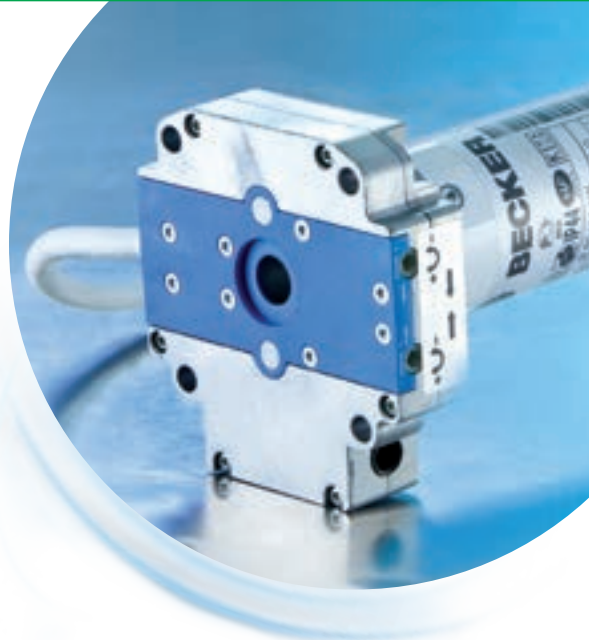


\* C-plug connecting cables are available in various versions and lengths, and are to be ordered separately (cf. table on page 10)

\*\* Drive adapter width of DW78R+F (4930 300 091 0) page 133; selection of a different drive adapter will change dimension  $l_2$ .

# Roller shutter and sun protection drives with crank connection

for barrels with diameters of 50 mm and above



## R12/17HK – R50/11HK



**Mechanical limit switching** with crank connection



**Motor protected against overheating**



**Easy limit position setting** from 2 sides



**Your advantage:** Crank can be inserted from 2 sides



**Suitable for left and right installation**



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

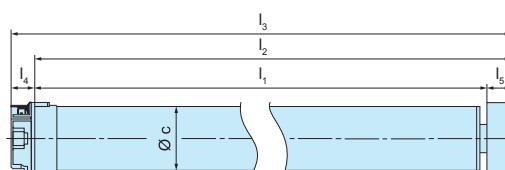
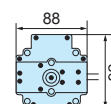
Technical data	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>R12/17HK</b>	2010 140 003 0	12	17	38	0.50	110	3
<b>R20/17HK</b>	2020 140 004 0	20	17	38	0.75	160	3
<b>R30/17HK</b>	2030 140 005 0	30	17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

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

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>R12/17HK</b>	637	677	704	27	40	45
<b>R20/17HK</b>	677	717	744	27	40	45
<b>R30/17HK</b>	676	716	743	27	40	45
<b>R40/17HK</b>	696	736	763	27	40	45
<b>R50/11HK</b>	697	737	764	27	40	45



\*\* Drive adapter width of S60-L (4930 300 466 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**

# Roller shutter and sun protection drives with crank connection

for barrels with diameters of 63 mm and above



## L50/17HK – L120/11HK



**Mechanical limit switching**  
with crank connection



**Motor protected against over-  
heating**



**Easy limit position setting**  
from 2 sides



**Your advantage: Crank** can be  
inserted from 2 sides



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



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

Technical data

	Item number with bracket	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)	Connecting cable (m)
<b>L50/17HK</b>	2050 040 100 0	50	17	36	1.4	315	3
<b>L60/11HK</b>	2060 040 100 0	60	11	38	1.2	265	3
<b>L80/11HK</b>	2080 040 100 0	80	11	38	1.4	310	3
<b>L120/11HK</b>	2120 040 100 0	120	11	38	1.9	435	3

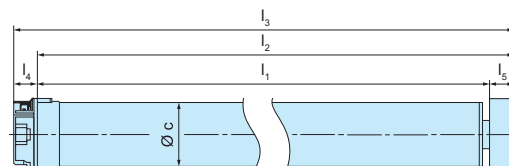
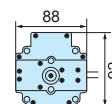
**Rated voltage:** 230 V AC/50 Hz

**Operating mode:** S2 4 min

**Degree of protection:** IP44

Dimensions (in mm)

	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L50/17HK</b>	748	778	805	27	30	58
<b>L60/11HK</b>	748	778	805	27	30	58
<b>L80/11HK</b>	748	778	805	27	30	58
<b>L120/11HK</b>	748	778	805	27	30	58



\*\* Drive adapter width of SM70 (4931 300 080 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



# DC drives



## L35/8G – XL200/2.5G



### Mechanical limit switching



**Your advantage:** Simple battery backup with 12 V or 24 V 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



### Smooth, quiet running



### Motor head can be overwrapped



**Simple setting of limit positions**  
without special tools or with flexible setting tools



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



Can be used for swimming pool covers and vehicle superstructures

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

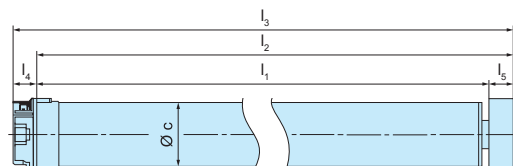
Operating mode: S2 8 min

Degree of protection: IP44

\*Degree of protection: IP45

Connecting cable: 4 m

Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L35/8G</b>	583	613	633	20	30	58
<b>L60/8G</b>	583	613	633	20	30	58
<b>L120/3G</b>	606	636	656	20	30	58
<b>XL60/8G</b>	583	613	633	20	30	58
<b>XL120/3G</b>	606	636	656	20	30	58
<b>XL200/2.5G</b>	776	806	826	20	30	58

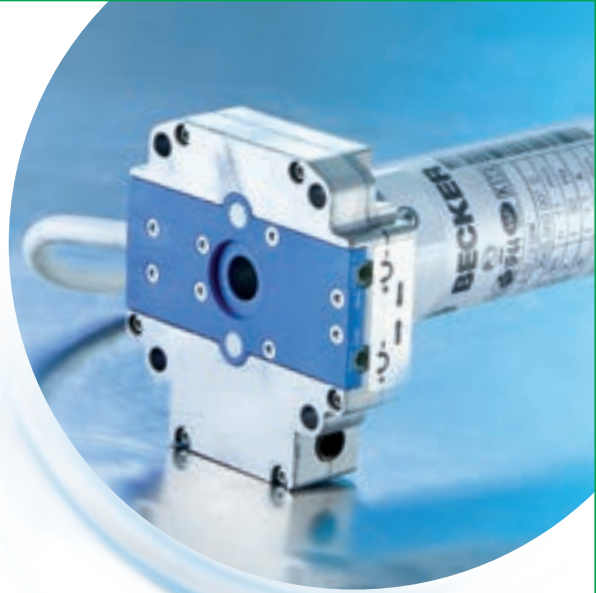


\*\* Drive adapter width of SM70 (4931 300 080 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .



**BECKER**

# DC drives with crank connection



## L60/8GHK – L120/3GHK



**Mechanical limit switching with crank connection**



**Your advantage:** Crank and/or battery operation (12 V or 24 V) permits 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



**Smooth, quiet running**



**Simple setting of limit positions**  
without special tools or with flexible setting tools



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



**Pivoting bearing for crank can be inserted from two sides**



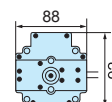
**Can be used for swimming pool covers and vehicle superstructures**

Technical data

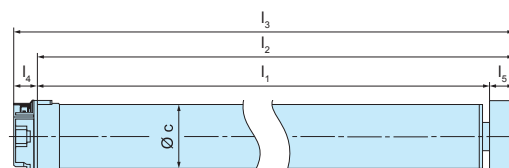
	Item number	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Rated voltage (V/DC)	Nominal current (A)	Power consumption (W)
<b>L60/8GHK</b>	2060 060 001 0	60	8	38	24	6.3	150
<b>L120/3GHK</b>	2120 060 002 0	120	3	38	24	5.0	120

**Operating mode:** S2 8 min

**Degree of protection:** IP44 **Connecting cable:** 4 m

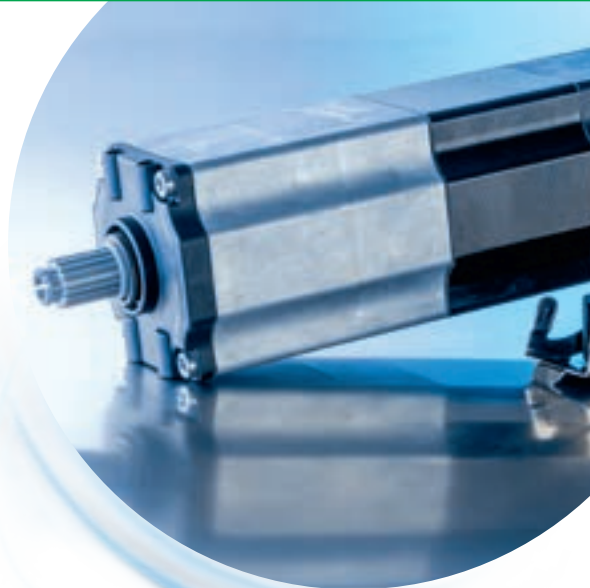


Dimensions (in mm)	$l_1$	$l_2^{**}$	$l_3^{**}$	$l_4$	$l_5^{**}$	dia. c
<b>L60/8GHK</b>	748	778	805	27	30	58
<b>L120/3GHK</b>	771	801	828	27	30	58



\*\* Drive adapter width of SM70 (4931 300 080 0) page 128; selection of a different drive adapter will change dimension  $l_2$ .

# Blind drives



## D249 – D839



**Highlight:** Easy fitting in the head rail through adapted form with internal, hidden fastening brackets



**Standardised drives** with modular accessories



**Adjustable upper and lower limit positions**



**Exact switching off** in the upper limit position through mushroom-head push button



**With 0.5 m motor cable and moulded-on connector**

Technical data	Item number Left side fitting	Item number Right side fitting	Torque (Nm)	Speed (min <sup>-1</sup> )	Limit switch range (revolutions)	Nominal current (A)	Power consumption (W)
<b>D249</b>	2005 999 023 0	2005 999 022 0	2x3	23	67	0.42	95
<b>D349</b>	2005 999 025 0	2005 999 024 0	2x5	22	67	0.67	140
<b>D370 SMI</b>		2005 999 062 0	2x5 one-sided 6 Nm	23	145	0.82	92
<b>D539</b>	2005 999 021 0	2005 999 020 0	10	23	97	0.51	115
<b>D839</b>		2005 999 026 0	2x9.5	23	97	0.97	218

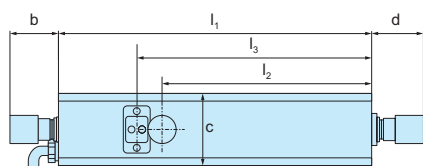
**Rated voltage:** 230 V AC/50 Hz

**Operating mode:** D249, D349, D839: KB 4 min, D539: KB 6 min

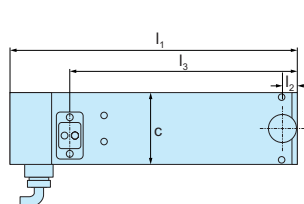
**Degree of protection:** IP54

Dimensions (in mm)	b	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	c	d
<b>D249</b>	38	239.9	159.9	128	55	41
<b>D349</b>	38	239.9	159.9	128	55	41
<b>D370 SMI</b>	19.55	277.9	11		55	19.55
<b>D539</b>		203.7	13.3	161	50	
<b>D839</b>	15	275	221.9	196.9	50	15

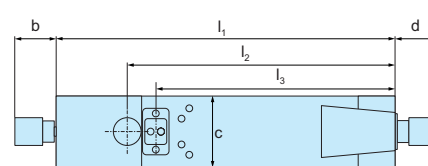
Central motor D249/D349



End motor D539



Central motor D839



**Note:** You will find drilling templates on pages 168, 170 and 172.



**BECKER**

# Beck-O-Mat garage door drives

*for canopy, tilt and sectional doors*

## BOM 650C, 850C

- Smooth-running toothed belt drive
- Automatic force monitoring
- Standby consumption of only 0.5 W
- Centronic-compatible
- EC142-II hand-held transmitter and running rail included
- Menu-driven programming
- Easy assembly and start-up through prefabricated assembly elements



### BOM 650C garage door drive

Item no. 2715 650 000 0	
Colour	Black
Traction Fn	180 N
Traction Fmax	600 N
Running rail	3028 mm
Rated voltage	230 – 240 V AC / 50 Hz
Degree of protection	IP22
Permissible ambient temperature	-20 to +60°C

### BOM 850C garage door drive

Item no. 2715 850 000 0	
Colour	Black
Traction Fn	240 N
Traction Fmax	800 N
Running rail	4028 mm
Rated voltage	230 – 240 V AC / 50 Hz
Degree of protection	IP22
Permissible ambient temperature	-20 to +60°C

### Emergency unlocking mechanism

#### Item no. 2715 210 015 0

- Universal emergency unlocking mechanism for BOM 650C and 850C
- For opening the door from outside

# Roller shutter drives load table

for types *M*, *RP(+)*, *PR+*, *PROF+* and *HK*

The tensile load figures are guidelines for single-piece roller shutter curtains.  
(Tensile load figures in kg)

#### Example:

Shaft dia. 60 mm  
Roller shutter height 2.20 m  
Profile thickness 14 mm  
23 kg curtain weight

Result type: **R12/17**



Shaft diameter (mm)		40		50				60			
Roller shutter height (m)		1.4	2.2	1.4	2.2	1.4	2.2	1.4	2.2	1.4	2.2
Profile thickness (mm)		8	8	8	8	14	14	8	8	14	14
Type	Nm/rpm <sup>-1</sup>										
P5/16	5/16	15	13	13	12	11	9	12	11	10	9
P5/20	5/20	15	13	13	12	11	9	12	11	10	9
P5/30	5/30	15	13	13	12	11	9	12	11	10	9
P9/16	9/16	27	23	25	22	21	18	22	20	20	17
P13/9	13/9	38	33	35	31	30	26	31	29		
R8/17	8/17			22	19	18	15	20	18	17	15
R12/17	12/17			33	29	27	23	30	27	26	23
R20/17	20/17			55	49	44	38	50	45	43	38
R30/17	30/17			83	73	73	62	75	68	64	57
R40/17	37/17			102	91	90	76	93	85	79	70
R50/11	50/11			139	123	122	103	125	114	107	94

Shaft diameter (mm)		70		78		85		108		125	
Roller shutter height (m)		1.4	2.2	1.4	2.2	1.4	2.2	2.2	3	2.2	3
Profile thickness (mm)		14	14	14	14	14	14	19	19	19	19
Type	Nm/rpm <sup>-1</sup>										
R8/17	8/17	16	15	15	14	15	13				
R12/17	12/17	24	22	23	21	22	20				
R20/17	20/17	41	37	39	35	37	34				
R30/17	30/17	61	55	58	53	56	50				
R40/17	37/17	75	68	72	65	69	62				
R50/11	50/11	102	92	97	88	94	84				
L60/11	60/11	122	111	116	106	112	101	83	79	78	72
L80/11	80/11	163	148	156	141	150	135	111	106	104	98
L120/11	120/11	245	222	233	211	225	202	167	159	156	145



# Roller shutter drives function matrix

	Mechanical limit switching							
	M			HK		G	GHK	
	P (Ø 35)	R (Ø 45)	L (Ø 58)	R (Ø 45)	L (Ø 58)	L (Ø 58)	L (Ø 58)	
Type in mm								
Torque in Nm	5–13	8–50	50–120	12–50	50–120	35–120	60+120	
Speed in 1/min	9–20	11–17	11	11–17	11	2.5+3+8	3+8	
Remote control								
Plug-in connecting cable	x	x	x					
VDE/ NF/ KEMA conformity mark	x	x	x	x	x	x	x	
DC						x	x	
Crank				x	x		x	
Suspension springs	x	x	x	x	x	x	x	
Anti-lifting devices								
<b>Setting of limit positions</b>								
On the drive head	x	x	x	x	x	x	x	
With adjusting cable								
With radio transmitter								
Upper stop to lower stop								
Upper stop to lower point								
Upper point to lower stop								
Upper point to lower point	x	x	x	x	x	x	x	
Intelligent installation management								
LSI Limit positions status indicator								
Automatic shading solution length adjustment								
Upper anti-freeze mechanism								
Obstacle detection in downward travel with flexible suspension springs								
Obstacle detection in downward travel with fixed shaft connectors								
Soft obstacle detection with reversing								
Lower anti-freeze mechanism, blockage detection in upward travel								
Lower anti-freeze mechanism, blockage detection in upward travel with reversing								
Fly screen protection function								
Soft upper stop								
Dynamic torque adjustment								
Connectible in parallel without isolating relay						x	x	

	Electronic limit switching			Integrated radio receiver			
	PR+	E01	RP/RP+	PROF+	PROF+	B01	B01
	P (Ø 35)	R (Ø 45)	L (Ø 58)	P (Ø 35)	R (Ø 45)	P (Ø 35)	R (Ø 45)
	5-9	8-40	8-40	5-9	8-40	5-9	8-40
	16-20	17	17	16	17	16	17
				Centronic	Centronic	B-Tronic	B-Tronic
		×		×	×	×	×
	×	×	×	×	×	×	×
	×	×	×	×	×	×	×
	×	×	×/-	×	×	×	×
	×	×					
	×	×	×	×	×	×	×
				×	×	×	×
	×	×	×	×	×	×	×
	×	×	×	×	×	×	×
				×	×	×	×
	×	×	×	×	×	×	×
	×	×	×	×	×	×	×
	×	×	×	×	×	×	×
	×	×	×	×	×	×	×
	×	×	×	×	×	×	×



# Sun protection drives

## load table

for types: M, HK, PS(+) and PSF(+) drives  
with dia. 45 mm (R), with dia. 58 mm (L)

Number of arms	Width (m)	2 m		2.5 m		3 m		3.5 m	
		Ø R	Ø L	Ø R	Ø L	Ø R	Ø L	Ø R	Ø L
2	3	30	44	30	44	30		40	
2	4.5	30	44	30	44	40		40	
2	6	30	44	40	44	40		40	
3	4.5	40	44	40	44	50	44	50	60
3	6	40	44	40	44	50	44	50	60
3	7.5	40	44	40	44	50	44	50	60
4	6	50	60	50	60		60		80
4	7.5	50	60	50	60		60		80
4	9	50	60	50	60		60		80

## Function matrix

	Mechanical limit switching				
	M			HK	
	P (Ø35)	R (Ø45)	L (Ø58)	R (Ø45)	L (Ø58)
Type (tube diameter) in mm					
Torque in Nm	5–13	8–50	44–120	12–50	50–120
Speed in 1/min	9–30	11–17	11–17	11–17	11–17
Plug-in connecting cable	×	×	×		
VDE/NF/KEMA conformity mark	×	×	×	×	×
Setting of limit positions					
On the drive head	×	×	×	×	×
With adjusting cable					
With radio transmitter					
Extended point to retracted point	×	×	×	×	×
Extended point to retracted stop					
Retracted stop to freely programmable locking					
AutoInstall					
Intelligent installation management					
Automatic fabric stretching (conservatory awning)					
Fabric untensioning					
Automatic shading solution length adjustment					
Blockage detection during retraction					
Higher closing force for cassette awnings					
Soft upper stop					
Supports parallel connection without isolating relay					





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

Drive torque (Nm) depends on the drop length (m)

Assumption: 78 mm shaft Ø  
20° drop angle

Becker does not accept any responsibility for the accuracy of information. Due to the wide range of different brands/models and the corresponding variety in 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+.

	Electronic limit switching								Integrated radio receiver				
	PS/PS+			SE B0		SE+ K5 mute	SE i1		PSF	PSF/PSF+		SEF i1	
	P (Ø35)	R (Ø45)	L (Ø58)	R (Ø45)	L (Ø58)	R (Ø45)	R (Ø45)	L (Ø58)	P (Ø35)	R (Ø45)	L (Ø58)	R (Ø45)	L (Ø58)
	5-9	8-50	50-120	20-50	50-120	30-50	8-40	50-120	5-9	8-50	44-120	8-40	50-120
	16-30	11-17	11-17	11-17	11-17	11-17	17	11-17	16-30	11-17	11-17	17	11-17
		x	x	x	x	x	x	x		x	x	x	x
	x	x	x	x	x	x/-/-	x	x	x	x	x	x	x
	x	x	x										
	x	x	x	x	x	x	x	x					
									x	x	x	x	x
	x	x	x						x	x	x		
				x	x		x	x				x	x
						x							
	x	x	x	x	x	x	x	x	x	x	x	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x
		-/x	-/x			x				-/x	-/x		
	x	x/-	x/-	x	x		x	x	x	x/-	x/-	x	x
	x	x	x	x	x	x	x	x	x	x	x	x	x



# Overview

## Control units

<b>Centronic wired control units</b>	<b>52</b>
Switch/button	52
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**BECKER**

# Centronic wired control units

## Switch/button

### EasyControl EC41

Switch / button



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

#### Item no. 4030 000 003 0

Colour	Alpine white
Rated voltage	230 V AC / 50 Hz
Switching current	6 A / 230 V AC at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	Surface mounted

### EasyControl EC42

Switch / button



- 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 in 58 mm diameter

#### Item no. 4030 000 002 0

Colour	Alpine white
Rated voltage	230 V AC / 50 Hz
Switching current	6 A / 230 V AC at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

### EasyControl EC52

Switch / button



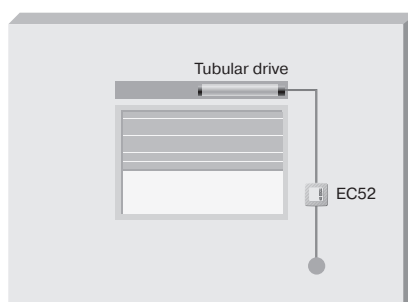
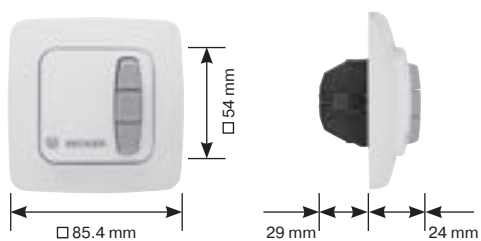
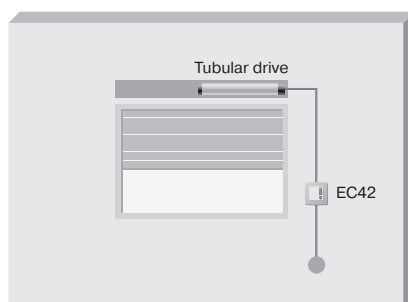
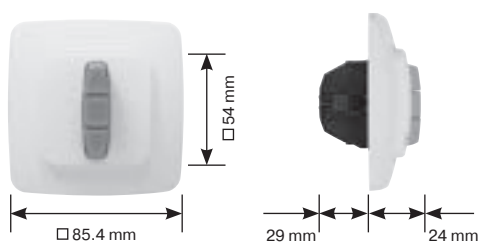
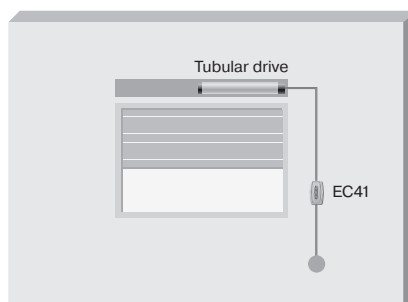
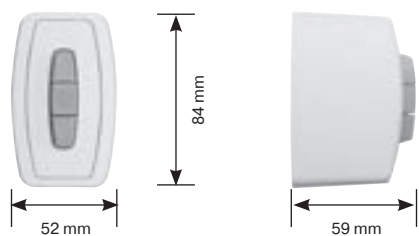
- Can be used as latched or push-button switch
- One function for each button (UP, STOP, DOWN)
- Adapter frame enables integration in various flush mounted switch ranges (58 mm diameter)

#### Item no. 4030 000 001 0

Colour	Alpine white
Rated voltage	230 V AC / 50 Hz
Switching current	6 A / 230 V AC at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

## Dimensions

## Functional principle – typical wiring diagrams



# Centronic wired control units

## Single and group control units

### UnitControl UC42

Single and group control unit



- 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
- Potential-free connection is possible

#### Item no. 4031 000 003 0

Rated voltage	230 V AC / 50 Hz
Switching current	5 A / 230 V AC at $\cos \varphi = 1$
Degree of protection	IP30
Class of protection	II
Permissible ambient temperature	-40 to +70°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

UC45

Single and group control unit for switch cabinet mounting

#### Item no. 4031 000 004 0 (UC45)

### UnitControl UC52

Single and group control unit

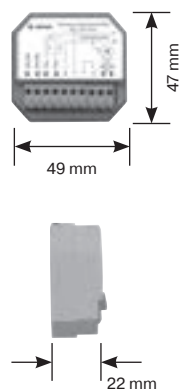


- Slide switch for easy changing between manual and automatic mode
- An additional operator control can be connected
- Enables the programming of 2 freely selectable intermediate positions
- Blind mode: Exact adjustment of blind laths in touch mode

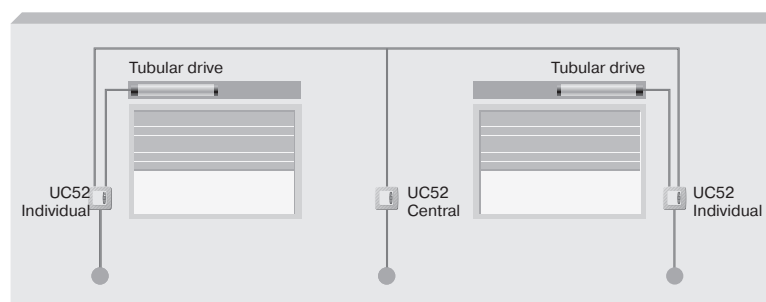
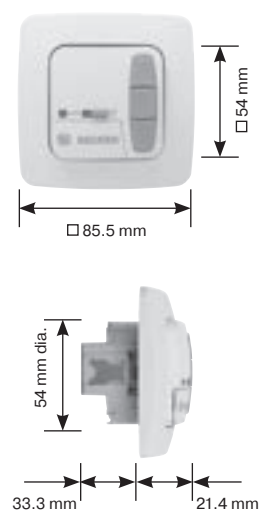
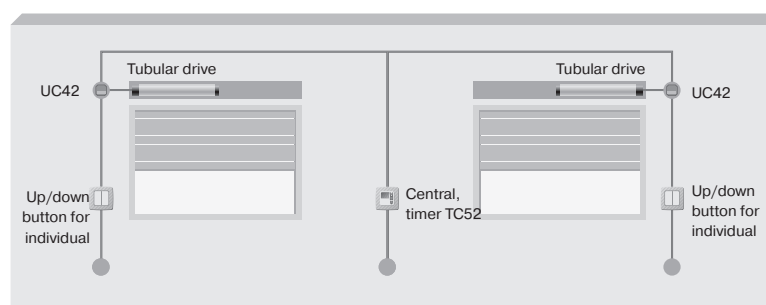
#### Item no. 4031 000 001 0

Colour	Alpine white
Rated voltage	230 V AC / 50 – 60 Hz
Switching current	5 A / 230 V AC at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

## Dimensions



## Functional principle – typical wiring diagrams



# Centronic wired control units

## Memory button

### MemoControl MC42

Memory button



- Easy programming of 2 switching times (daily repetition)
- Slide switch for easy changing between manual and automatic mode
- Enables the programming of 2 freely selectable intermediate positions
- Blind mode: Exact adjustment of blind laths in touch mode

#### Item no. 4032 000 001 0

Colour	Alpine white
Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	5 A / 230 V AC at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

## Timers

### TimeControl TC42

Timer



- Preprogrammed date, time and switching time function
- Block switching function (Mo – Fr, Sa – So)
- Slide switch for easy changing between manual and automatic mode
- Astronomical function for the evening saves readjusting the switching time
- Holiday function and automatic summer/winter time adjustment
- Enables the programming of 2 freely selectable intermediate positions
- Blind mode: Exact adjustment of blind laths in touch mode

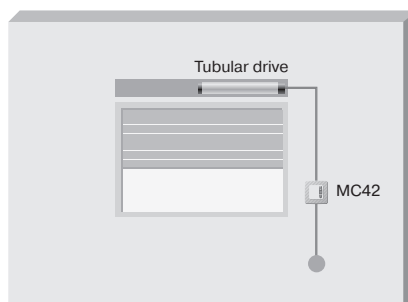
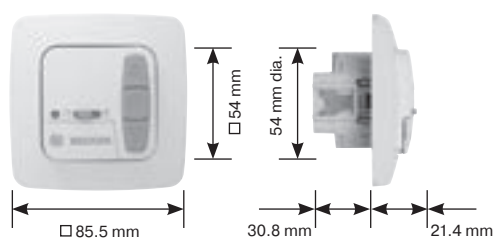
#### Item no. 4032 000 002 0

Colour	Alpine white
Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	5 A / 230 V AC at $\cos \varphi = 1$
Battery type	CR 2032
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting



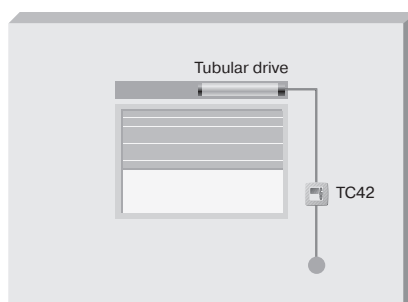
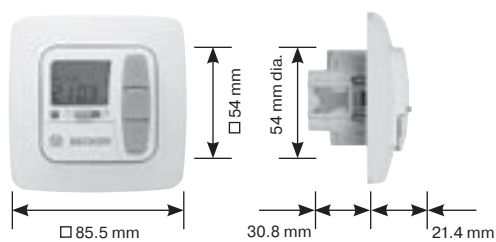
## Dimensions

## Functional principle – typical wiring diagrams



## Dimensions

## Functional principle – typical wiring diagrams



# Centronic wired control units

## Timers

### TimeControl TC52

Timer for light sensor



Functions as the TC42, but also includes:

- Two different week, block and day switching programs can be set
- Astronomical function for morning and evening saves readjusting the switching time
- Light sensor SC43 can be connected

Item no. 4032 000 003 0	
Colour	Alpine white
Rated voltage	230–240 V AC/50–60 Hz
Switching current	5 A / 230 V AC at $\cos \varphi = 1$
Battery type	CR 2032
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

SC43 light sensor

- Cable can be shortened

Item no. 4032 000 004 0 (2 m cable)
Item no. 4032 000 005 0 (5 m cable)

## Wind and sun protection control unit

### SunWindControl SWC62

Sun/wind control unit

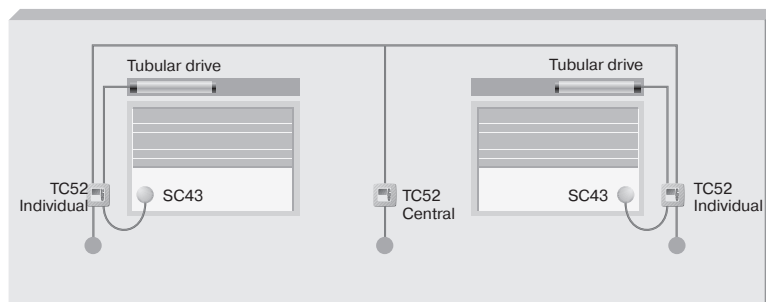
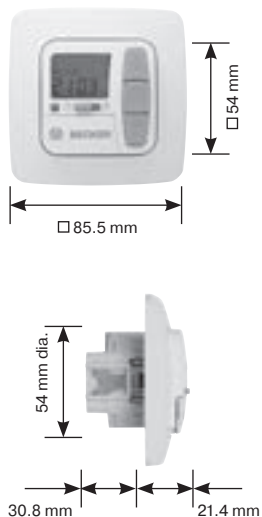


- Intermediate positions can be programmed using Up/Stop/Down buttons
- Daily, block and weekly program
- Separate rain/temperature input, can be used as central input
- Date, time and threshold values preset
- Slide switch for easy changing between manual and automatic mode
- Automatic shade time individually adjustable
- Automatic summer/winter time adjustment
- Enables the programming of 2 freely selectable intermediate positions
- Single, group or central control unit
- Wind, light, rain and temperature sensors can be connected

Item no. 4033 000 041 0	
Colour	Alpine white
Rated voltage	230 V AC / 50 Hz
Switching current	5 A / 230 V AC at $\cos \varphi = 1$
Battery type	CR 2032
Degree of protection	IP20
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting

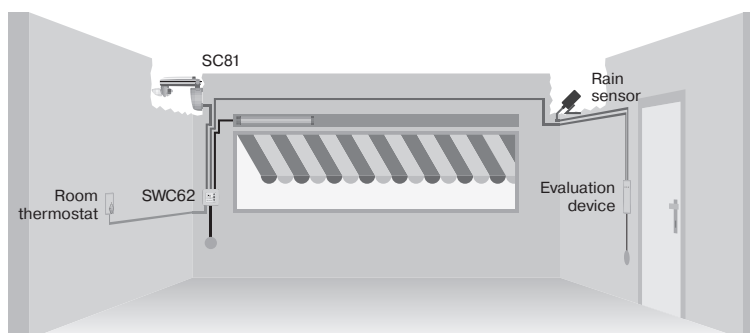
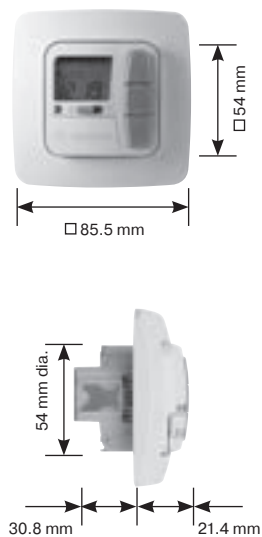
Dimensions

Functional principle – typical wiring diagrams



Dimensions

Functional principle – typical wiring diagrams



# Centronic wired control units

## Sensors

### SensorControl SC71

Wind sensor



- For sun/wind control unit SWC62
- Convenient setting of wind threshold values on SWC62
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection

Item no. 4033 000 018 0

Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C

### SensorControl SC81

Sun/wind sensor



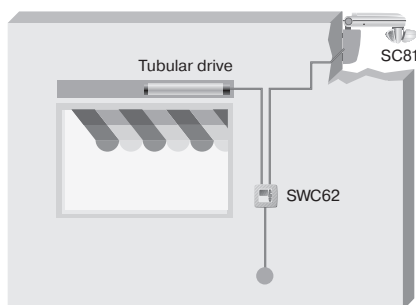
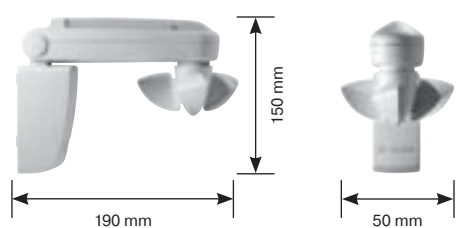
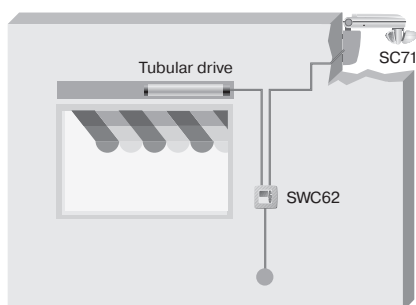
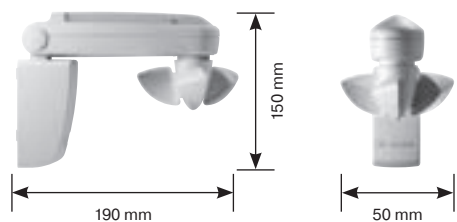
- For sun/wind control unit SWC62
- Convenient setting of sun and wind threshold values on SWC62
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection

Item no. 4033 000 019 0

Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C

## Dimensions

## Functional principle – typical wiring diagrams



# Centronic wired control units

## Wind and sun protection sets

### WindSet WS11

Wind sensor with automatic wind protection



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

Item no. 4020 000 042 0

	WA10	SC71
Colour	Light grey	Light grey
Rated voltage	230 V AC / 50 Hz	–
Switching current	5A / 230 – 240 V at $\cos \varphi = 1$	–
Degree of protection	IP44	IP44
Permissible ambient temperature	-25 to +55°C	-25 to +55°C
Type of mounting	Surface mounted	–

### SunWindSet SWS52

Sun/wind control unit with sensor



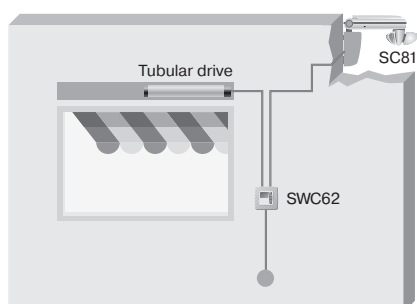
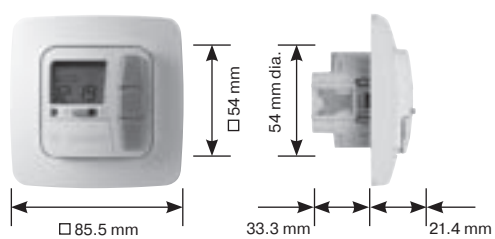
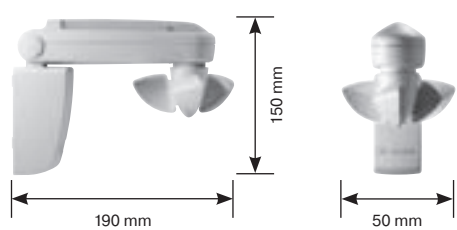
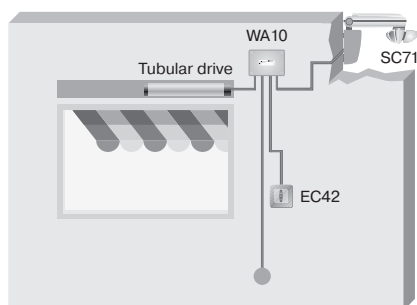
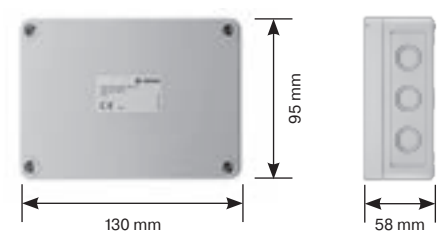
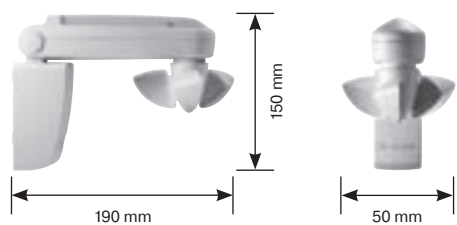
- Sun and wind sensor for sun/wind control unit SWC62
- Convenient setting of sun and wind threshold values on SWC62
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection

Item no. 4033 000 042 0

	SWC62	SC81
Colour	White	Light grey
Rated voltage	230 V AC / 50 Hz	–
Switching current	5A / 230 – 240 V at $\cos \varphi = 1$	–
Battery type	CR2032	–
Degree of protection	IP20	IP44
Class of protection	II	–
Permissible ambient temperature	0 to +55°C	-25 to +55°C
Type of mounting	flush mounted 58 mm diameter	–

## Dimensions

## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### EasyControl EC311

1-channel wall transmitter



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

#### Item no. 4034 000 017 0

Colour	Alpine white
Rated voltage	3 V DC
Battery type	CR 2032
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted

### EasyControl EC315

5-channel wall transmitter



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

#### Item no. 4034 000 035 0

Colour	Alpine white
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted

### EasyControl EC411

1-channel wall transmitter



- Enables the programming of 2 freely selectable intermediate positions
- Simple wall mounting
- Can also be used as hand-held device
- Can be integrated into switching ranges with 55x55 mm central board
- Single or central control unit

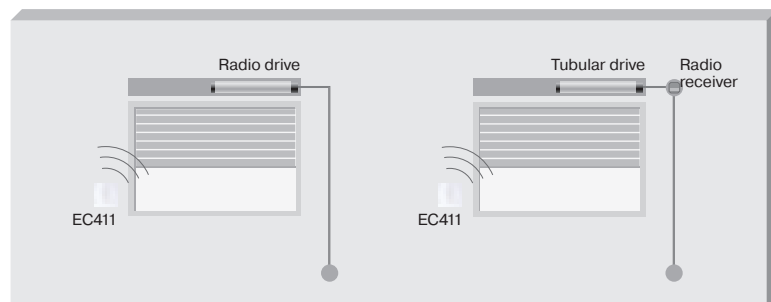
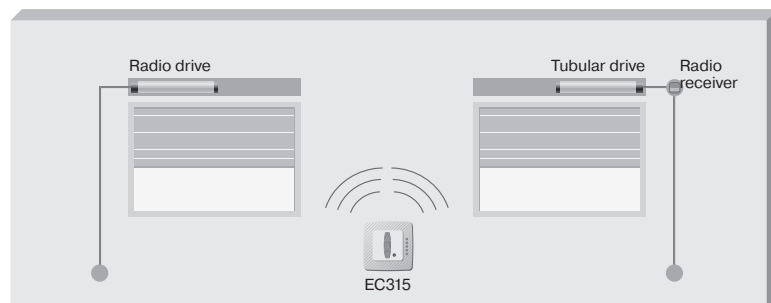
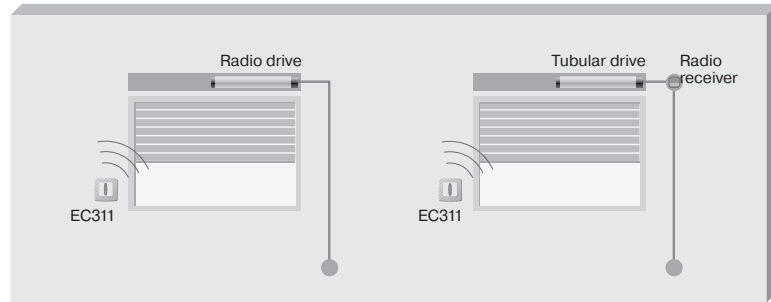
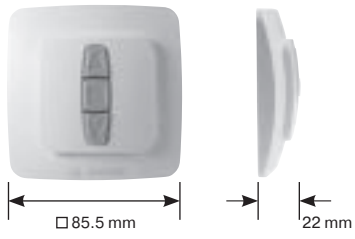
#### Item no. 4034 000 040 0

Colour	White
Rated voltage	3 V DC
Battery type	CR2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted



## Dimensions

## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### MemoControl MC415

5-channel wall transmitter with memory function



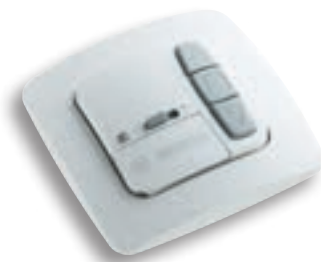
- Enables the programming of 2 freely selectable intermediate positions
- Simple wall mounting
- Can also be used as hand-held device
- Can be integrated into switching ranges with 55x55 mm central board
- Single or central control unit
- 5 channels with LED display
- Easy programming of 2 switching times (daily repetition) per channel
- Switching times not lost when battery changed
- Changeover switch for easy changing between manual and automatic mode

#### Item no. 4034 000 041 0

Colour	White
Rated voltage	3 V DC
Battery type	CR2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55 °C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted

### MemoControl MC511

Wall transmitter with memory function



- Easy programming of 2 switching times (daily repetition)
- Switching times not lost when battery changed
- Slide switch for easy changing between manual and automatic mode
- Enables the programming of 2 freely selectable intermediate positions
- Single or central control unit

#### Item no. 4034 000 029 0

Colour	Alpine white
Rated voltage	3 V DC
Battery type	CR 2032
Degree of protection	IP20
Permissible ambient temperature	-10 to +55 °C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted

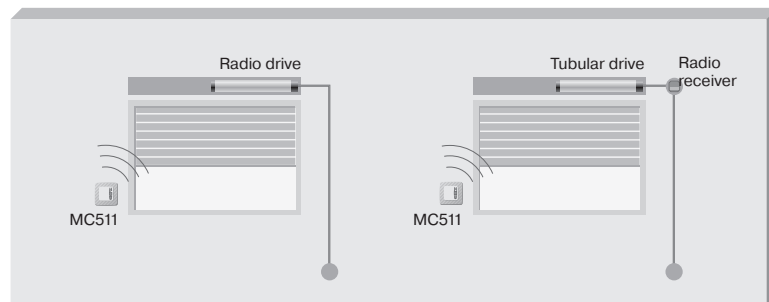
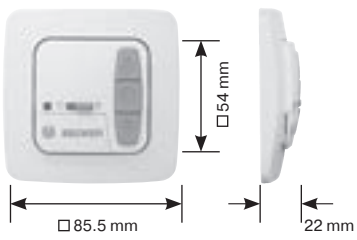
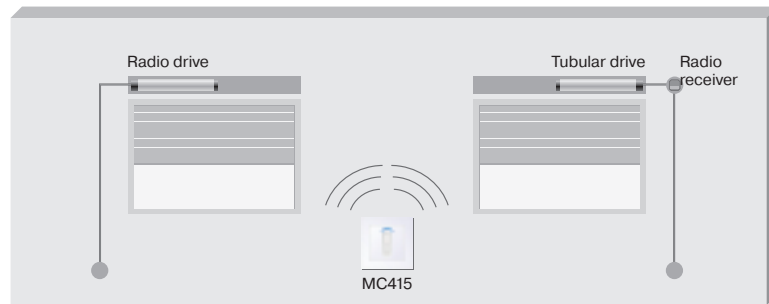
Mounting spring for MC511

- Adapter plate for multi-gang frames

#### Item no. 4034 200 077 0

## Dimensions

## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### TimeControl TC511

Wall transmitter with timer



- Weekly, block and daily switching program
- Astronomical function for morning and evening saves readjusting the switching times
- Holiday function and automatic summer/winter time adjustment
- Enables the programming of 2 freely selectable intermediate positions
- Light sensor SC43 can be connected
- Single or central control unit
- Preprogrammed date, time and switching time function

#### Item no. 4034 000 005 0

Colour	Alpine white
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted

SC43 light sensor

- Cable can be shortened

#### Item no. 4032 000 004 0 (2 m cable)

#### Item no. 4032 000 005 0 (5 m cable)

### EasyControl EC142-II

2-channel hand-held transmitter



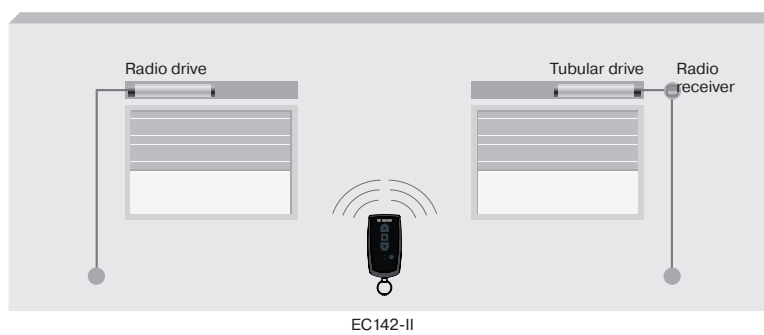
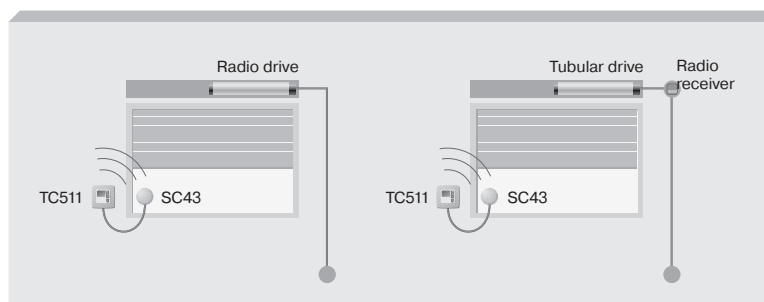
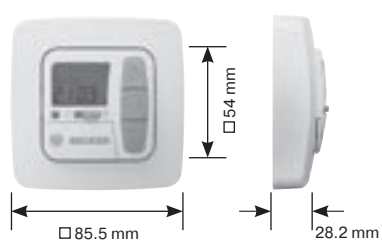
- 2 channels with LED display
- Enables the programming of 2 freely selectable intermediate positions
- Single, group or central control unit
- Metal ring for attachment to key ring

#### Item no. 4034 000 210 1

Colour	Black
Rated voltage	3 V DC
Battery type	CR 2032
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

## Dimensions

## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### EasyControl EC242-II

2-channel hand-held transmitter



- Hand-held transmitter to control Beck-O-Tronic 5 and VC280
- 2 channels with LED display
- Metal ring for attachment to key ring

#### Item no. 4034 000 220 1

Colour	Black
Rated voltage	3 V DC
Battery type	CR 2032
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

### EasyControl EC541-II

1-channel hand-held transmitter



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

#### Item no. 4034 000 201 0 (white)

#### Item no. 4034 000 201 1 (black)

#### Item no. 4034 000 201 3 (red)

#### Item no. 4034 000 201 2 (blue)

Colour	White / black / red / blue
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

### EasyControl EC545-II

5-channel hand-held transmitter



- 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

#### Item no. 4034 000 202 0 (white)

#### Item no. 4034 000 202 1 (black)

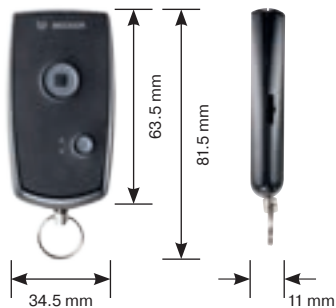
#### Item no. 4034 000 202 3 (red)

#### Item no. 4034 000 202 2 (blue)

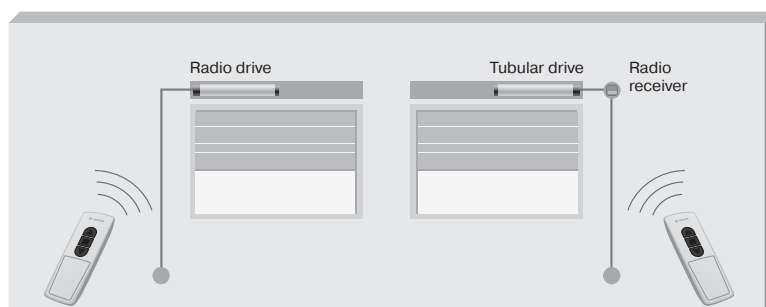
Colour	White / black / red / blue
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

Dimensions

Functional principle – typical wiring diagrams



EC242-II



EC541-II

EC541-II



EC545-II



# Centronic radio control units

## Radio transmitters

### EasyControl EC5410-II

10-channel hand-held transmitter



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

Item no. 4034 000 203 0 (white)

Item no. 4034 000 203 1 (black)

Colour	White / black
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

### MemoControl MC441-II

Hand-held transmitter with memory function



- Easy programming of 2 switching times (daily repetition)
- Switching times not lost when battery changed
- 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

Item no. 4034 000 204 0 (white)

Item no. 4034 000 204 1 (black)

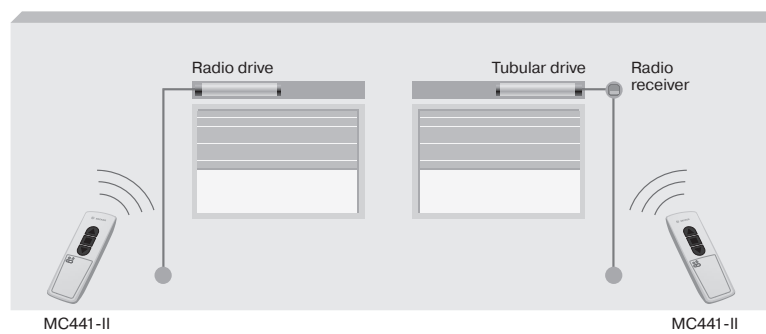
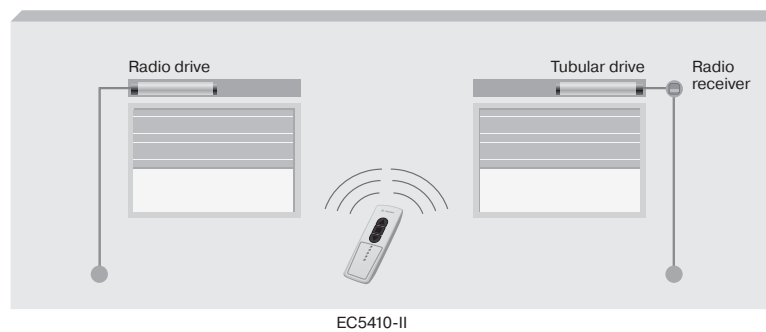
Colour	White / black
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz



## Dimensions



## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### TimeControl TC445-II

5-channel hand-held transmitter with timer



- Preprogrammed date, time and switching time function
- Block switching function (Mo–Fr, Sa–So)
- Slide switch for easy changing between manual and automatic mode
- Astronomical function for the evening saves readjusting the switching time
- Holiday function and automatic summer/winter time adjustment
- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single, group or central control unit

#### Item no. 4034 000 206 0 (white)

#### Item no. 4034 000 206 1 (black)

Colour	White / black
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

### TimeControl TC4410-II

10-channel hand-held transmitter with channel-specific timers



Functions as the TC445-II, but also includes:

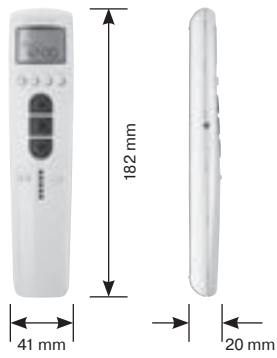
- 10 individually programmable channels for 10 separate receivers or 10 receiver groups
- Slide switch allows automatic mode to be activated/deactivated easily for individual channels or all channels simultaneously

#### Item no. 4034 000 207 0 (white)

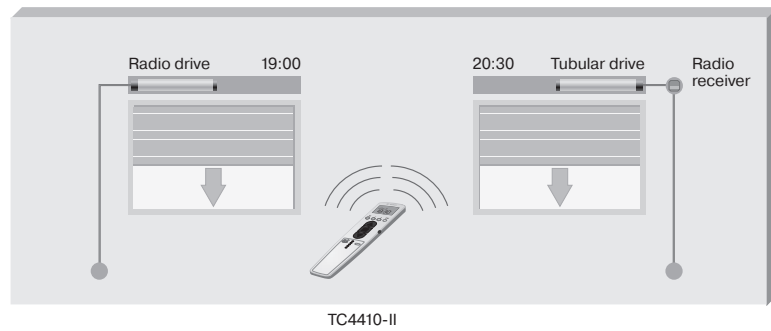
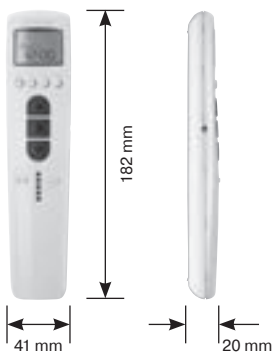
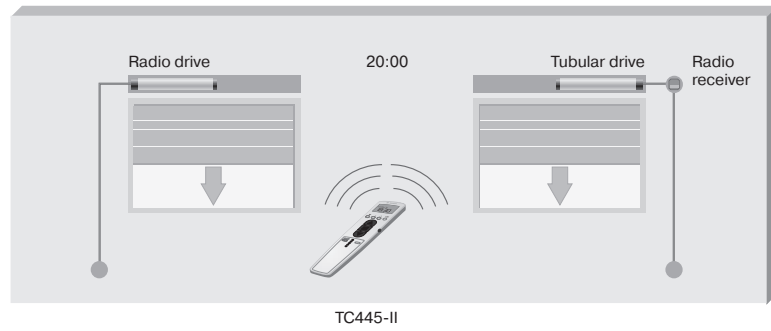
#### Item no. 4034 000 207 1 (black)

Colour	White / black
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

## Dimensions



## Functional principle – typical wiring diagrams

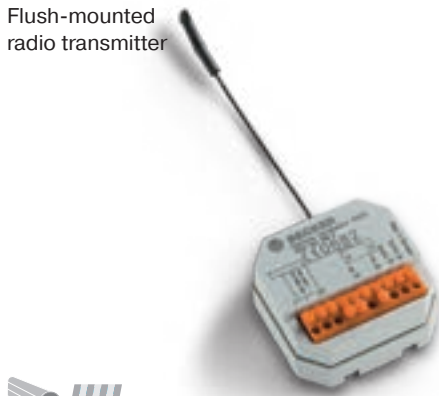


# Centronic radio control units

## Radio transmitters

### VarioControl VC421

Flush-mounted  
radio transmitter



- 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

#### Item no. 4034 000 009 0

Rated voltage	230 – 240 V AC / 50 – 60 Hz
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted in switch box in 58 mm diameter
Radio frequency	868.3 MHz

### SensorControl SC431-II

Radio light sensor



- Shade and twilight function
- Integrated glass breakage sensor
- Combined UP/STOP/DOWN travel button
- All operator controls can be accessed without opening the housing
- Easy mounting on the window pane

#### Item no. 4034 000 205 0

Colour	Alpine white
Battery type	CR 2032
Degree of protection	IP20
Permissible ambient temperature	0 to +55°C
Radio frequency	868.3 MHz

### SunWindControl SWC241-II

1-channel hand-held transmitter  
with wind threshold value setting



- 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

#### Item no. 4033 000 201 0 (white)

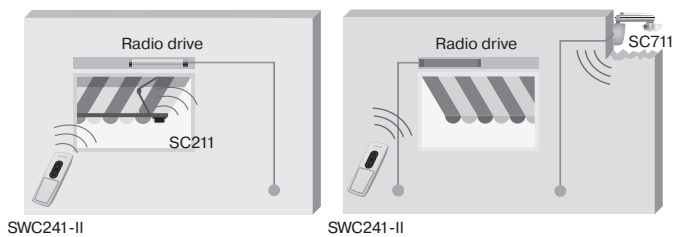
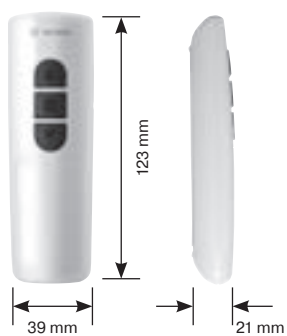
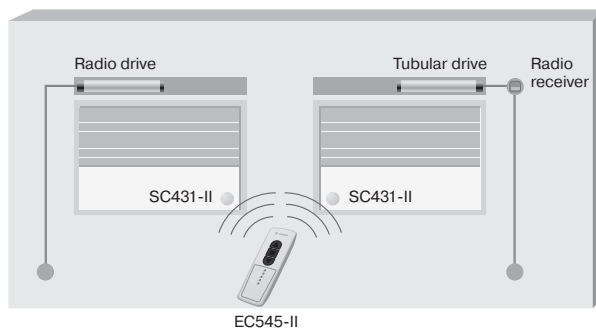
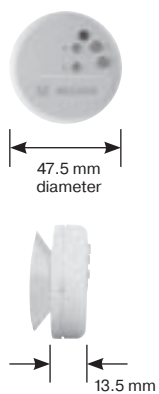
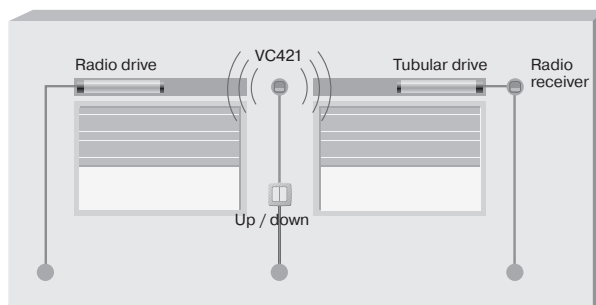
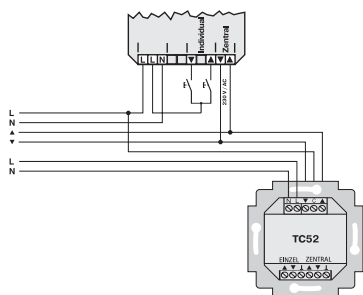
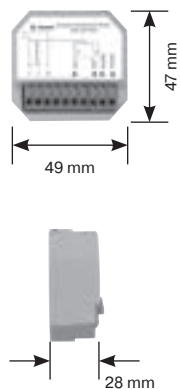
#### Item no. 4033 000 201 1 (black)

Colour	White / black
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

Dimensions

Connecting diagram

Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### SunWindControl SWC411

Wall transmitter with threshold value setting



- 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

Item no. 4033 000 009 0	
Colour	Alpine white
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz
Type of mounting	Surface mounted

### SunWindControl SWC441-II

Hand-held transmitter with sun/wind threshold value setting



- 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

Item no. 4033 000 202 0 (white)	
Item no. 4033 000 202 1 (black)	
Colour	White / black
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

### SunWindControl SWC442-II

2-channel hand-held transmitter for sun, wind and light control



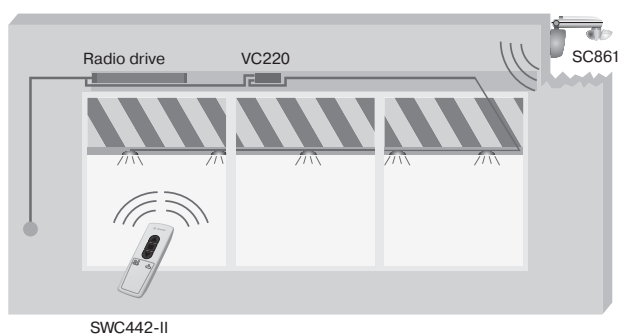
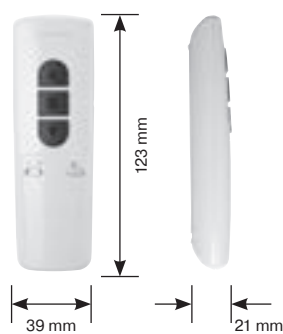
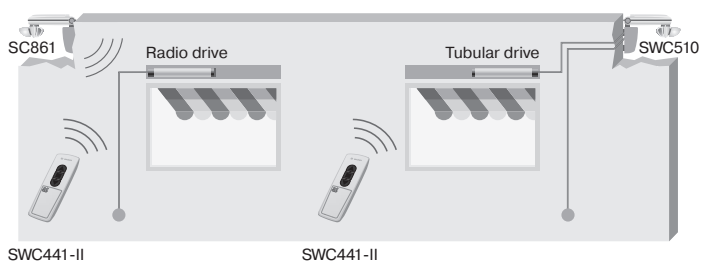
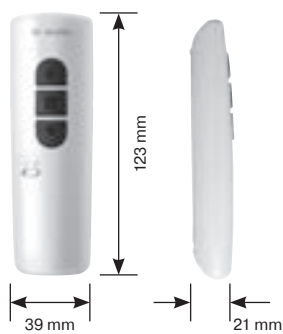
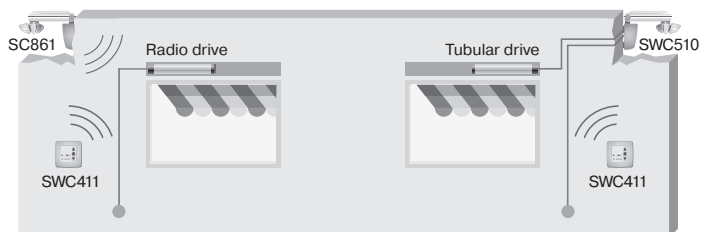
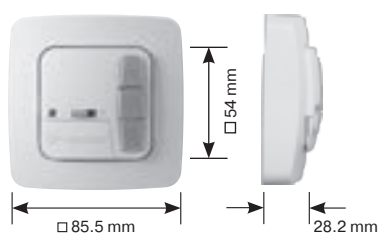
Functions as the SWC441-II, but also includes:

- Light button (2nd channel) for ON/OFF switching and dimming (with VC220 radio dimmer) of lights and lighting systems

Item no. 4033 000 203 0 (white)	
Item no. 4033 000 203 1 (black)	
Colour	White / black
Rated voltage	3 V DC
Battery type	CR 2430
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

## Dimensions

## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio transmitters

### SunWindControl SWC745-II

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



- Date, time and threshold values preset
- Slide switch for easy changing between manual and automatic mode
- Automatic shade time, and threshold values can be adjusted separately for each channel
- 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

Item no. 4033 000 211 0 (white)	
Item no. 4033 000 211 1 (black)	
Colour	White / black
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

## Radio receiver

### UnitControl UC520

Single control unit with radio receiver



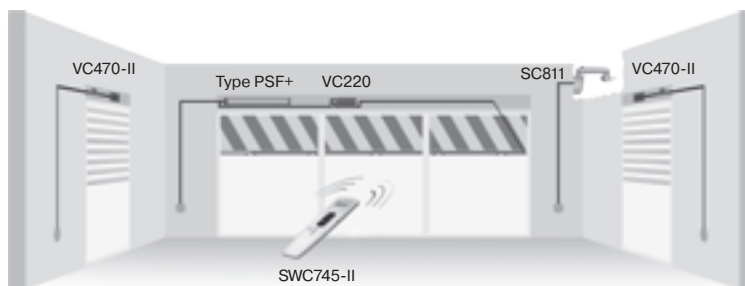
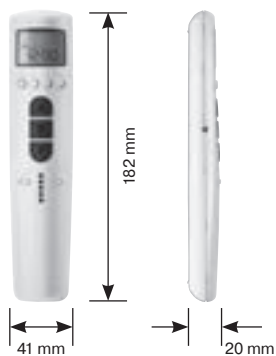
- Convenient setting of sun and wind threshold values at the transmitter
- Slide switch for easy changing between manual and automatic mode
- Enables the programming of 2 freely selectable intermediate positions
- Wall bracket with rear labelling panel
- Single or central control unit

Item no. 4031 000 002 0	
Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	5 A / 230 V at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted 58 mm diameter, wall mounting
Radio frequency	868.3 MHz



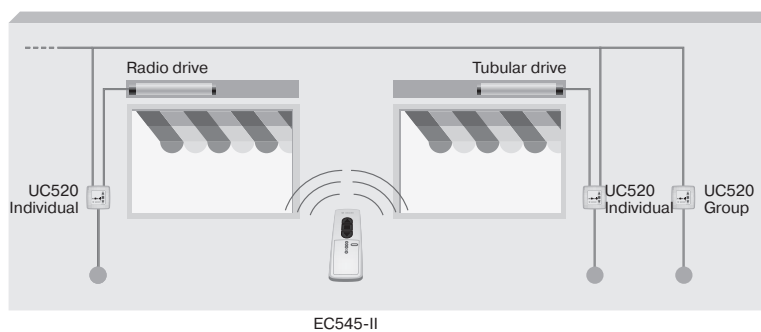
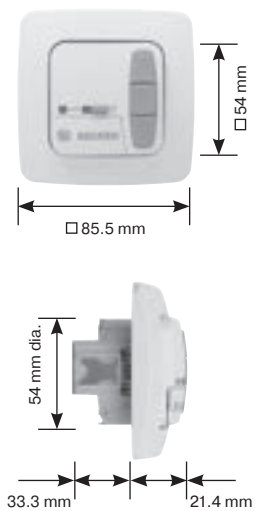
Dimensions

Functional principle – typical wiring diagrams



Dimensions

Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio receivers

### VarioControl VC120

External flush-mounted  
radio receiver



- Compact design ideal for mounting in the shutter box
- Programming and setting up of groups possible without having to access the receiver
- Programmable memory-switching time
- Can be combined with the SC431-II light sensor
- Enables the programming of 2 freely selectable intermediate positions
- Can be programmed to recognise up to 16 Centronic transmitters

#### Item no. 4034 000 038 0

Colour	Light grey
Rated voltage	230 – 240 V AC / 50 Hz
Switching capacity	max. 3 A
Degree of protection	IP43
Class of protection	II
Permissible ambient temperature	-20 to +55°C
Radio frequency	868.3 MHz

### VarioControl VC180

Radio socket



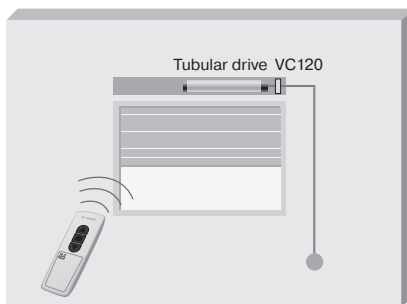
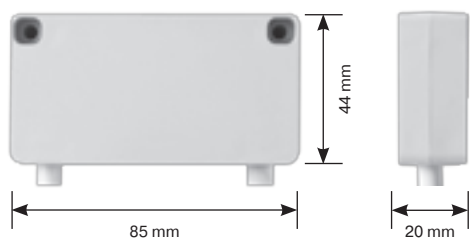
- Enables ON/OFF switching of a range of 230 V plug-in devices
- Enables reduction of standby current consumption
- Timed ON/OFF switching of powered devices
- Enables switching between scenes
- Can be programmed to recognise up to 14 Centronic transmitters

#### Item no. 4034 000 031 0

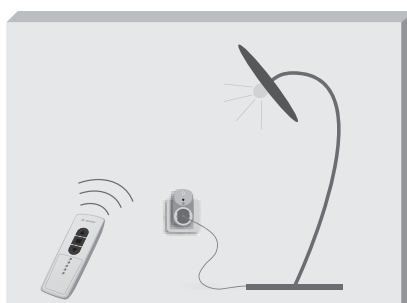
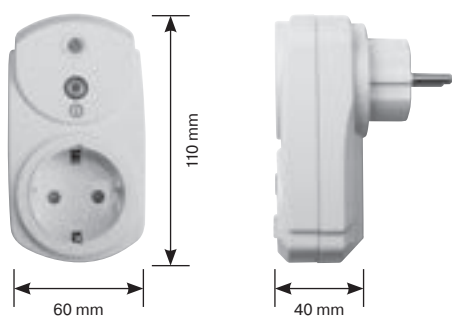
Colour	Alpine white
Rated voltage	230 – 240 V AC / 50 Hz
Switching capacity	max. 2300 W or 10 A
Degree of protection	IP20
Permissible ambient temperature	0 to +55°C
Radio frequency	868.3 MHz
Consumption in standby	< 1 W

## Dimensions

## Functional principle – typical wiring diagrams



MC441-II



EC545-II

# Centronic radio control units

## Radio receivers

### VarioControl VC220

Radio dimmer for lighting equipment



- 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

#### Item no. 4034 000 016 0

Rated voltage	230 – 240 V AC / 50 Hz
Switching capacity	400 W $\cos \varphi = 1$
Degree of protection	IP44
Class of protection	II (when properly installed)
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz
Type of mounting	In the sun protection system

### VarioControl VC220h

Radio switch for heaters



- Switching heaters up to 3000 W
- Time-controlled switch-off of the heating function in two stages at 60/120 min.
- Can be programmed to recognise up to 16 Centronic transmitters

#### Item no. 4034 000 039 0

Rated voltage	230 – 240 V AC / 50 Hz
Switching capacity	3000 W $\cos \varphi = 1$
Degree of protection	IP44
Class of protection	II (when properly installed)
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz
Power line	0.5 m
Device cable	1.0 m

### VarioControl VC280

Radio socket with pulse output



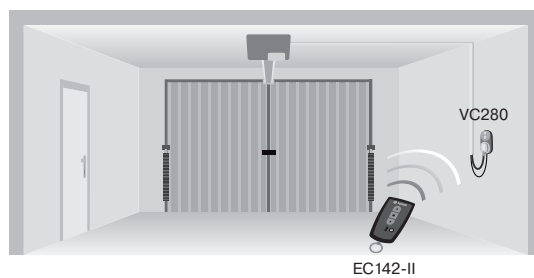
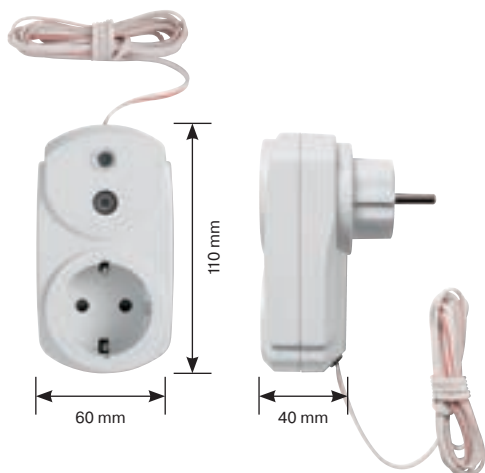
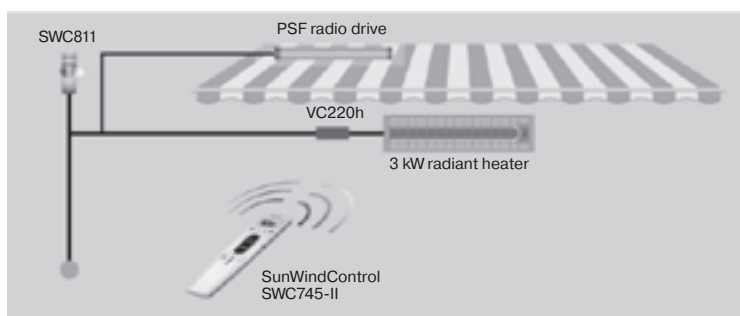
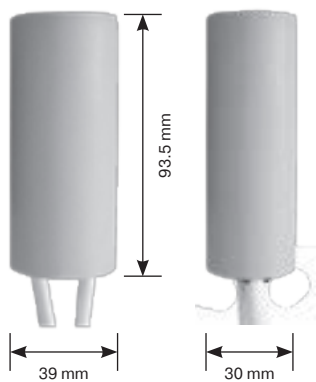
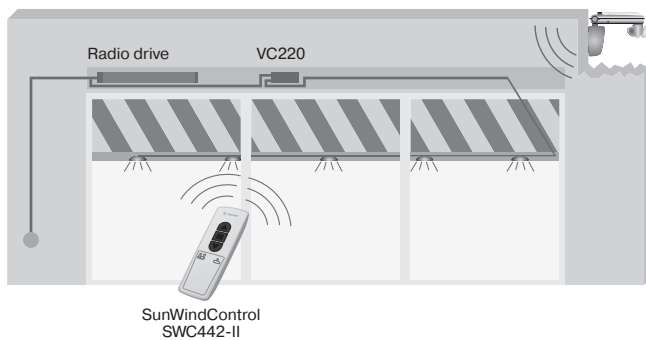
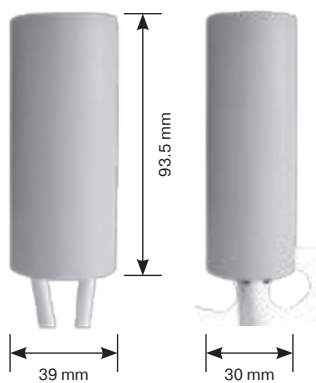
- Operation of any 230 V door drives with pulse input
- Control button on the device
- Can be programmed to recognise up to 13 Centronic transmitters

#### Item no. 4034 000 037 0

Colour	Alpine white
Rated voltage	230 – 240 V AC / 50 Hz
Powered unit connection	$I_{max}$ 10 A / 230 – 240 V $\cos \varphi = 1$
Floating pulse output	$U_{max}$ 42 V; $I_{max}$ 1 A DC
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Radio frequency	868.3 MHz
Consumption in standby	1.8 m

Dimensions

Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio receivers

### VarioControl VC320

Flush-mounted radio receiver



- Compact design ideal for mounting in the shutter box
- Programming and setting up of groups possible without having to access the receiver
- Programmable memory-switching time
- Can be combined with the SC431-II light sensor
- Enables the programming of 2 freely selectable intermediate positions
- Can be programmed to recognise up to 16 Centronic transmitters

#### Item no. 4034 000 012 0

Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	5 A / 230 V at $\cos \varphi = 1$
Degree of protection	IP42
Class of protection	II
Permissible ambient temperature	-25 to +55°C
Type of mounting	In shutter box
Radio frequency	868.3 MHz

### VarioControl VC420-II

Flush-mounted radio receiver



- Any kind of button can be connected
- Can be used as a lighting control unit
- Blind mode: Exact adjustment of blind laths in touch mode
- Enables the programming of 2 freely selectable intermediate positions
- Can be programmed to recognise up to 16 transmitters
- Compatible with the SC211 awning movement sensor

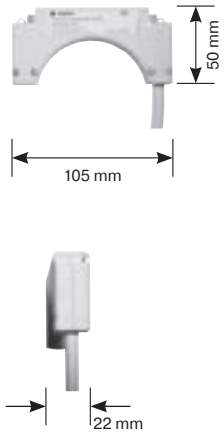
#### Item no. 4034 000 209 0

Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	3A / 230 V at $\cos \varphi = 1$
Degree of protection	IP20
Permissible ambient temperature	-25 to +55°C
Type of mounting	flush mounted in switch box in 58 mm diameter
Radio frequency	868.3 MHz

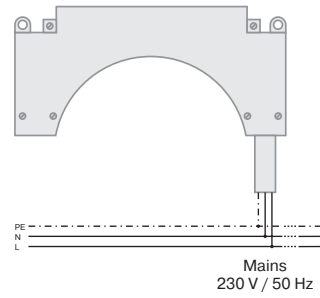
VarioControl VC410-II  
Surface-mounted radio receiver

#### Item no. 4034 000 213 0

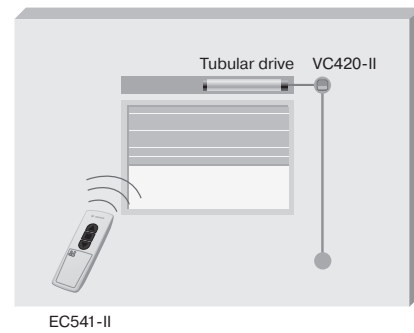
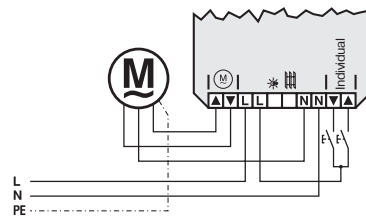
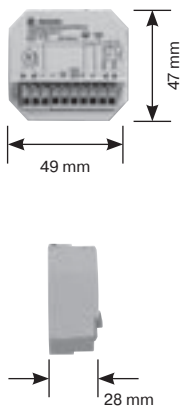
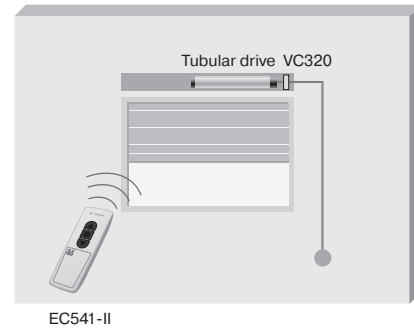
## Dimensions



## Connecting diagram



## Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio receivers

### VarioControl VC470-II

Plug-in radio receiver



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

#### Item no. 4034 000 212 0

Rated voltage	230 V AC / 50 Hz
Switching current	5 A / 230 – 240 V at $\cos \varphi = 1$
Degree of protection	IP54
Class of protection	II (when properly installed)
Permissible ambient temperature	-25 to +55°C
Type of mounting	In or on head rail
Radio frequency	868.3 MHz

Surface-mounted housing for VC470-II

#### Item no. 4034 200 061 0

### VarioControl VC520

Floating radio receiver



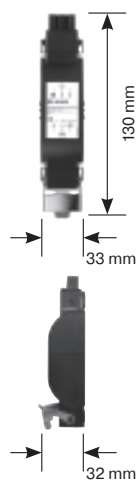
- Potential free switching contact
- Central inputs for compatible Centronic control units
- Blind mode: Exact adjustment of blind laths in touch mode
- Enables the programming of 2 freely selectable intermediate positions
- Can be programmed to recognise up to 16 Centronic transmitters

#### Item no. 4034 000 011 0

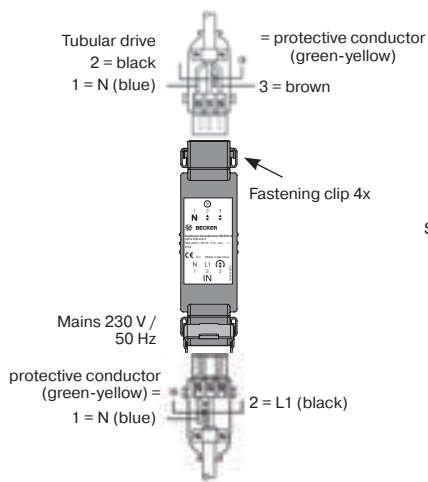
Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	3 A / 230 V at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	flush mounted in switch box in 58 mm diameter
Radio frequency	868.3 MHz



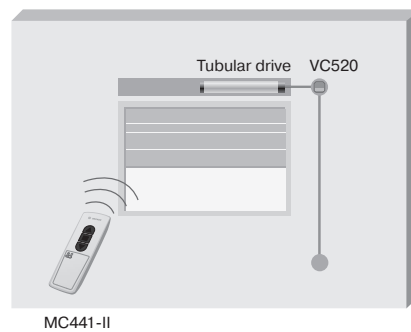
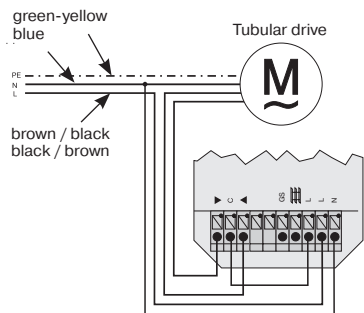
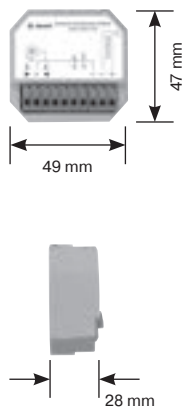
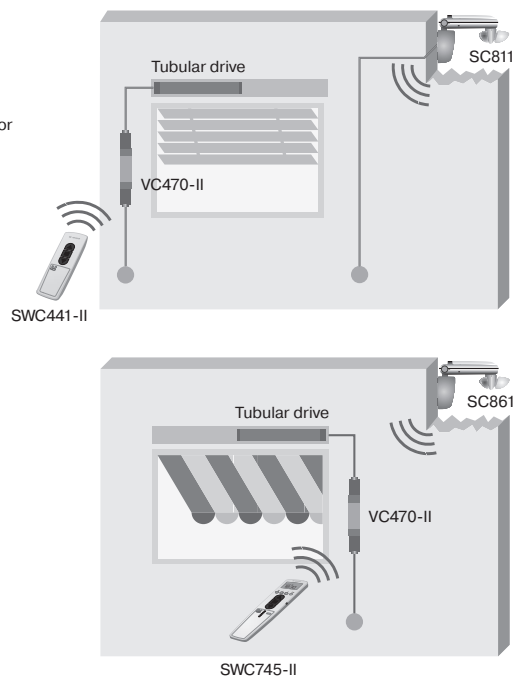
Dimensions



Connecting diagram



Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio sensors

### SensorControl SC211-II

Awning radio movement sensor



- 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 overloads, such as those caused by water collection
- Convenient setting of wind threshold values at the transmitter (e.g. SWC241-II)
- Can be combined with Solar sun sensor SC561

#### Item no. 4033 000 210 0

Colour	White
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C
Type of mounting	Directly on the front section
Radio frequency	868.3 MHz

### SunWindControl SWC510

Sun-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

#### Item no. 4033 000 022 0

Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz

### SensorControl SC561

Solar radio sun sensor



- 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

#### Item no. 4033 000 029 0

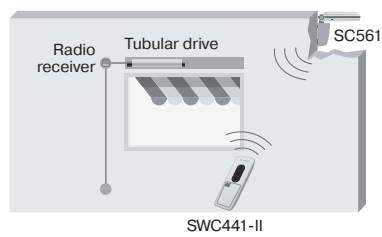
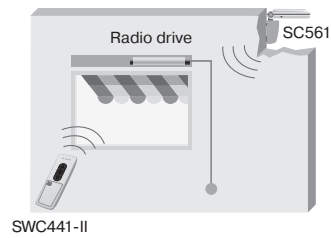
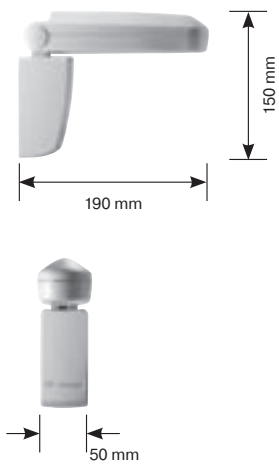
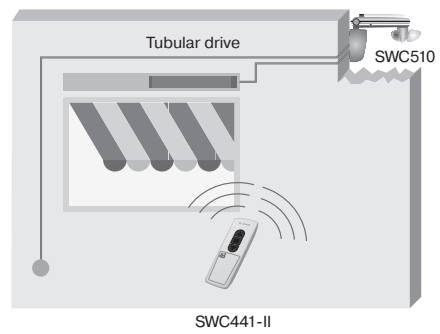
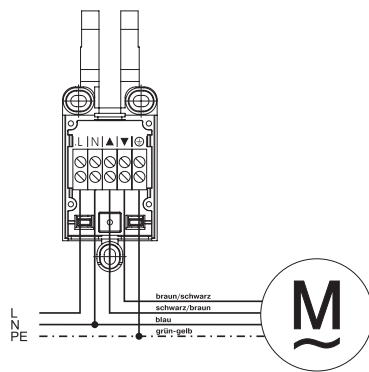
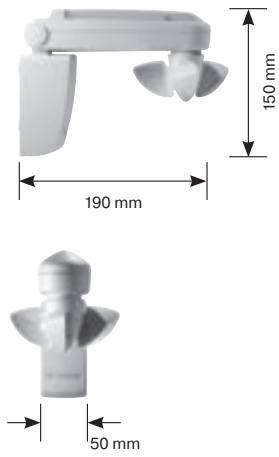
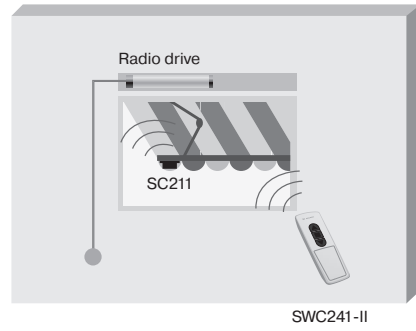
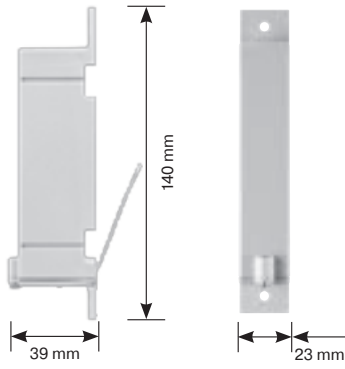
Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz

\* **Note:** The SC211-II is intended solely for the operation of an open, half-closed (semi-cassette), or fully closed (cassette) articulated-arm awning.

Dimensions

Connecting diagram

Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio sensors

### SensorControl SC711

Radio wind sensor



- 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

#### Item no. 4033 000 036 0

Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz

### SensorControl SC811

Radio sun/wind sensor



- 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
- Optional: Supports connection of rain sensor

#### Item no. 4033 000 020 0

Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz

### SensorControl SC861

Solar radio sun/wind sensor



- 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 screening
- Single or central control unit

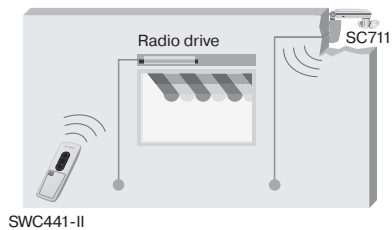
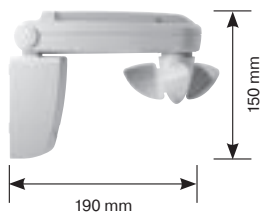
#### Item no. 4033 000 021 0

Colour	Light grey
Degree of protection	IP44
Permissible ambient temperature	-25 to +55°C
Radio frequency	868.3 MHz

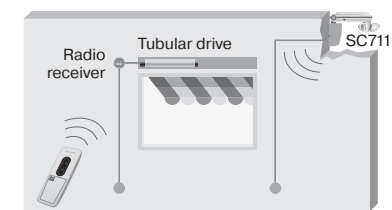
Dimensions

Connecting diagram

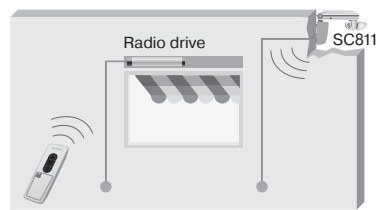
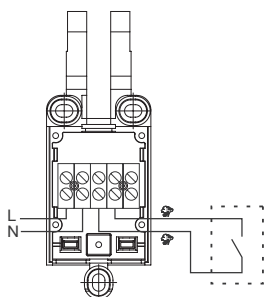
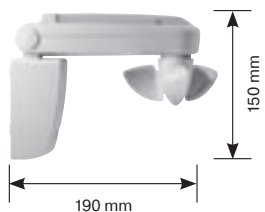
Functional principle – typical wiring diagrams



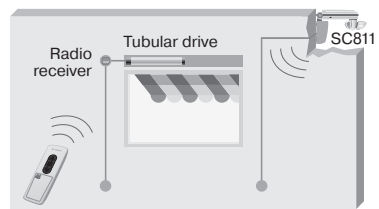
SWC441-II



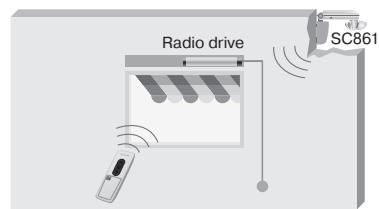
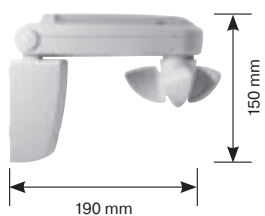
SWC441-II



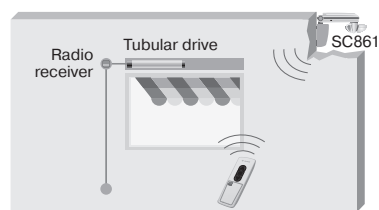
SWC441-II



SWC441-II



SWC441-II



SWC441-II



# Centronic radio control units

## Radio sets

### Roller shutter Vario set

#### RVS241-II

Hand-held transmitter with radio receiver

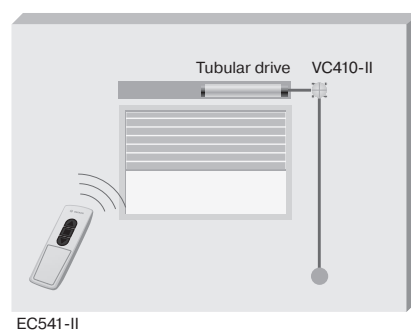
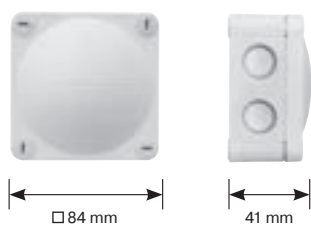


- Programming and setting up of groups possible without having to access the receiver
- Any kind of button can be connected
- Can also be used as lighting control unit
- Blind mode: Exact adjustment of blind laths in touch mode
- Enables the programming of 2 freely selectable intermediate positions

Item no. 4034 000 208 0		
	EC541-II	VC410-II
Colour	White	Light grey
Rated voltage	3 V DC	230 – 240 V AC / 50 Hz
Switching current	3 A / 230 – 240 V at $\cos \varphi = 1$	3 A / 230 – 240 V at $\cos \varphi = 1$
Battery type	CR2430	CR2430
Degree of protection	IP20	IP55
Class of protection	II (when properly installed)	II (when properly installed)
Permissible ambient temperature	-10 to +55°C	-25 to +55°C
Type of mounting	Including wall bracket	Surface-mounted
Radio frequency	868.3 MHz	868.3 MHz
Cable diameter	–	dia. 3 – 12 mm

## Dimensions

## Functional principle – typical wiring diagrams



EC541-II

# Centronic radio control units

## Radio sets

### Sun Vario set SVS241-II

Hand-held transmitter with radio receiver



- 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
- Enables the programming of 2 freely selectable intermediate positions
- Direction of rotation easy to reverse

#### Item no. 4033 000 212 0

	EC541-II	VC470-II
Colour	White	Light grey
Rated voltage	3 V DC	230 V AC / 50 Hz
Switching current	–	5 A / 230 – 240 V at $\cos \varphi = 1$
Battery type	CR2430	–
Degree of protection	IP20	IP20
Class of protection	II (when properly installed)	II (when properly installed)
Permissible ambient temperature	-10 to +55°C	-25 to +55°C
Type of mounting	Including wall bracket	In or on head rail, surface-mounted housing available on request
Radio frequency	868.3 MHz	868.3 MHz

### SunWindSet SWS241-II

Sun/wind control unit with integrated radio receiver with hand-held transmitter for wired drives



- 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 automatic sun protection/wind monitoring
- Adjustable sensor foot for optimum mounting
- Universally applicable for exterior sun protection
- Single or central control unit

#### Item no. 4033 000 207 0

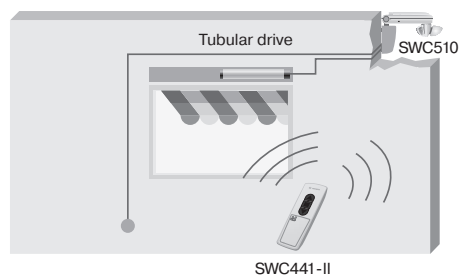
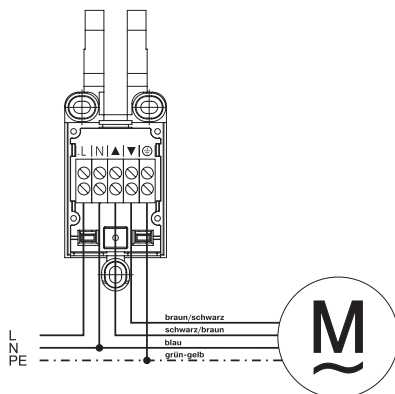
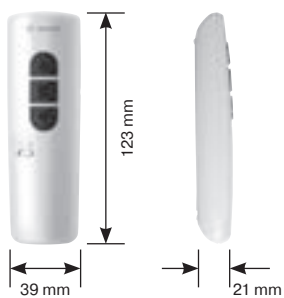
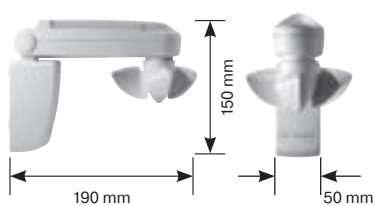
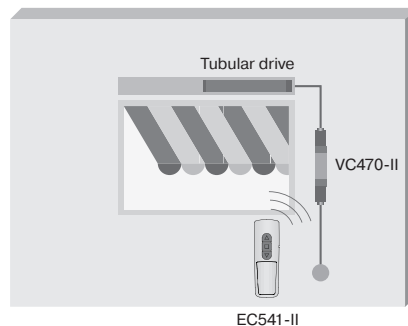
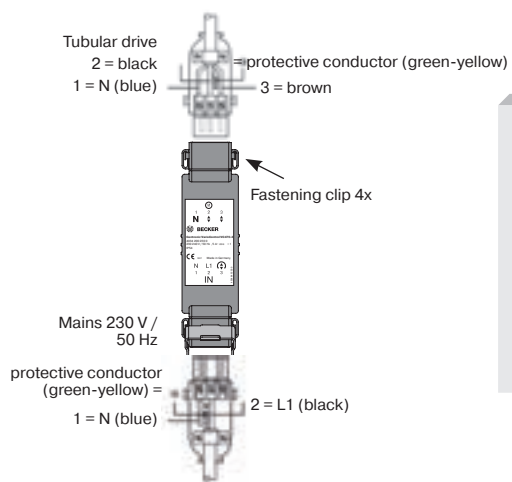
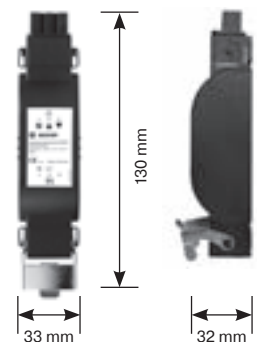
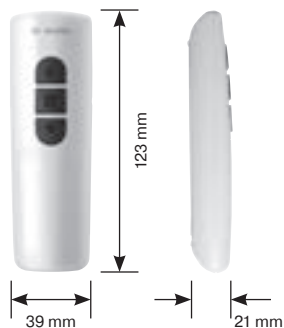
	SWC441-II	SWC510
Colour	White	Light grey
Rated voltage	3 V DC	–
Battery type	LR03 (AAA)	–
Degree of protection	IP20	IP44
Permissible ambient temperature	-10 to +55°C	-25 to +55°C
Radio frequency	868.3 MHz	868.3 MHz



Dimensions

Connecting diagram

Functional principle – typical wiring diagrams



# Centronic radio control units

## Radio sets

### SunWindSet SWS441-II

Radio sun/wind sensor  
with hand-held transmitter



- For controlling a radio drive or an external radio receiver
- 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
- Sensor for 230 V mains connection
- Optional: Supports connection of rain sensor

Item no. 4033 000 208 0

	SWC441-II	SC811
Colour	White	Light grey
Rated voltage	3 V DC	–
Battery type	LR03 (AAA)	–
Degree of protection	IP20	IP44
Permissible ambient temperature	-10 to +55°C	-25 to +55°C
Radio frequency	868.3 MHz	868.3 MHz

### SunWindSet SWS641-II

Solar radio sun/wind sensor  
with hand-held transmitter



- For controlling a radio drive or an external radio receiver
- 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 screening
- Single or central control unit

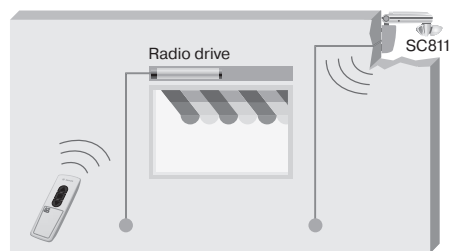
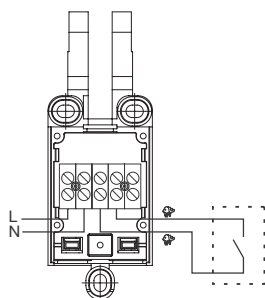
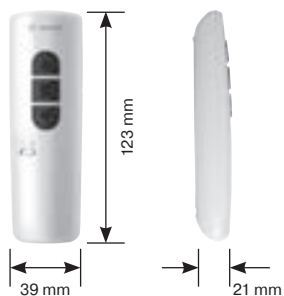
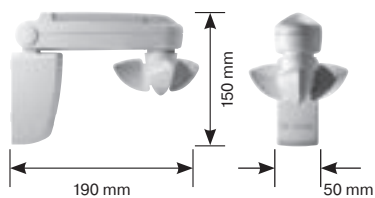
Item no. 4033 000 209 0

	SWC441-II	SC861
Colour	White	Light grey
Rated voltage	3 V DC	–
Battery type	LR03 (AAA)	–
Degree of protection	IP20	IP44
Permissible ambient temperature	-10 to +55°C	-25 to +55°C
Radio frequency	868.3 MHz	868.3 MHz

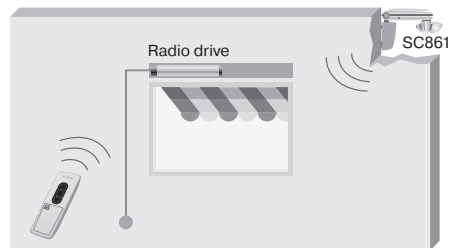
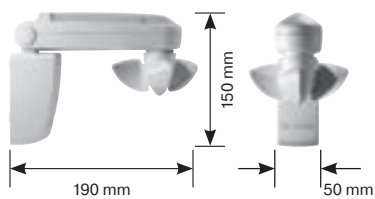
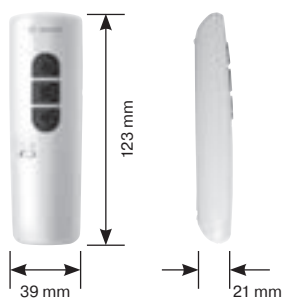
Dimensions

Connecting diagram

Functional principle – typical wiring diagrams



SWC441-II



SWC441-II

# Centronic radio control units

## Beck-O-Tronic – roller door control units for tubular drives

### Beck-O-Tronic

#### 4 Centronic



Door control unit for controlling a tubular drive with mechanical or electronic limit switching

- Integrated buttons and hand-held transmitter included with defined UP, STOP and DOWN commands
- Button input with UP STOP DOWN step sequence
- Setup mode
- Closing edge safety device
- Including mains plug
- Easily accessible cable terminals
- External control sensor, e.g. key-operated push button, can be connected
- Evaluator board for electronic, mechanical or optical safety edge can be plugged in
- Centronic-compatible
- EC142-II hand-held transmitter included

#### Item no. 4005 000 055 0

Dimensions (W x H x D)	155 x 130 x 52 mm
Mains connection	230 V / 50 Hz
Degree of protection	IP54, indoor installation
Capacity	260 VA
Type of mounting	Surface-mounted

### Beck-O-Tronic

#### 5 Centronic



Door control unit for operating a tubular drive with mechanical or electronic limit switching

- Integrated button and hand-held transmitter included with UP, STOP and DOWN step sequence
- Button input with UP STOP DOWN step sequence
- Outdoor light can be connected
- Light barrier can be connected
- Reverse travel on detection of an obstacle
- Electrical or optical safety contact edges can be connected
- External control sensor, e.g. key switch, can be connected
- Centronic-compatible
- Including mains plug
- EC242-II hand-held transmitter included

#### Item no. 4005 000 105 0

Dimensions (W x H x D)	155 x 130 x 52 mm
Mains connection	230 V / 50 Hz
Degree of protection	IP20, indoor installation
Capacity	360 VA
Type of mounting	Surface-mounted



# B-Tronic radio control units

## EasyControl EC5401B

1-channel hand-held transmitter



- 3-colour LED for feedback indication of the operated receivers
- Enables the programming of 2 freely selectable intermediate positions
- Button for easy changing between manual and automatic mode
- Can be programmed to recognise up to 30 receivers
- Single, group or central control unit
- Compatible with the KNX-RF radio standard
- Including wall bracket

Item no. 4035 000 001 0 (white)

Item no. 4035 000 001 1 (black)

Colour	White / black
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

## EasyControl EC5415B

15-channel hand-held transmitter



- Large illuminated display
- 15 channels
- 3-colour LED for feedback indication of the operated receivers
- Enables the programming of 2 freely selectable intermediate positions
- Button for easy changing between manual and automatic mode
- Pictogram indication of the receiver type (e.g. roller shutter, light)
- Button for easy setup and retrieval of up to 4 scenarios
- Can be programmed to recognise up to 45 receivers
- Single, group or central control unit
- Compatible with the KNX-RF radio standard
- Including wall bracket

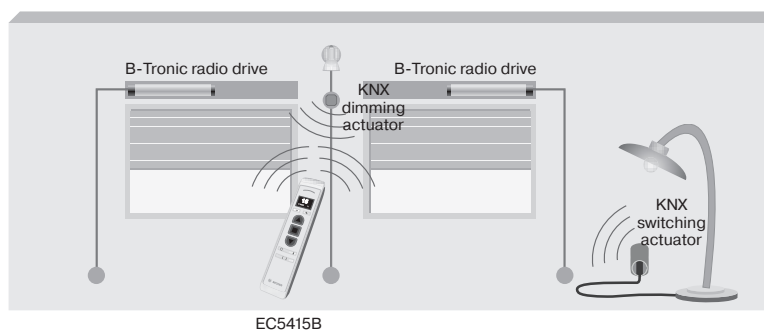
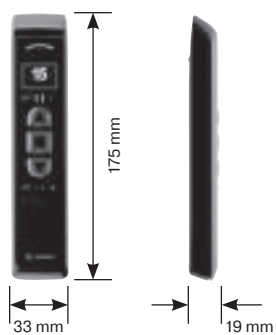
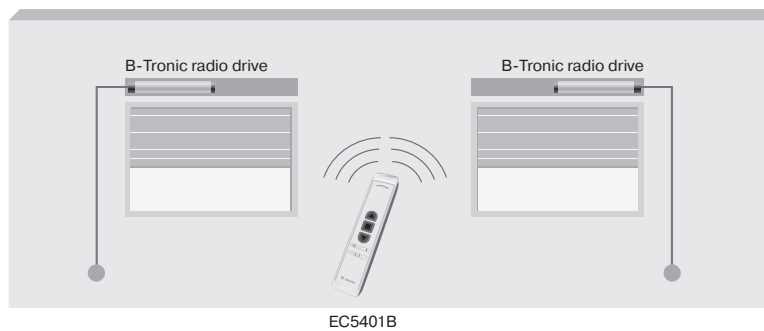
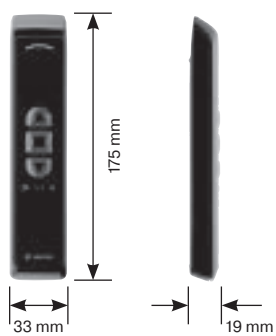
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Item no. 4035 000 002 1 (black)

Colour	White / black
Rated voltage	3 V DC
Battery type	LR03 (AAA)
Degree of protection	IP20
Permissible ambient temperature	-10 to +55°C
Radio frequency	868.3 MHz

## Dimensions

## Functional principle – typical wiring diagrams



# B-Tronic radio control units

## B-Tronic

### CentralControl CC51



Central control unit for the organisation, operation and automation of roller shutters, dimming and switching actuators and heaters

- B-Tronic and Centronic drives can be operated
- External Centronic radio receivers can be operated
- Single, group and central control
- Individually programmable time control, including holiday function, for each receiver
- Organisation of receivers, groups and scenarios in rooms
- Rooms can be individually created and named
- Formation of scenarios
- 4.3" (111 mm) touchscreen
- Remote operation via smartphone, tablet, PC or notebook
- Network integration via LAN /WLAN
- Weather data / weather forecast
- Web cameras can be integrated
- Updates possible via the internet
- Can be used as a stand-alone or wall unit
- Microphone, loudspeaker, brightness sensor and camera are integrated
- Web client for internet radio

#### Item no. 4035 000 003 0

Dimensions (W x H x D)	197 x 156 x 33 mm
Rated voltage	15 to 24 V DC
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Radio frequency	868.3 MHz

## B-Tronic

### CentralControl CC31



Central control unit for the organisation, operation and automation of roller shutters, dimming and switching actuators and heaters

- B-Tronic and Centronic drives can be operated
- External Centronic radio receivers can be operated
- Single, group and central control
- Individually programmable time control, including holiday function, for each receiver
- Organisation of receivers, groups and scenarios in rooms
- Rooms can be individually created and named
- Formation of scenarios
- Visual display via HDMI or AV on television
- Audio Out via HDMI and / or 3.5 mm jack plug
- Remote operation via smartphone, tablet, PC or notebook
- Network integration via LAN /WLAN
- Weather data / weather forecast
- External web cameras can be integrated
- Updates possible via the internet
- Web client for internet radio
- Delivery includes a wireless mini-keyboard with touchpad

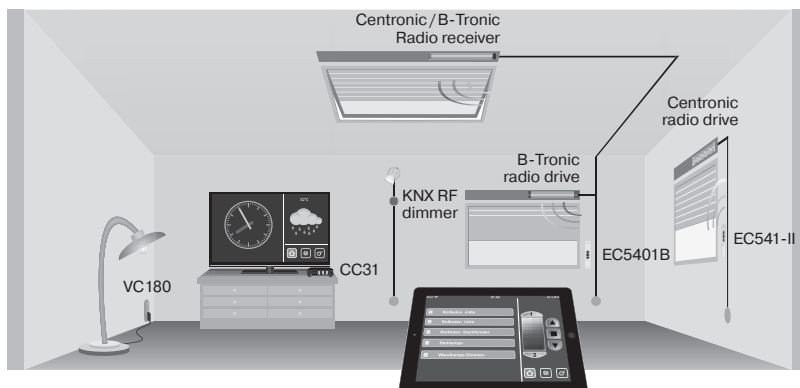
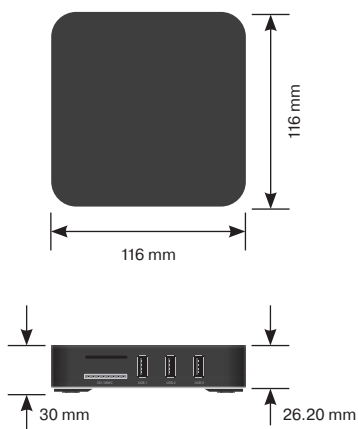
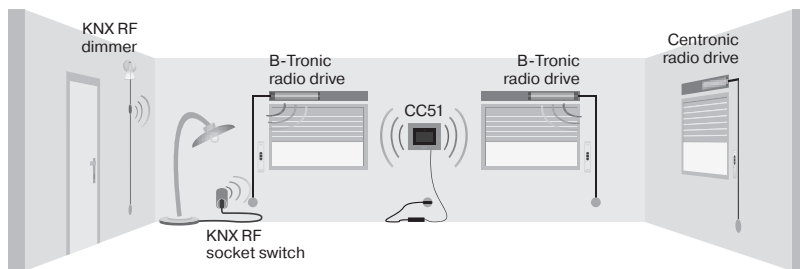
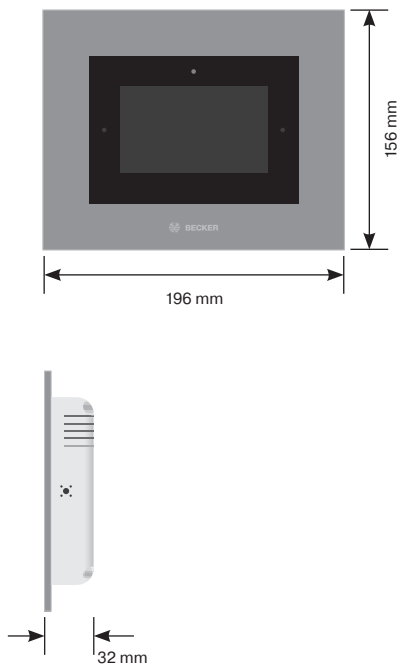
#### Item no. 4035 000 006 0

Dimensions (W x H x D)	116 x 116 x 30 mm
Rated voltage of plug-in power supply	110 – 240 V / 50 – 60 Hz 0.4 A
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +40°C
Radio frequency	868.3 MHz / 2.4 GHz



Dimensions

Functional principle – typical wiring diagrams



# B-Tronic radio control units

## Room Temperature Control

### RTC3100B

#### heating actuator



- Easy mounting
- Compatible with the KNX-RF radio standard
- Button for easy on-site operation
- Single, group and central control
- The current values and settings are fed back to the central control unit
- Open window detection
- Large, easy-to-read display
- Can be switched between summer and winter modes
- Can be linked into scenarios
- Included adapters allow adaption to many connections: Heimeier, Junkers, Landys + Gyr, MNG, Honeywell, Braukmann, Danfoss RAV, RA, RAVL, Comap D805, Oventrop series A, AV6, all valves with M30 x 1.5 thread

#### Item no. 4035 000 004 0

Colour	White
Rated voltage	6 V DC
Degree of protection	IP20
Battery type	LR 6 (AA)
Permissible ambient temperature	0 to +50°C
Radio frequency	868.3 MHz
Fluid temperature	max. 100°C
Valve stroke	max. 4.5 mm

## Flush-mounted

### radio transmitter KNX 002



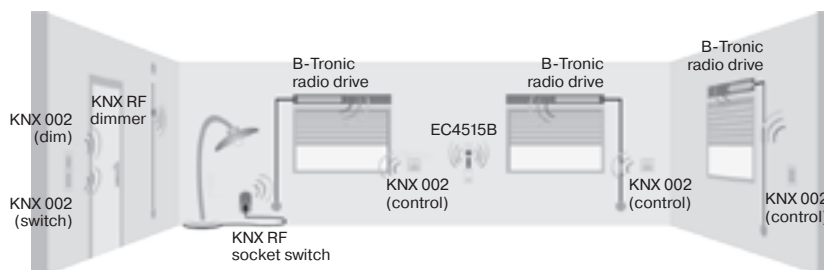
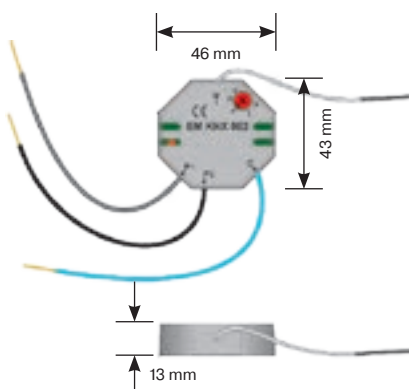
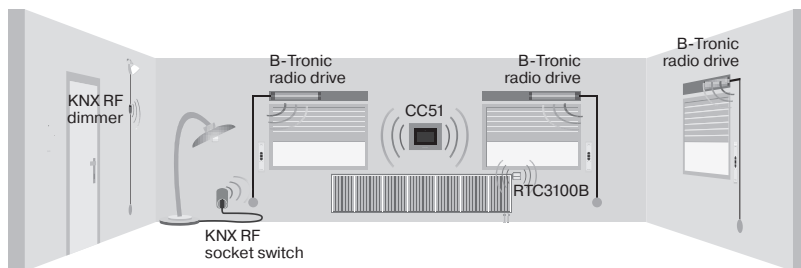
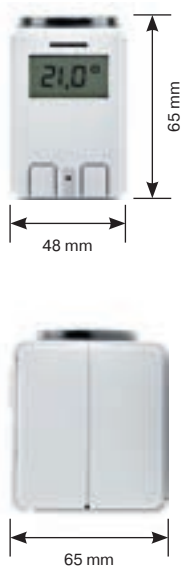
- Turns ordinary buttons in your living space into radio operator units
- Fitted in the flush-mounted box
- Compatible with the KNX-RF radio standard
- Long battery life
- Operation of switching and roller shutter actuators

#### Item no. 4035 000 007 0

Colour	Grey
Rated voltage	3 V DC
Battery type	CR2032
Degree of protection	IP20
Permissible ambient temperature	0 to +45°C
Radio frequency	868.3 MHz

Dimensions

Functional principle – typical wiring diagrams



# B-Tronic radio control units

## *B-Tronic VarioControl*

### *VC4200B*

*(external radio receiver)*



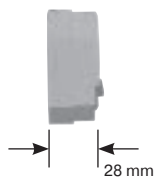
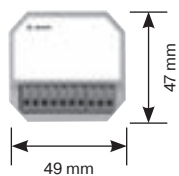
- For connecting roller shutter drives
- Can also be used as a lighting control unit
- Integrated staircase lighting function
- Can also be used for operation of venetian blinds
- Feedback of position or switching status
- Enables the programming of 2 freely selectable intermediate positions
- Can also be used floating
- Any kind of button can be connected
- Integrated memory-time function

#### Item no. 4035 000 009 0

Rated voltage	230 – 240 V AC / 50 – 60 Hz
Switching current	3 A / 230 V at $\cos \varphi = 1$
Degree of protection	IP20
Class of protection	II
Permissible ambient temperature	0 to +55°C
Type of mounting	Flush mounted in switch box in 58 mm diameter
Radio frequency	868.3 MHz

## Dimensions

## Functional principle – typical wiring diagrams



# Overview

## Electrical accessories

Switch / push-button	112	Spiral cable	120
Universal key switch / push-button	113	Closing plug	121
Rotary switch set	114	Pressure-wave hose	121
Cord switch set	114	Pressure-wave contact switch	121
Cord switch adjustment set	114	Cable terminal box	121
Universal programming unit	115	Rubber profile strip	122
Quick-connection set	115	Terminal strip	122
Adapter cable	115	Pressure-wave mounting set 1	122
U26 timer / LS26 light sensor	116	Pressure-wave mounting set 2	122
Surface-mounted housing	116	Electrical safety edge	123
Hirschmann coupling and plug	116	OSE rubber profile, roller shutter	123
Relays	117	OSE terminal strip, roller shutter	123
Automatic rain protection set RAS10	117	OSE rubber profile, door	123
Thermostat	117	OSE terminal strip, door	123
Single push button	118	OSE mounting set, roller shutter	124
Code switch	118	OSE mounting set, door	124
Hand-held transmitter	118	DC control unit 1	125
Infra-red light barrier	119	Overload protection DSD	125
Radio remote control unit	120	DC control unit GS2 / 24 V	125



*Rotary switch/push-button,  
1-pole, flush mounted*



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

- 1-pole version
- Complete with full cover plate
- Switchable push-button / latched switch

**Item no. 4901 000 255 0**

Colour	Alpine white
Mains connection	230 V / 50 Hz
Degree of protection	IP20
Capacity	10 A
Type of mounting	Flush mounted

*Rotary switch/push-button,  
1-pole, surface mounted*



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

- 1-pole version
- Complete with surface-mounted housing
- Switchable push-button / latched switch

**Item no. 4901 000 253 0**

Colour	Alpine white
Mains connection	230 V / 50 Hz
Degree of protection	IP20
Capacity	10 A
Type of mounting	Surface mounted

*Rotary switch/push-button,  
2-pole, surface mounted*



Rotary switch/push-button for controlling two mechanical or multiple electronic drives

- 2-pole version
- Complete with frame
- Switchable push-button / latched switch

**Item no. 4901 000 142 0**

Colour	Grey
Mains connection	230 V / 50 Hz
Degree of protection	IP44
Capacity	10 A
Type of mounting	Surface mounted



### Rocker switch / rocker push-button switch, 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

#### Item no. 4901 000 274 0 (rocker switch)

#### Item no. 4901 000 275 0 (rocker push-button switch)

Colour	Alpine white
Mains connection	230 V / 50 Hz
Degree of protection	IP20
Capacity	10 A
Type of mounting	Flush mounted

### Rocker switch / rocker push-button switch, 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

#### Item no. 4901 000 140 0 (rocker switch)

#### Item no. 4901 000 144 0 (rocker push-button switch)

Colour	Grey
Mains connection	230 V / 50 Hz
Degree of protection	IP20, IP44 with rocker push-button switch
Capacity	10 A
Type of mounting	Surface mounted

### Universal key switch / push-button, surface mounted



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

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

#### Item no. 4901 000 100 0 (random keys)

#### Item no. 4901 000 200 0 (common keys)

Colour	White frame
Mains connection	230 V / 50 Hz
Degree of protection	IP54
Capacity	5 A
Type of mounting	Surface / flush mounted



### 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. plug-in terminal, 4-pole (releasable)

#### Item no. 4901 001 142 0

Colour	Grey
Mains connection	230 V / 50 Hz
Degree of protection	IP44
Capacity	10 A
Type of mounting	Surface mounted

### Cord switch set



- With latching push-button

#### Item no. 4901 002 182 0

### Cord 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

#### Item no. 4935 200 011 0 (with plug-in terminal)

#### Item no. 4935 200 013 0 (coupling (type STAK 3))

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

### Universal programming unit



- For drives with mechanical and electronic limit switching, and drives with electronic radio limit switching
- Important functions are retrievable with 1-button operation
- Integrated mains and motor cables
- Robust industrial housing with weld edge protection
- External signal transducer can be connected
- Backlit control buttons
- User-friendly operating logic

#### Item no. 4935 000 001 0

Colour	Black
Rated voltage	230-240 V AC / 50 Hz
Capacity	max. 5 A
Degree of protection	IP44
Permissible ambient temperature	-10 to +50°C
Mains connection cable	1.8 m length
Drive cable	1.6 m length

### Quick-connection set, 4-core



- For core cross-sections 0.34 to 0.75 mm<sup>2</sup>
- IP65

#### Item no. 4809 006 002 0

### C PROF+ connecting cable for radio drive



- 2 m 230 V/50 Hz power line with CEE 7/7 safety plug
- Plug-in terminal

#### Item no. 4935 200 027 0

### Adapter cable

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

- 0.3 m

#### Item no. 4930 200 181 0



### Hirschmann coupling (type STAK 3N)



Item no. 4809 002 000 0

Colour

Grey

### Hirschmann securing clip



Item no. 4809 004 000 3

### Hirschmann plug (type STAS 3N)



Item no. 4809 001 000 0

Colour

Grey

### U26 timer



- Easy operation using clear display
- Maximum convenience through preprogrammed and individually programmable switching times
- Holiday and weekly function
- Sun and twilight function in connection with LS26 light sensor
- Adjustable ventilation slot
- Power reserve for mains failure
- Light sensor can be connected
- Can be integrated into switching ranges from many manufacturers:
  - Berker: S1, B3, B7
  - Gira: Standard, E2, Event, Esprit
  - Jung: AS, A500, A-Creation, A-Creation-Glas, A-Plus
  - Merten: M-Smart, M-Arc, M-Plan, M-Plan-Glas, M1, Atelier, M-Star as well as other manufacturers with 55x55 mm central board dimensions

Item no. 4906 270 000 0

Colour

Alpine white

Mains connection

230 V / 50 Hz

Degree of protection

IP20

Capacity

5 A

Type of mounting

for Busch-Jäger Reflex Si switch range

Surface-mounted  
housing for U26 timer



Item no. 4906 070 134 0

Colour

Alpine white

- Cable length: 1.5 / 4 m
- suitable for U26 timer

LS26 light sensor



Item no. 4906 262 002 0 (LS26 – 2 m)

Item no. 4906 265 001 0 (LS26 – 5 m)

## Isolating relay TR1



For connecting multiple drives with mechanical limit switching in parallel

- 1 isolating relay is needed for each drive

### Item no. 4003 200 002 0

Dimensions W x H x D	30 x 37 x 30 mm
Mains connection	230 V / 50 Hz
Degree of protection	IP20
Capacity	5 A

## 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.

### Item no. 4906 000 110 0

Dimensions W x H x D	49 x 52 x 22 mm
Mains connection	230 V / 50 Hz
Degree of protection	IP20
Capacity	6 A

## 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 to detect rain and frost for the protection of awnings, the control of roof ventilation, etc.

### Item no. 4017 000 014 0

Colour	White / grey
Mains connection	230 V / 50 Hz
Degree of protection	IP65 (sensor)
Power consumption	4.5 W
Type of mounting	Surface mounted
Cable length	max. 100 m from control component to sensor

## Room thermostat RTR



Room thermostat RTR for use in connection with sun protection control

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

### Item no. 4906 200 056 0

Dimensions W x H x D	75 x 75 x 25 mm
Colour	white
Capacity	5 A
Type of mounting	Surface mounted



### Single push button, surface mounted



Single push-button for controlling a mechanical or multiple electronic drives or control units with push-button input

- Complete with surface-mounted housing

#### Item no. 4901 000 250 0

Colour	Alpine white
Mains connection	230 V / 50 Hz
Degree of protection	IP44
Capacity	10 A
Type of mounting	Surface mounted

### Code switch



For operating control units in the door area

- 2-wire communication between keypad and control unit
- 3 individually settable codes
- Floating changeover contact

#### The following is included:

- 1 evaluator unit in housing
- 1 keypad with 2-wire access line

#### Item no. 4901 000 300 0

Colour	White housing, grey keys
Mains connection	230 / 115 V, 50 / 60 Hz
Degree of protection	IP54 (keypad)
Type of mounting	Surface mounted, with housing for wall mounting

### 2-channel hand-held transmitter, Micro



#### The following is included:

- 2-channel 433 MHz
- 3 V battery (CR2032)

#### Item no. 4905 580 002 0

Colour	Blue / red
Dimensions W x H x D	24x50x11 mm

### 1-channel hand- held transmitter, Mini



#### The following is included:

- 1 channel 40 MHz Mini hand-held transmitter
- 12 V battery

#### Item no. 4905 500 001 0

Colour	Blue / red
Dimensions W x H x D	38x74x15 mm

4-channel  
hand-held  
transmitter,  
Mini



**The following is included:**

- 4 channel 40 MHz Mini hand-held transmitter
- 12 V battery

**Item no. 4905 500 004 0**

Colour	Blue / red
Dimensions W x H x D	38 x 74 x 15 mm

1-channel  
hand-held  
transmitter,  
Maxi



**The following is included:**

- 1 channel 40 MHz Maxi hand-held transmitter
- 9 V battery

**Item no. 4905 530 001 0**

Colour	Blue / red
Dimensions W x H x D	60 x 110 x 22 mm

4-channel  
hand-held  
transmitter,  
Maxi



**The following is included:**

- 4 channel 40 MHz Maxi hand-held transmitter
- 9 V battery

**Item no. 4905 530 004 0**

Colour	Blue / red
Dimensions W x H x D	60 x 110 x 22 mm

Infra-red light barrier  
(transmitter and receiver)

- Range 15 m
- 12 – 240 V/DC
- 24 – 240 V/AC



**Item no. 4906 000 117 0**



### Radio remote control unit, 1-channel



For retrofitting to an existing door control unit (with no integrated slot for the radio receiver)

- Complete with receiver and antenna
- In plastic housing
- With push-button function
- 30 hand-held transmitter buttons can be saved

#### Item no. 4905 602 001 0

Dimensions W x H x D	125 x 125 x 100 mm
Degree of protection	IP54
Capacity	5 A floating
Type of mounting	Surface mounted
Possible codes	4.78 million
FM Receiver unit	Self-training
Relay output	1 x floating, 1 x changeover contact: 5 A / 230 V

### Radio remote control unit, 4-channel



For retrofitting to an existing door control unit (with no integrated slot for the radio receiver)

- Complete with receiver and antenna
- In plastic housing
- With push-button function
- 30 hand-held transmitter buttons can be saved

#### Item no. 4905 602 004 0

Dimensions W x H x D	125 x 125 x 100 mm
Degree of protection	IP54
Capacity	5 A floating
Type of mounting	Surface mounted
Possible codes	4.78 million
FM Receiver unit	Self-training
Relay output	4 x floating, 4 x changeover contact: 5 A / 230 V

### Spiral cable, 2-core



For connecting the cable terminal box to the door and control unit flexibly

#### Item no. 4903 000 134 0

Length	0.7 m, stretches to 3 m
--------	-------------------------



### Spiral cable, 4-core



For connecting the cable terminal box to the door and control unit flexibly

**Item no. 4903 200 134 0**

Length	0.9 m, stretches to 3.5 m
--------	---------------------------

### Closing plugs for pneumatic safety edge



**Item no. 4903 000 145 0**

### Pressure-wave hose



For connecting the rubber profile to the pressure-wave contact switch

**Item no. 4903 000 132 0**

Length	0.42 m
--------	--------

Diameter	5.0 mm
----------	--------

### Pressure-wave contact switch (normally closed)



For constructing a pneumatic safety edge

- Including housing for installation on the door

**Item no. 4903 000 129 0**

### Cable terminal box



For installing the safety edge

**Item no. 4903 500 013 0**



### Rubber profile strip for pressure-wave mounting set



- Single-chamber system

**Item no. 4903 000 130 0**

Dimensions W x H

20 x 20.5 mm / continuous lengths

### Terminal strip, galvanised



For fastening the rubber profile strip

**Item no. 4903 000 131 0**

Dimensions W x H

22 x 9 mm

### Pressure-wave mounting set 1



**The following is included:**

- 1 pressure-wave contact switch
- Spiral cable, 2-core, length 0.7 m, extends to 3 m
- 2 closing plugs
- 1 pressure-wave hose

**Item no. 4903 000 127 0**

### Pressure-wave mounting set 2



**The following is included:**

- 1 pressure-wave contact switch
- Spiral cable, 4-core, length 0.9 m, extends to 3.5 m
- 2 closing plugs
- 1 pressure-wave hose

**Item no. 4903 000 128 0**

### Electrical safety edge\*



Electrical safety edge for securing the closing edge of door installations

- Continuous lengths of rubber profile prepared with sealing lip and switching strips
- Continuous lengths of aluminium C-profile rail

\* When ordering, please quote the length in mm and the connecting side (as seen from the inside)

#### Item no. 4903 500 016 0

Dimensions W x H	25 x 12 mm / continuous lengths (rail)
Dimensions W x H	25 x 29 mm / continuous lengths (rubber)
Terminating resistance	1.2 kΩ

### OSE rubber profile, roller shutter



- Continuous length rubber profile strip

#### Item no. 4903 100 009 0

Dimensions W x H	15 x 40 mm
------------------	------------

### OSE terminal strip, roller shutter



- Continuous length terminal strip, galvanised

#### Item no. 4903 100 010 0

Dimensions W x H	15 x 8 mm
------------------	-----------

### OSE rubber profile, door



- Continuous length rubber profile strip

#### Item no. 4903 100 008 0

Dimensions W x H	25 x 72 mm
------------------	------------

### OSE terminal strip, door



- Continuous length terminal strip, galvanised

#### Item no. 4903 500 005 0

Dimensions W x H	25 x 12 mm
------------------	------------



*OSE mounting set,  
roller shutter*

.....



**The following is included:**

- 2 stoppers for rubber profile
- Spiral cable, 4-core, length 0.9 m, extends to 4 m
- 1 OSE terminal box
- 1 OSE transmitter
- 1 OSE receiver

Item no. 4903 100 002 0

.....

*OSE mounting set,  
door*

.....



**The following is included:**

- 2 stoppers for rubber profile
- Spiral cable, 5-core, length 0.9 m, extends to 4 m
- 1 OSE terminal box
- 1 OSE transmitter
- 1 OSE receiver

Item no. 4903 100 001 0

## DC control unit 1



Overload protection  
DSD, adjustable

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

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

### Item no. 4906 024 520 0

Colour	Light grey
Mains connection	230 V / 50 Hz
Degree of protection	IP54
Capacity	6 A / 24 V
Type of mounting	In surface-mounted housing

### Item no. 4007 000 018 0

Dimensions W x H x D	94x94x55 mm
Capacity	2.5 to 6.5 A / 24 V
Type of mounting	In surface-mounted housing

## DC control unit GS2 / 24 V



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

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

### Item no. 4007 000 016 0

Colour	Light grey
Dimensions W x H x D	182x 180x90 mm
Mains connection	230 V / 50 Hz
Degree of protection	IP54
Capacity	7.5 A / 24 V
Type of mounting	In surface-mounted housing



# Overview

## Mechanical accessories

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# Drive adapters and rings

## Octagonal shaft

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
			Selve	Drive adapter S40 Ring S40	4930 300 083 0 4930 300 085 0		
			V.Müller	Drive adapter S40VM Ring S40VM	4930 300 142 0 4930 300 143 0		
			Selve, Weis- bender, Staffer, V. Müller	Drive adapter S60 Ring S60 Intermediate ring 50x1.5	4930 300 041 0 4930 020 707 2 4930 300 102 0		
			Selve, Weis- bender, Staffer, V. Müller	Drive adapter S60L extended Ring S60L extended		4930 300 466 0 4930 300 465 0	
				Drive adapter Rolm 60 Ring Rolm 60 Intermediate ring 50x1.5	4930 300 044 0 4930 300 037 0 4930 300 102 0	4930 300 044 0 4930 300 037 0	
			Selve, SHG, Weis- bender, Ecker- mann	Drive adapter SM70 Ring SM70		4930 300 045 0 4930 000 607 0	
			Alulux	Drive adapter SM70 Ring SM70			4931 300 080 0 4931 030 707 4



Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Heroal	Drive adapter 70  Ring 70			4931 000 603 4  4931 030 707 4
				Drive adapter SW102 with accessories  Ring SW102			4931 200 063 0  4931 300 137 0
			Heroal	Drive adapter SW125 with accessories  Ring SW125			4931 200 062 0  4931 300 098 0

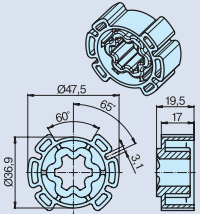
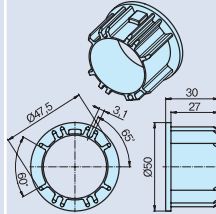

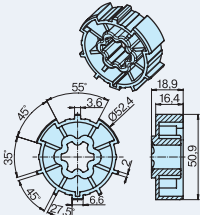
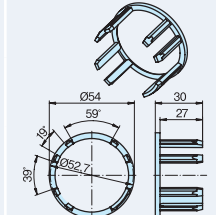
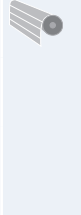
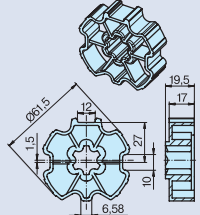
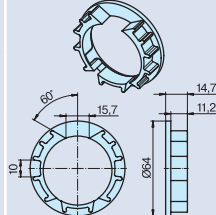
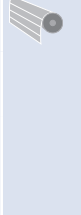
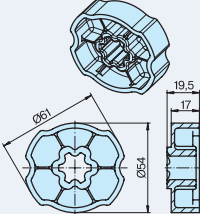
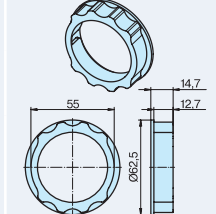
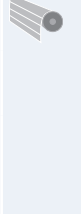
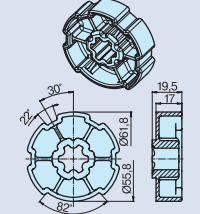
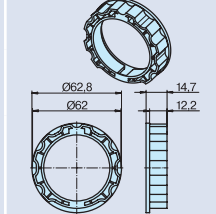
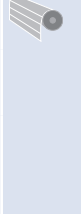
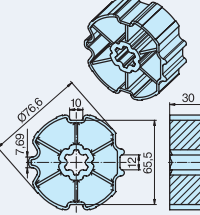
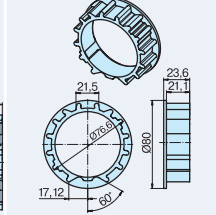

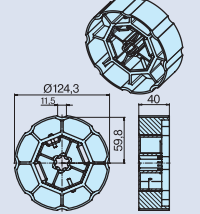
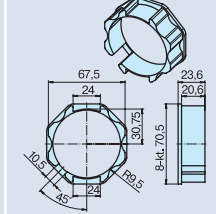
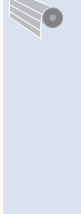
## Profile shaft

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120-11
			Zurflüh Feller	Drive adapter ZF45x0.5  Ring ZF45x0.5	4930 300 135 0  4930 300 136 0		
			Helio- screen	Drive adapter 47 x 2  Ring 47 x 2	4930 300 305 0  4930 300 306 0		
			HOCO	Drive adapter HOCO 52  Ring HOCO 52		4930 300 272 0  4930 300 273 0	



# Drive adapters and rings

## Profile shaft

Drive adapter	Ring	Application	Manufacturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
			Benthin	Drive adapter Benthin 52+62 Ring Benthin 52+62 Wall bracket	4930 300 442 0 4930 300 443 0 4930 300 432 0		
			Zurflüh Feller	Drive adapter ZF54 Ring ZF54 Intermediate ring 50x1.5	4930 300 193 0 4930 300 390 0 4930 300 102 0	4930 300 193 0 4930 300 390 0	
			Zurflüh Feller	Drive adapter ZF64x0.8 Ring ZF64x0.8 Intermediate ring 50x1.5	4930 300 140 0 4930 300 141 0 4930 300 102 0	4930 300 140 0 4930 300 141 0	
			Hoos, Metalpreß, Weisbender	Drive adapter HM65 Ring HM65 Intermediate ring 50x1.5	4930 300 048 0 4930 080 707 0 4930 300 102 0	4930 300 048 0 4930 080 707 0	
			Eckermann, Imbac	Drive adapter E65 Ring E65 Intermediate ring 50x1.5	4930 300 047 0 4930 040 707 2 4930 300 102 0	4930 300 047 0 4930 040 707 2	
			Zurflüh Feller	Drive adapter ZF80x1.2 Ring ZF80x1.2			4931 300 148 0 4931 300 149 0
			Alukon	Drive adapter A128 Ring SM70 Intermediate ring			4931 300 302 0 4931 030 707 4

## Hexagonal shaft

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
			Butz- bach, Rieko	Drive adapter B60 Ring B60 Intermediate ring 50x1.5	4930 300 046 0 4930 030 707 1 4930 300 102 0	4930 300 046 0 4930 030 707 1	
			Butz- bach, Rieko	Drive adapter B75 Ring B75 Ring 63x1.5		4930 300 189 0 4931 010 707 4 4930 300 006 0	
			Butz- bach	Drive adapter B75 Ring B75			4931 300 081 0 4931 010 707 4
			Butz- bach	Drive adapter B85 Ring B85			4931 300 082 0 4931 020 707 4

## Grooved shaft

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
				Drive adapter M40 Drive Wheel Universal Ring M40 Crown Wheel 43 mm	4930 300 408 0 4930 300 409 0		
				Drive adapter M50 Drive Wheel Universal Ring M50 Crown Wheel 60 mm		4930 300 406 0	4930 300 406 0 4930 300 407 0



# Drive adapters and rings

## Grooved shaft

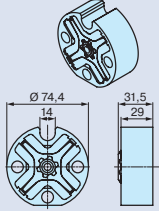
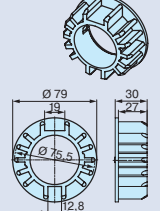

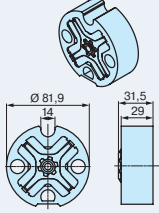
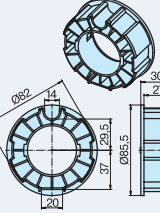

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
				Ring M50 Crown Wheel 80 mm			4930 300 416 0
				Drive adapter 50x2 Rolmatic  Ring 50x2 Rolmatic	4930 300 103 0  4930 300 104 0		
				Drive adapter 57,5  Ring 57,5  Intermediate ring 50x1.5	4930 300 173 0  4930 300 174 0  4930 300 102 0	4930 300 173 0  4930 300 174 0	
				Drive adapter 63N K up to 25 Nm  Ring 63N		4930 300 084 0  4930 300 415 0	
				Drive adapter 63N D from 30 Nm  Ring 63N		4930 300 052 0  4930 300 415 0	
				Drive adapter Forjas 70  Ring Forjas 70		4930 300 217 0  4930 300 218 0	
				Drive adapter DW70N  Ring DW70N		4930 300 055 0  4930 070 707 0	

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20–P13/9	R7/17–R50/11	L44/14–L120/11
				Drive adapter DW74N  Ring DW74N		4930 300 056 0  4930 010 707 2	
				Drive adapter DW78R+F  Ring DW78R+F		4930 300 091 0  4930 300 033 0	
				Drive adapter DW78N 1,5 mm Centre offset  Ring DW78N			4931 300 365 0  4931 300 357 0
				Drive adapter DW78N 4 mm C Centre offset  Ring DW78N			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 from 40 Nm 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

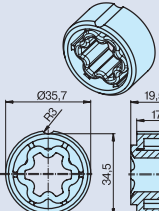

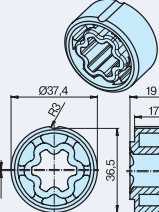
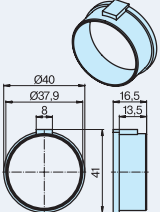

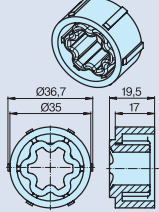
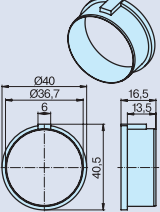

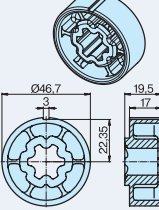
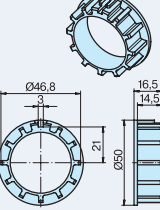



# Drive adapters and rings

## Grooved shaft for mute drives

Drive adapter	Ring	Application	Manufacturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
				Drive adapter DW78N mute  Ring DW78R+F		4930 200 256 0  4930 300 354 0	
				Drive adapter DW85N mute  Ring DW85N		4930 200 257 0  4930 300 066 0	

## Round tube

Drive adapter	Ring	Application	Manufacturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
				Drive adapter 38 x 1 / 40 x 2  Without ring**	4930 300 088 0		
				Drive adapter 40 x 1 / 42 x 2  Ring 40 x 1 / 42 x 2	4930 300 086 0  4930 300 087 0		
				Drive adapter 40 x 1.3 / 40 x 1.5  Ring 40 x 1.3 / 40 x 1.5	4930 300 195 0  4930 300 196 0		
				Drive adapter 50 x 1.5  Intermediate ring 50 x 1.5	4930 300 049 0  4930 300 102 0	4930 300 049 0  Without ring**	

\*\*Barrel fits on the thrust ring of the drive

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20–P13/9	R7/17–R50/11	L44/14–L120/11
				Drive adapter Siral 50  Intermediate ring 50x 1.5	4930 300 050 0  4930 300 102 0	4930 300 050 0  Without ring**	
			Warema	Drive adapter 50x 1.5 Thread M4  Intermediate ring 50x 1.5	4930 300 420 0  4930 300 102 0	4930 300 420 0  Without ring**	
				Drive adapter 60x 1.5  Ring 60x 1.5  Intermediate ring 50x 1.5	4930 300 075 0  4930 300 076 0  4930 300 102 0	4930 300 075 0  4930 300 076 0	
				Drive adapter 63x 1.5  Ring 63x 1.5	4930 300 059 0  4930 300 060 0	4930 300 059 0  4930 300 060 0	
				Intermediate ring 63x 1.5		4930 300 006 0	
				Drive adapter 63x 1.5			4931 300 083 0 Without ring**
				Drive adapter 70x 1.5  Ring 70x 1.5		4930 300 061 0  4930 300 062 0	



# Drive adapters and rings

## Round tube

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
				Drive adapter 70 x 1.5  Ring 70 x 1.5			4931 300 084 0  4931 050 707 4
				Drive adapter 70 x 2  Ring 70 x 2			4931 300 085 0  4931 060 707 4
				Drive adapter 83 x 1.5 / 85 x 2.5  Ring 83 x 1.5 / 85 x 2.5		4930 300 098 0  4930 300 100 0	
				Drive adapter 83 x 1.5 / 85 x 2.5  Ring 83 x 1.5 / 85 x 2.5			4931 300 119 0  4931 300 125 0
				Drive adapter 98 x 2  Ring 98 x 2			4931 300 115 0  4931 300 126 0
				<b>R7/ – R25/17</b> Drive adapter 100 x 2  Ring 100 x 2  Ring 63 x 1.5  Set of screws		4930 300 185 0  4931 300 160 0  4930 300 060 0  4930 200 093 0	
				Drive adapter 102 x 2  Ring 102 x 2			4931 300 104 0  4931 300 049 0

\*\*\* for sensitive obstacle detection



Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
				Drive adapter 108x3.6  Ring 108x3.6			4931 300 155 0  4931 300 043 0
				Drive adapter 133x2  Ring 133x2			4931 300 120 0  4931 300 127 0
				Ring 98x2			4931 300 126 0

### Drive adapters and rings for obstacle detection

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20-P13/9	R7/17-R50/11	L44/14-L120/11
				Drive adapter O-S40  Ring S40	4930 200 250 0  4930 300 085 0		
				Drive adapter O-S50***  Intermediate ring 50 x 1.5	4930 200 229 0  4930 300 102 0	4930 200 229 0	
				Drive adapter O-HOCO52***  Ring HOCO52  Intermediate ring 50 x 1.5	4930 200 237 0  4930 300 273 0  4930 300 102 0	4930 200 237 0  4930 300 273 0	








# Drive adapters and rings

## Drive adapters and rings for obstacle detection

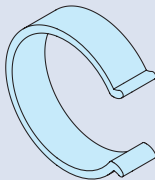

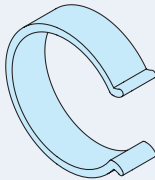

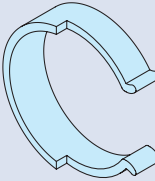

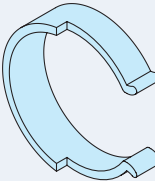

Drive adapter	Ring	Appli- cation	Manu- facturer	Designation (Dimensions)	P5/20 – P13/9	R7/17 – R50/11	L44/14 – L120/11
				Drive adapter O-ZF54*** Ring ZF54 Intermediate ring 50x1.5	4930 200 230 0 4930 300 390 0 4930 300 102 0	4930 200 230 0 4930 300 390 0	
				Drive adapter O-Rolm 60*** Ring Rolm 60 Intermediate ring 50x1.5	4930 200 223 0 4930 300 037 0 4930 300 102 0	4930 200 223 0 4930 300 037 0	
				Drive adapter O-S60 Ring S60 L Intermediate ring 50x1.5	4930 200 222 0 4930 300 465 0 4930 300 102 0	4930 200 222 0 4930 300 465 0	
				Drive adapter O-ZF64*** Ring ZF64x0.8 Intermediate ring 50x1.5	4930 200 231 0 4930 300 141 0 4930 300 102 0	4930 200 231 0 4930 300 141 0	
				Drive adapter O-HM65 Ring HM65 Intermediate ring 50x1.5	4930 200 245 0 4930 080 707 0 4930 300 102 0	4930 200 245 0 4930 080 707 7	
				Drive adapter O-E65 Ring E65 Intermediate ring 50x1.5	4930 200 249 0 4930 040 707 2 4930 300 102 0	4930 200 249 0 4930 040 707 2	
				Drive adapter O-SM70*** Ring SM70 Intermediate ring 50x1.5	4930 200 236 0 4930 000 607 0 4930 300 102 0	4930 200 236 0 4930 000 607 0	

\*\*\* for sensitive obstacle detection

## Fasteners for drive adapters

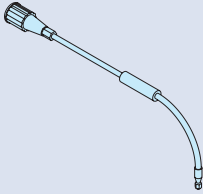

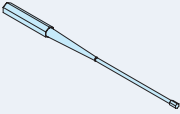

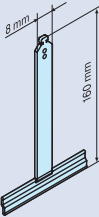

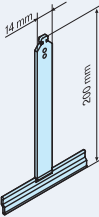


Name	Application	R7/17-R20/17	R30/17-R120/11	L44/14-L120/11
Drive adapter safety catch		4930 300 161 0		
Tooth lock washer			9900 101 679 7	
Screw M6			9901 250 091 2	
Screw M6 for drive adapter 102/ 125-octagonal				9901 252 091 2
Washer for drive adapter 102 / 125-octagonal				4931 300 161 0

## Cover clips

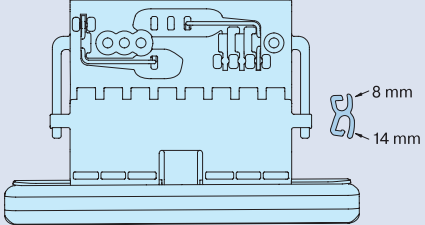

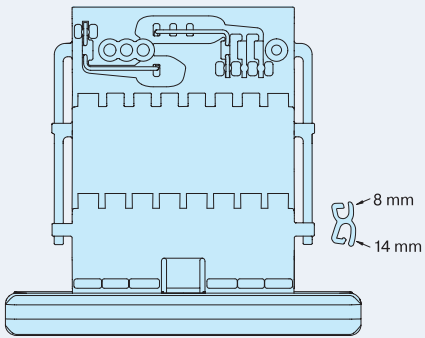

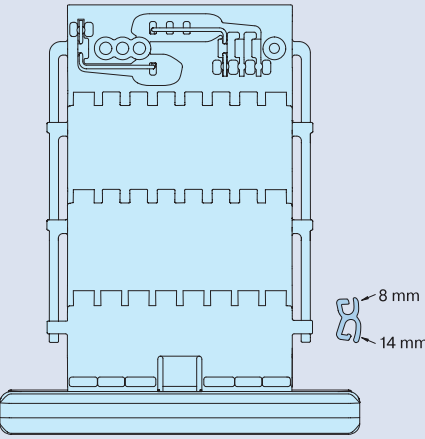

Cover clip	Application	Designation	Item number
		Cover clip white for Pico without strip	4930 300 490 0
		Cover clip black for Pico without strip	4930 300 491 0
		Cover clip white for Pico with strip	4930 300 492 0
		Cover clip black for Pico with strip	4930 300 493 0

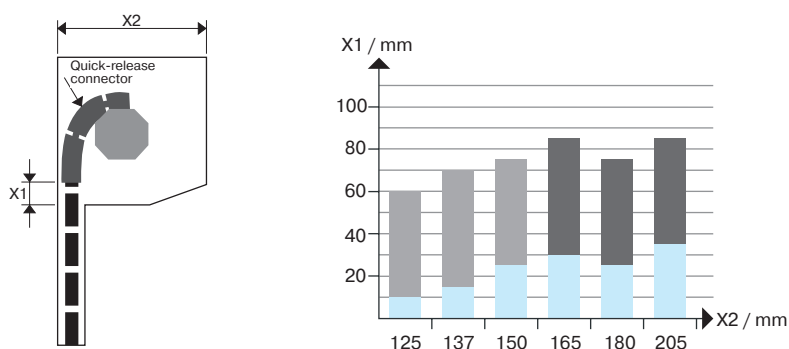


# Setting tools / suspension springs

	Name	Application	Packaging unit	Item number
	Flexible setting tool			4933 200 002 0
	Setting tool			4933 300 029 0
	Mini suspension spring	<ul style="list-style-type: none"> <li>For roller shutter curtain with Mini profile, width 8 mm, length 160 mm</li> </ul> 	100 Units	4930 300 338 0
	Maxi suspension spring	<ul style="list-style-type: none"> <li>For roller shutter curtain with Maxi profile, width 14 mm, length 200 mm</li> </ul> 	100 Units	4930 300 337 0
	Tube clamp	<ul style="list-style-type: none"> <li>For S40 suspension springs</li> </ul> 		4930 300 307 0

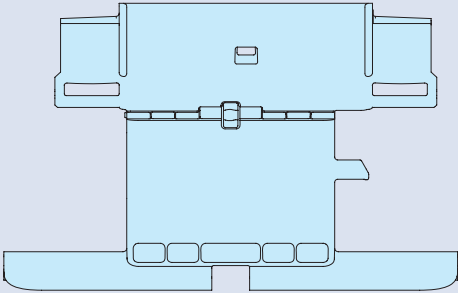

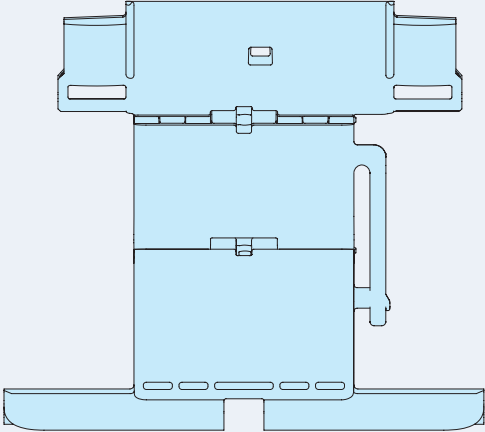

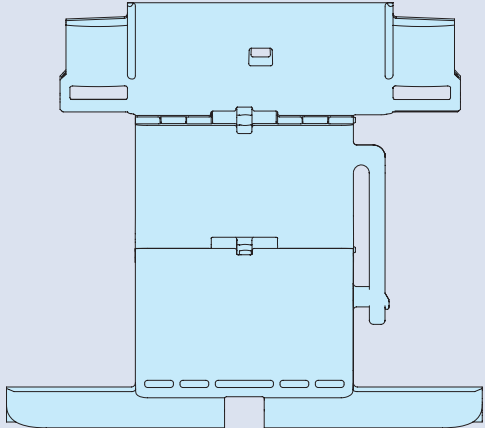

# Rigid safety springs

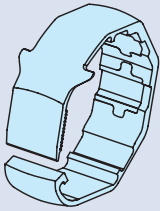

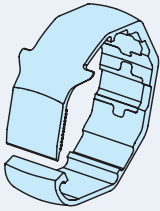

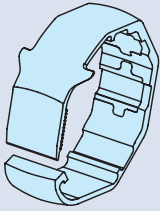

	Name	Application	Item number
 <p>8 mm 14 mm</p>	Rigid safety spring 1-link	<ul style="list-style-type: none"> <li>For 50 mm and 60 mm shaft diameters</li> <li>With mounting profile for 8 mm and 14 mm roller shutter laths</li> <li>Roller shutter tubular drives with automatic detection of anti-lifting devices (+-types, e.g. RP+, PR+, PRF+, etc.)</li> </ul> 	4902 000 306 0
 <p>8 mm 14 mm</p>	Rigid safety spring 2-link	<ul style="list-style-type: none"> <li>For 50 mm and 60 mm shaft diameters</li> <li>With mounting profile for 8 mm and 14 mm roller shutter laths</li> <li>Roller shutter tubular drives with automatic detection of anti-lifting devices (+-types, e.g. RP+, PR+, PRF+, etc.)</li> </ul> 	4902 000 307 0
 <p>8 mm 14 mm</p>	Rigid safety spring 3-link	<ul style="list-style-type: none"> <li>For 50 mm and 60 mm shaft diameters</li> <li>With mounting profile for 8 mm and 14 mm roller shutter laths</li> <li>Roller shutter tubular drives with automatic detection of anti-lifting devices (+-types, e.g. RP+, PR+, PRF+, etc.)</li> </ul> 	4902 000 308 0

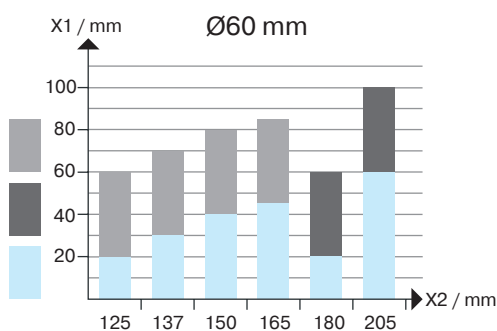
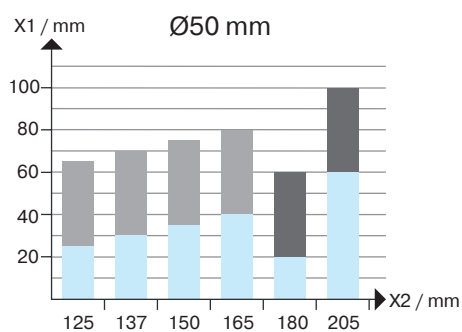
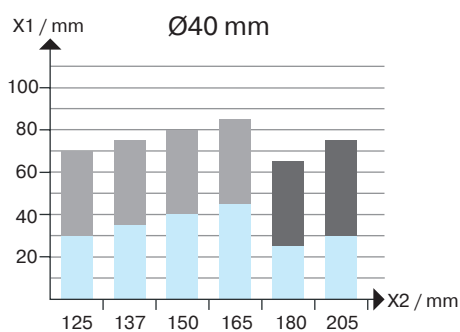
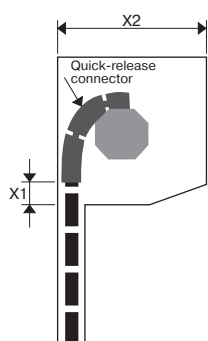





# Rigid quick-release connectors

for size 40 shaft

	Name	Application	Item number
	Rigid quick-release connectors 1-link	<ul style="list-style-type: none"> <li>■ For sizes 40, 50 and 60 octagonal shafts</li> <li>■ With mounting profile for 8 mm to 11 mm roller shutter laths</li> <li>■ Roller shutter tubular drives with automatic detection of anti-lifting devices</li> </ul> 	4902 000 309 0
	Rigid quick-release connectors 2-link	<ul style="list-style-type: none"> <li>■ For size 40 octagonal shafts</li> <li>■ With mounting profile for 8 mm to 11 mm roller shutter laths</li> <li>■ Roller shutter tubular drives with automatic detection of anti-lifting devices</li> </ul> 	4902 000 310 0
	Rigid quick-release connectors 2-link	<ul style="list-style-type: none"> <li>■ For sizes 50 and 60 octagonal shafts</li> <li>■ With mounting profile for 8 mm to 11 mm roller shutter laths</li> <li>■ Roller shutter tubular drives with automatic detection of anti-lifting devices</li> </ul> 	4902 000 312 0

	Name	Application	Item number
	Ring for rigid quick-release connector	<ul style="list-style-type: none"> <li>For size 40 octagonal shafts</li> </ul> 	4902 000 311 0
	Ring for rigid quick-release connector	<ul style="list-style-type: none"> <li>For size 50 octagonal shafts</li> </ul> 	4902 000 313 0
	Ring for rigid quick-release connector	<ul style="list-style-type: none"> <li>For size 60 octagonal shafts</li> </ul> 	4902 000 314 0

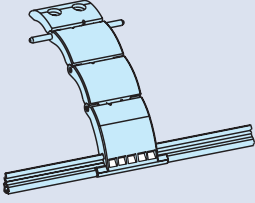



-  Add roller shutter laths
-  Area of application for 2-link quick-release connectors
-  Add roller shutter laths



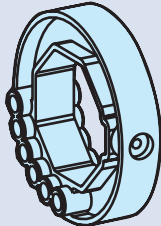

# Anti-lifting devices / fastening rings

## Anti-lifting device

	Name	Application	Item number
	1-link, Profile 8 mm		4902 000 250 0
	2-link, Profile 8 mm		4902 000 251 0
	3-link, Profile 8 mm		4902 000 252 0
	2-link, Profile 14 mm		4902 000 254 0
	3-link, Profile 14 mm		4902 000 255 0
	4-link, Profile 14 mm		4902 000 256 0

2 fastening rings are needed for each anti-lifting device; the gap between 2 anti-lifting devices should not be greater than 70 cm.

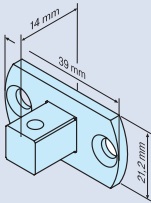


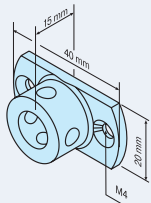


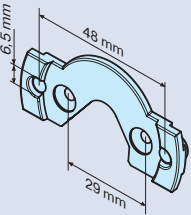


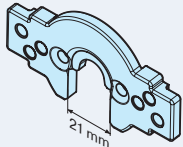


## Fastening ring

	Name	Application	Item number
	SW 40	■ R8/17RP(+)-R20/17RP(+)	4902 000 257 0
	SW 60	■ P5/20PR+ - P9/16PR+	4902 000 258 0
	SW 70	■ P5/16C PROF+ - P9/16C PROF+	4902 000 259 0
		■ R8/17C PROF+ - R40/17C PROF+	
		■ R8/17C PR+ - R40/17C PR+	
			

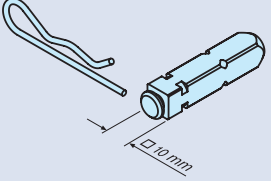


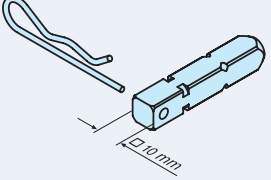




# Connecting pieces

## Tubular drives P5/16 – P13/9

	Name	Application	Item number
	Connecting piece-P 4K-10 including screws, with square, 10 mm	 Drives for roller shutters P5/16 – P13/9  Drives for sun protection P5/16 – P13/9	4930 200 140 0
	Connecting piece-P 20-round including screws, with round pin 20 mm diameter	 Drives for roller shutters P5/16 – P13/9  Drives for sun protection P5/16 – P13/9	4930 200 139 0
	Mini strip-P C-Plug M6/48 including screws	 Drives for roller shutters P5/16 – P13/9  Drives for sun protection P5/16 – P13/9	4930 200 232 0
	B-strip-P C-Plug	 Drives for roller shutters P5/16 – P13/9  Drives for sun protection P5/16 – P13/9	4930 200 234 0

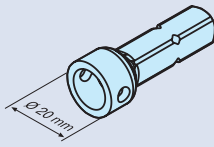


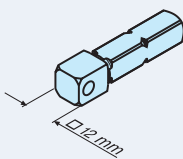


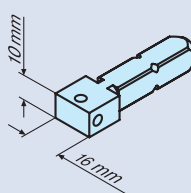


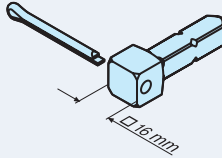


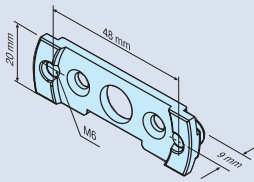

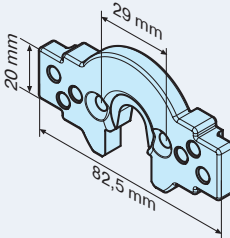

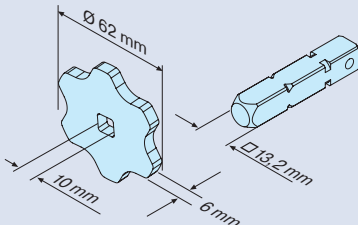


## Tubular drives R7/17 – R50/11

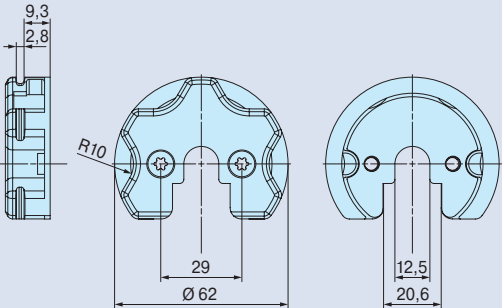

	Name	Application	Item number
	Mounting pin-R 1/10 square 10 mm	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11	4930 200 026 0
	Mounting pin-R 2/10 square 10 mm	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11	4930 200 030 0



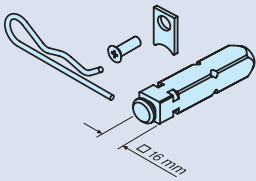


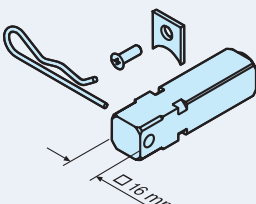


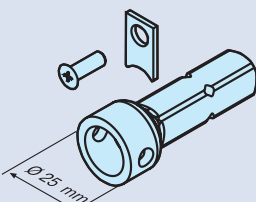


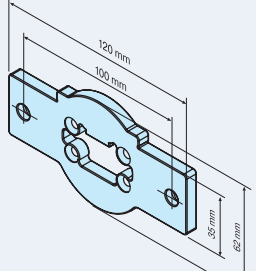

# Connecting pieces

## Tubular drives R7/17 – R50/11

	Name	Application	Item number
	Mounting pin-R 3/20 round, d=20 mm	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11	4930 300 159 0
	Mounting pin-R 4/12 square 12 mm	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11	4930 300 412 0
	Mounting pin-R 4/16-10 square 16 x 10 mm	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11	4930 300 449 0
	Mounting pin-R 4/16 square 16 mm	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11 <b>Note:</b> For wall brackets with 16 mm square receptacle (4931...)	4930 200 052 0
	Mini strip-R C-Plug Mini strip M6/48 including screws	 Drives for roller shutters R7/17 – R20/17	4930 200 244 0
	B-strip-R C-Plug including screws	 Drives for roller shutters (one-sided load) R7/17 – R40/17	4930 200 235 0
	Star connecting piece	 Drives for roller shutters R7/17 – R50/11  Drives for sun protection R7/17 – R50/11	4930 200 260 0

	Name	Application	Item number
	Star adapter	 Drives for roller shutters R7/17 – R25/17	4930 200 265 0

### Tubular drives L44/14 – L120/11

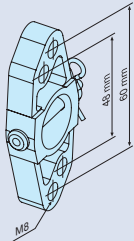


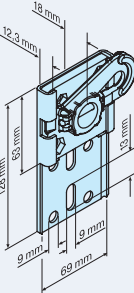

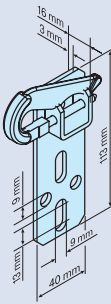

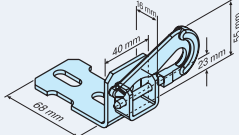

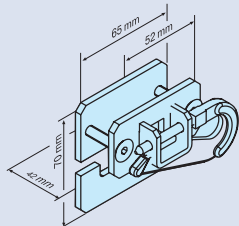

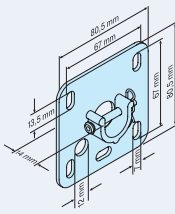

	Name	Application	Item number
	Mounting pin-L 1/16 square 16 mm	 Drives for roller shutters L44/14 – L120/11  Drives for sun protection L44/14 – L120/11	4931 200 040 0
	Mounting pin-L 2/16 square 16 mm	 Drives for roller shutters L44/14 – L120/11  Drives for sun protection L44/14 – L120/11 <b>Note:</b> For wall brackets with 16 mm square receptacle (4931...)	4931 200 034 0
	Mounting pin-L 3/25 round, d=25 mm	 Drives for roller shutters L44/14 – L120/11  Drives for sun protection L44/14 – L120/11	4931 200 035 0
	B-strip-L	 Drives for roller shutters (one-sided load) L44/14 – L80/11	4931 300 169 0



# Wall brackets, box brackets, system brackets and awning brackets

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

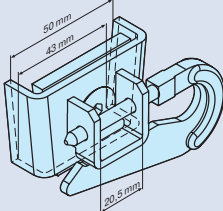


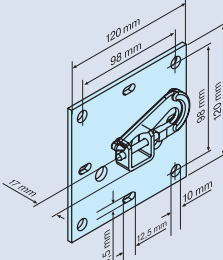

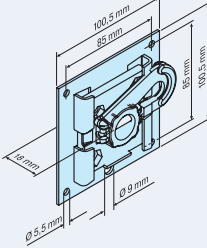

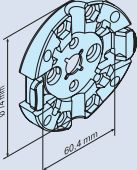

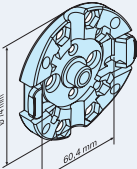

	Name	Application	Item number
	Box bracket-P/R 4K-10 with square 10 mm for mounting pins 1/10 and 2/10 and connecting piece 10 mm	Drives for roller shutters (one-sided load) R7/17 – R50/11	4930 300 051 0
	Awning bracket-P/R Star-10 with star for mounting pins 1/10 and 2/10 and connecting piece 10 mm diameter	Drives for sun protection R7/17 – R50/11	4930 300 053 0
	Awning bracket-P/R 4K-10 with square 10 mm for mounting pins 1/10 and 2/10 and connecting piece 10 mm diameter	Drives for sun protection R7/17 – R50/11	4930 300 040 0
	Awning bracket M6 with spigot for mounting pins 3/20	Drives for roller shutters R7/17 – R40/17 Drives for sun protection R7/17 – R40/17	4930 200 043 0
	Awning bracket M6 without spigot for mounting pins 3/20	Drives for roller shutters R7/17 – R40/17 Drives for sun protection R7/17 – R40/17	4930 000 728 0
	Awning bracket M8 with spigot for mounting pins 3/20	Drives for roller shutters R7/17 – R40/17 Drives for sun protection R7/17 – R40/17	4930 200 044 0

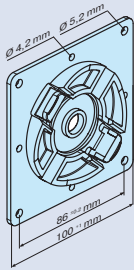

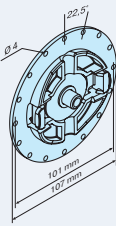

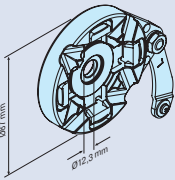

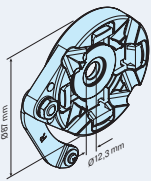

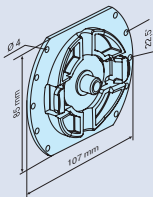

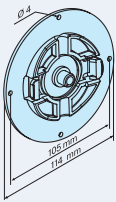

	Name	Application	Item number
	Awning bracket M8 without spigot for mounting pins 3/20	 Drives for roller shutters R7/17 – R40/17  Drives for sun protection R7/17 – R40/17	4930 000 726 1
	Universal wall bracket-P/R 3/20 for mounting pins 3/20 and connecting piece 20 mm diameter	 Drives for roller shutters R7/17 – R40/17	4930 200 005 0
	Box bracket-P/R 3/20 for mounting pins 3/20 and connecting piece 20 mm diameter	 Drives for roller shutters R7/17 – R40/17	4930 010 607 0
	Behind-plaster bracket-P/R 3/20 for mounting pins 3/20	 Drives for roller shutters R7/17 – R40/17	4930 040 607 0
	Conversion bracket-P/R 3/20 for the behind-plaster bracket for mounting pins 3/20	 Drives for roller shutters R7/17 – R30/17	4930 200 077 0
	Plate bracket-P/R B80 3/20 Width 80 mm for mounting pins 3/20	 Drives for roller shutters R7/17 – R30/17	4930 000 607 2



# Wall brackets, box brackets, system brackets and awning brackets

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

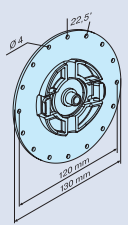

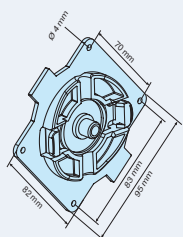

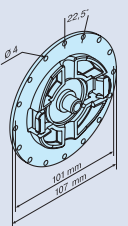

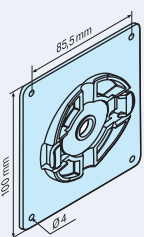

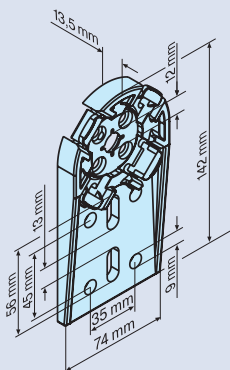

	Name	Application	Item number
	Complete conversion set-P/R 3/20 for the behind-plaster bracket for mounting pin for mounting pins 3/20	 Drives for roller shutters R7/17 – R30/17	4930 200 207 0
	Ball bearing conversion set		4930 200 255 0
	Plate bracket-P/R B120 3/20 Width 120 mm for mounting pins 3/20	 Drives for roller shutters R7/17 – R40/17	4930 200 001 0
	Motor bracket-P/R 3/20 for covering cap for mounting pin 3/20	 Drives for roller shutters R7/17 – R40/17	4930 200 036 0
	Wall bracket-P/R with catch for Mini strip	 Drives for roller shutters R7/17 – R20/17	4930 300 382 0
	Wall bracket-P/R with catch 2 for Mini strip	 Drives for roller shutters R7/17 – R20/17	4930 300 332 0

	Name	Application	Item number
	Wall bracket-P/R Exte with catch for Mini strip and EXTE head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 524 0
	Wall bracket-P/R Gealan with catch for Mini strip and Gealan head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 525 0
	Wall bracket Heroal left	 Drives for roller shutters P5/16 – P13/9 and R7/17 – R50/11	4930 200 262 0
	Wall bracket Heroal right	 Drives for roller shutters P5/16 – P13/9 and R7/17 – R50/11	4930 200 263 0
	Wall bracket-P/R Inoutic with catch for Mini strip and Inoutic head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 359 0
	Wall bracket-P/R Kömmerling with catch for Mini strip and Kömmerling head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 357 0

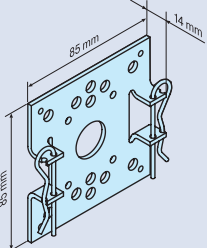

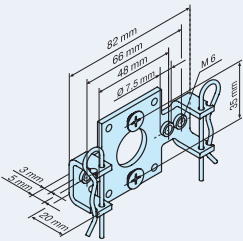

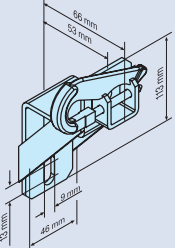

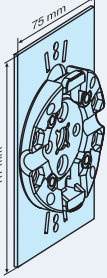

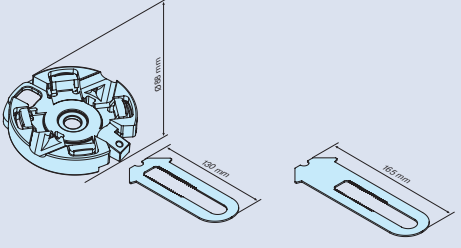



# Wall brackets, box brackets, system brackets and awning brackets

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

	Name	Application	Item number
	Wall bracket-P/R Profine with catch for Mini strip and VariNova head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 496 0
	Wall bracket-P/R SKS with catch for Mini strip and SKS head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 591 0
	Wall bracket-P/R Veka with catch for Mini strip and VEKA head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 355 0
	Wall bracket-P/R Vekavariant with catch for Mini strip and VEKAVARIANT head piece	 Drives for roller shutters R7/17 – R20/17	4930 300 419 0
	New build bracket-P/R with catch for Mini strip	 Drives for roller shutters R7/17 – R20/17	4930 300 418 0

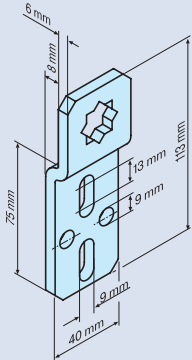

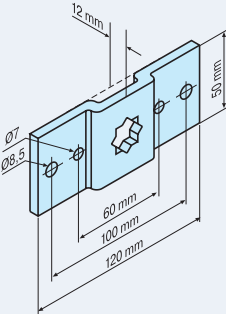

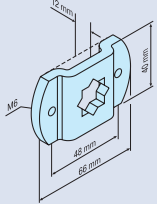

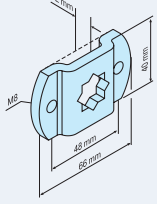

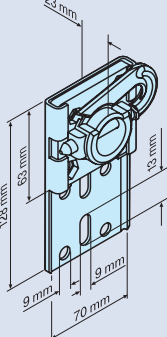



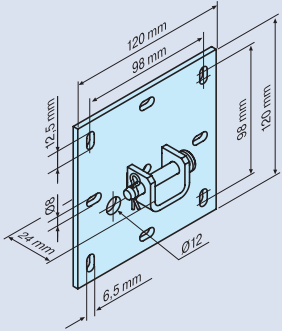

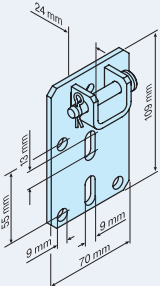

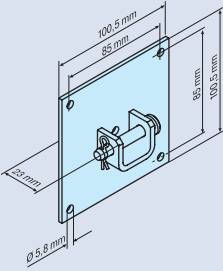

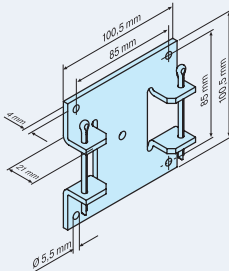

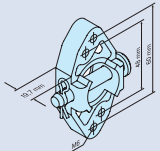


	Name	Application	Item number
	Plate bracket-R 85x85 for B-strip	 Drives for roller shutters R7/17 – R40/17	4930 200 082 0
	Plate bracket-R for B-strip	 Drives for roller shutters R7/17 – R40/17	4930 200 007 0
	Box bracket-P/R 3/20 offset for mounting pins 3/20	 Drives for roller shutters R7/17 – R40/17	4930 200 098 0
	Wall bracket-P/R with catch including plate	 Drives for roller shutters R7/17 – R20/17	4930 200 186 0
	Universal front- mounting clamp bracket for covering cap sizes 125 – 165  Universal front- mounting clamp bracket for covering cap sizes 170 – 230	 Drives for roller shutters R7/17 – R20/17	4930 200 261 0  4930 200 264 0



# Wall brackets, box brackets, system brackets and awning brackets

## Tubular drives L44/14 – L120/11

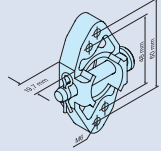

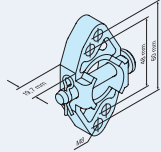

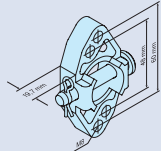

	Name	Application	Item number
	Box bracket-L Star-16 with star for mounting pins 1/16, 2/16 and 4/16	 Drives for roller shutters R12/17 – L120/11	4931 300 091 0
	Drive bracket-L Star-16 with star for mounting pins 1/16, 2/16 and 4/16	 Drives for roller shutters R12/17 – L120/11	4931 300 096 0
	Awning bracket-L Star-16 M6 with star and M6 for mounting pins 1/16, 2/16 and 4/16	 Drives for sun protection L44/14 – L120/11	4931 300 094 0
	Awning bracket-L Star-16 M8 with star and M8 for mounting pins 1/16, 2/16 and 4/16	 Drives for sun protection L44/14 – L120/11	4931 300 209 0
	Universal wall bracket-L 3/25 for mounting pins 3/25	 Drives for roller shutters L44/14 – L60/11	4931 200 006 0

	Name	Application	Item number
	Plate bracket-L B120 3/25 for mounting pins 3/25	 Drives for roller shutters L44/14 – L120/11	4931 000 607 2
	Combination bracket-L 3/25 for mounting pins 3/25	 Drives for roller shutters L44/14 – L120/11	4931 030 607 0
	Drive bracket-L Cover 3/25 for covering caps for mounting pins 3/25	 Drives for roller shutters L44/14 – L200/3	4931 200 042 0
	Plate bracket-L for B-strip	 Drives for roller shutters L44/14 – L80/11	4931 200 060 0
	Awning bracket M6 with spigot for mounting pins 3/25	 Drives for sun protection L44/14 – L80/11   Drives for conservatory shades (alternating load) L44/14 – L50/17	4931 200 049 0



# Wall brackets, box brackets, system brackets and awning brackets

## Tubular drives L44/14 – L120/11

	Name	Application	Item number
	Awning bracket M6 without spigot for mounting pins 3/25	 Drives for sun protection L44/14 – L80/11 Drives for conservatory shades (alternating load) L44/14 – L50/17	4931 010 728 0
	Awning bracket M8 with spigot for mounting pins 3/25	 Drives for sun protection L44/14 – L80/11 Drives for conservatory shades (alternating load) L44/14 – L50/17	4931 200 050 0
	Awning bracket M8 without spigot for mounting pins 3/25	 Drives for sun protection L44/14 – L80/11 Drives for conservatory shades (alternating load) L44/14 – L50/17	4931 010 726 0

# Accessories for tubular drives with crank connection

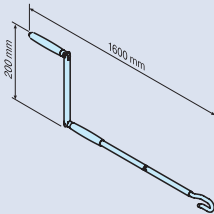


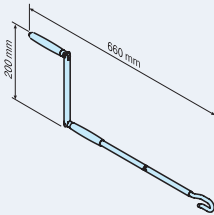


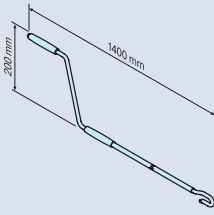


R12/17HK – L120/11HK

	Name	Application	Item number
	Eye with hexagonal rod 70-HK SW 7 mm		4930 200 131 0
	Eye with hexagonal rod 250-HK SW 7 mm		4930 200 124 0
	Eye with hexagonal rod 450-HK SW 7 mm		4930 200 125 0
	Eye with hexagonal rod 450-k-HK can be shortened, SW 7 mm		4930 200 188 0
	Extension rod 330-HK Hexagonal SW 7 mm		4931 200 073 0
	Connecting sleeve HK with internal hexa- gon, SW 7 mm		4931 200 074 0
	Pivoting bearing 90-Ö 90°, with hexago- nal rod SW 7 mm Connecting eye	 <b>Note:</b> Accessories for removable cranks only	4931 200 072 0

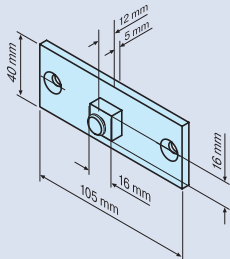


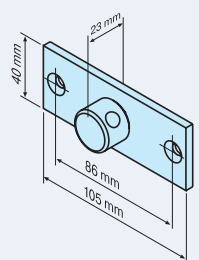
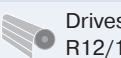
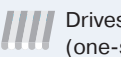


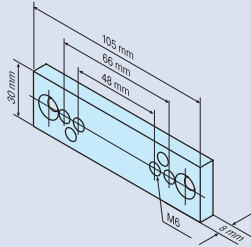

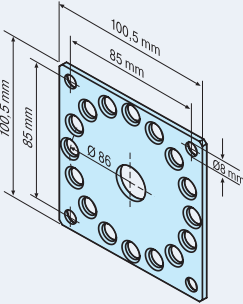

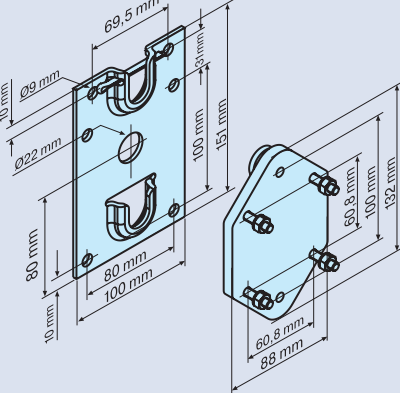

# Accessories for tubular drives with crank connection

R12/17HK – L120/11HK

	Name	Application	Item number
	Jointed crank, long	  <b>Note: Removable crank</b>	4930 200 143 0
	Jointed crank, short	  <b>Note: Removable crank</b>	4930 200 145 0
	Awning crank	  <b>Note: Removable crank</b>	4930 200 020 0

## Connecting pieces

	Name	Application	Item number
	Connecting piece-HK 16 square with 16 mm square	 Drives for roller shutters R12/17HK – L120/11HK (note the restrictions for wall brackets)  Drives for awnings R12/17HK – L120/11HK (note the restrictions for awning brackets)	4930 200 172 0
	Connecting piece-HK 3/25 with mounting pin 3/25	 Drives for roller shutters R12/17HK – L120/11HK (note the restrictions for wall brackets)  Drives for awnings (one-sided load) R12/17HK – L80/11HK (note the restrictions for awning brackets)	4931 200 085 0




	Name	Application	Item number
	<p>Awning bracket-HK M6 with fastening screws</p>	<p> Drives for sun protection L44/14 – L120/11</p>	<p>4930 200 151 0</p>
	<p>Adapter plate-HK for covering caps with fastening screws</p>	<p> Drives for roller shutters and roller doors L44/14 – L120/11</p>	<p>4930 200 149 0</p>
	<p>Plate bracket-HK with adapter plate and fastening screws</p>	<p> Drives for roller shutters and roller doors L44/14 – L120/11</p>	<p>4931 200 084 0</p>



# Accessories for blind drives

## Screw fastenings

**Note:** 4 screw fastenings, each consisting of 1 screw and spacing bush, are required to fasten one blind drive.

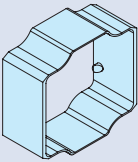

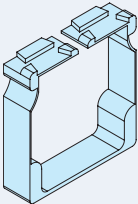

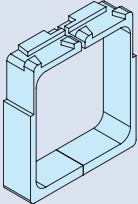

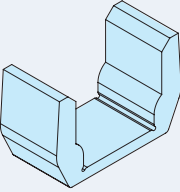

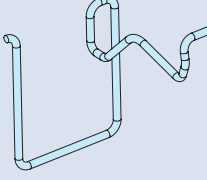



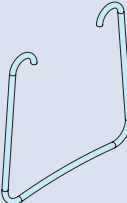

Motor type	System	Application	Screw	Spacing bush
D249/D349	HD (luxaflex), Turnils (Perma)		2005 999 055 0	2005 999 056 0
D239/D339/D539/D839	HD (luxaflex), Turnils (Perma)		2005 999 043 0	2005 999 044 0
D239/D339/D539/D839	Faber		2005 999 059 0	2005 999 060 0





## Screwless fastening material

**Note:** 2 mounting brackets and 2 mounting profiles are needed to fasten one blind drive.

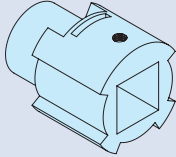

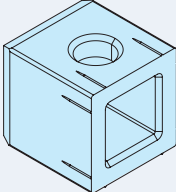

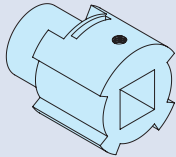

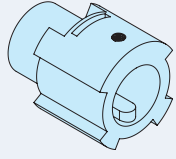

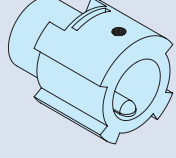

	Name	Application	Item number
	Mounting profile for HD head rail	 For drive D249 / D349 For HD head rail	2005 999 045 0
	Mounting profile in the head rail	 For drive D249 / D349 For blind drive in the head rail	2005 999 029 0
	Mounting profile wide in the head rail	 For drive D539 / D839 For blind drive in the head rail	2005 999 032 0
	Mounting profile for Schenker head rail	 For drive D249 / D349 For Schenker head rail external	2005 999 046 0
	Mounting bracket inside the head rail	 For drive D249 / D349 Clamping spring for fastening inside the head rail	2005 999 028 0
	Mounting bracket, external, narrow, 55 profile	 For drive D249 / D349 Clamping spring for fastening outside the head rail	2005 999 030 0
	Mounting bracket, external, wide	 For drive D539 / D839 Clamping spring for fastening outside the head rail	2005 999 031 0



# Accessories for blind drives

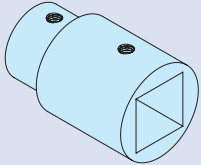

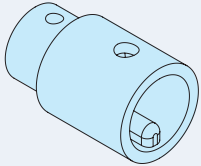

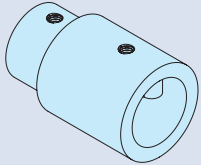

## Shaft couplings D249 / D349

**Note:** M4 x 5 DIN916 threaded pins are used to fasten the shaft coupling to the barrel.  
2 shaft couplings are needed for each application with central motors. With end motors 1 is used.

	Name	Application	Item number
	Shaft coupling Shaft form square, 12 mm	 For drive D249 / D349  Connection from the drive to the barrel of the blind	2005 999 033 0
	Used for shaft coupling Usage, square 12 mm to square 7 mm	 For drive D249 / D349  Connection from the drive to the barrel of the blind	2005 999 050 0
	Shaft coupling Shaft form square, 10 mm	 For drive D249 / D349  Connection from the drive to the barrel of the blind	2005 999 061 0
	Shaft coupling Shaft form grooved tube 14 mm, square groove	 For drive D249 / D349  Connection from the drive to the barrel of the blind	2005 999 034 0
	Shaft coupling Shaft form grooved tube 14 mm, round groove	 For drive D249 / D349  Connection from the drive to the barrel of the blind	2005 999 035 0

## Shaft couplings D839

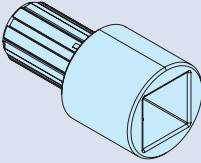

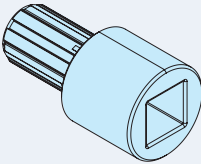

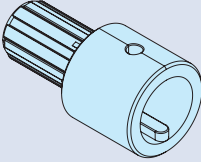

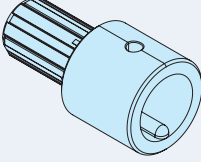

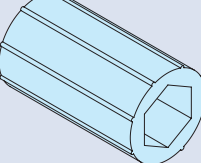

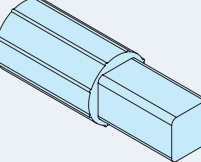

**Note:** M4 x 5 DIN916 threaded pins are used to fasten the shaft coupling to the barrel.  
2 shaft couplings are needed for each application with central motors. With end motors 1 is used.

	Name	Application	Item number
	Shaft coupling Shaft form square, 12 mm	 For drive D839  Connection from the drive to the barrel of the blind	2005 999 036 0
	Shaft coupling Shaft form grooved tube 14 mm, round groove	 For drive D839  Connection from the drive to the barrel of the blind	2005 999 038 0
	Shaft coupling Shaft form grooved tube 14 mm, square groove	 For drive D839  Connection from the drive to the barrel of the blind	2005 999 037 0

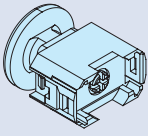

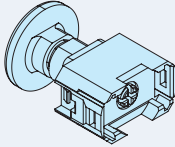

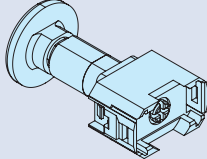

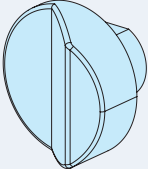

# Accessories for blind drives

## Shaft couplings D539

**Note:** M4 x 5 DIN916 threaded pins are used to fasten the shaft coupling to the barrel.  
2 shaft couplings are needed for each application with central motors. With end motors 1 is used.

	Name	Application	Item number
	Shaft coupling Shaft form square, 12 mm	 For drive D539  Connection from the drive to the barrel of the blind	2005 999 051 0
	Shaft coupling Shaft form square, 10 mm	 For drive D539  Connection from the drive to the barrel of the blind	2005 999 052 0
	Shaft coupling Shaft form grooved tube 14 mm, square groove	 For drive D539  Connection from the drive to the barrel of the blind	2005 999 063 0
	Shaft coupling Shaft form grooved tube 14 mm, round groove	 For drive D539  Connection from the drive to the barrel of the blind	2005 999 064 0
	Usage  Square 7 mm  Hexagonal 6 mm  Hexagonal 7 mm  Hexagonal 8 mm	 For drive D539  Connection from the drive to the barrel of the blind	2005 999 053 0 2005 999 039 0 2005 999 040 0 2005 999 054 0
	Used with square 8 mm bolts (Hüppe Form)	 For drive D539  Connection from the drive to the barrel of the blind	2005 999 041 0

## Button switch accessories

	Name	Application	Item number
	Switch-off button switch complete standard	 For drives of the Dx39 and Dx49 series	2005 999 042 0
	Switch-off button switch complete 10 mm extension	 For drives of the Dx39 and Dx49 series	2005 999 047 0
	Switch-off button switch complete 20 mm extension	 For drives of the Dx39 and Dx49 series	2005 999 048 0
	Control button for Z-laths	 For drives of the Dx39 and Dx49 series	2005 999 049 0

# Overview

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## Annex

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# Bracket selection list

for various lintel boxes, attachment elements or top elements for mechanical, electronic or remote drives

## 1. New construction area, predominantly for lintel boxes

Required is a:  
Universal wall bracket

Item no. 4930 200 005 0

Page 147 in the catalogue (Mechanical Accessories)

with  
mounting pin 3

Item no. 4930 300 159 0

Page 146 in the catalogue (Mechanical Accessories)

## 2. Attachment element: Mounting on the facade

Required is a:  
Universal front mounting clamp bracket 125 – 165

Item no. 4930 200 261 0

Page 151 in the catalogue (Mechanical Accessories)

or larger  
Universal front mounting clamp bracket 165 – 230

Item no. 4930 200 264 0

or  
Wall bracket with catch in combination with mini-strip for D = 35 mm or D = 45 mm tubular drives

Item no. 4930 300 382 0

with  
mounting pin 3

Item no. 4930 300 159 0

Page 146 in the catalogue (Mechanical Accessories)

## 3. Attachment element: Mounting directly on the window

Required is a:  
Wall bracket with catch in combination with mini-strip for D = 35 mm or D = 45 mm tubular drives

Item no. 4930 300 382 0

or  
a system bracket for the manufacturers: Exte, Gealan, Inoutic, Kömmerling, Profine, SKS, Thyssen and Veka  
Page 148 in the catalogue (Mechanical Accessories)

For higher torques up to 30 Nm and 40 Nm, a B-strip is required

Item no. 4930 200 235 0

Page 144 in the catalogue (Mechanical Accessories)

with plate bracket

Item no. 4930 200 007 0

Page 151 in the catalogue (Mechanical Accessories)

## 4. Retrofit for old constructions or existing behind-plaster bracket

Required is a:  
Conversion bracket 1

Item no. 4930 200 077 0

Page 147 in the catalogue (Mechanical Accessories)

or  
Conversion bracket 2

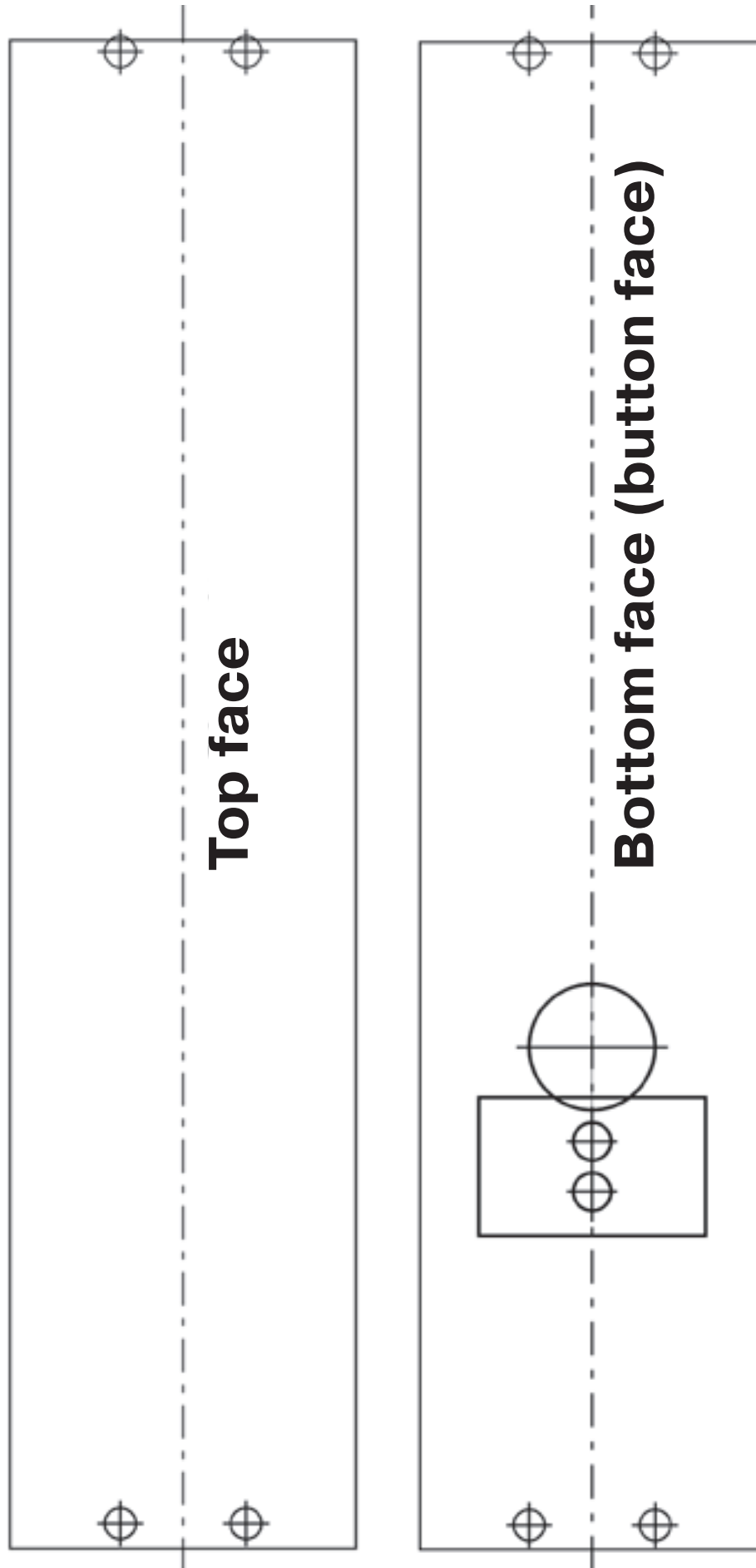
Item no. 4930 200 207 0

Page 148 in the catalogue (Mechanical Accessories)



# Drilling template D249 / D349

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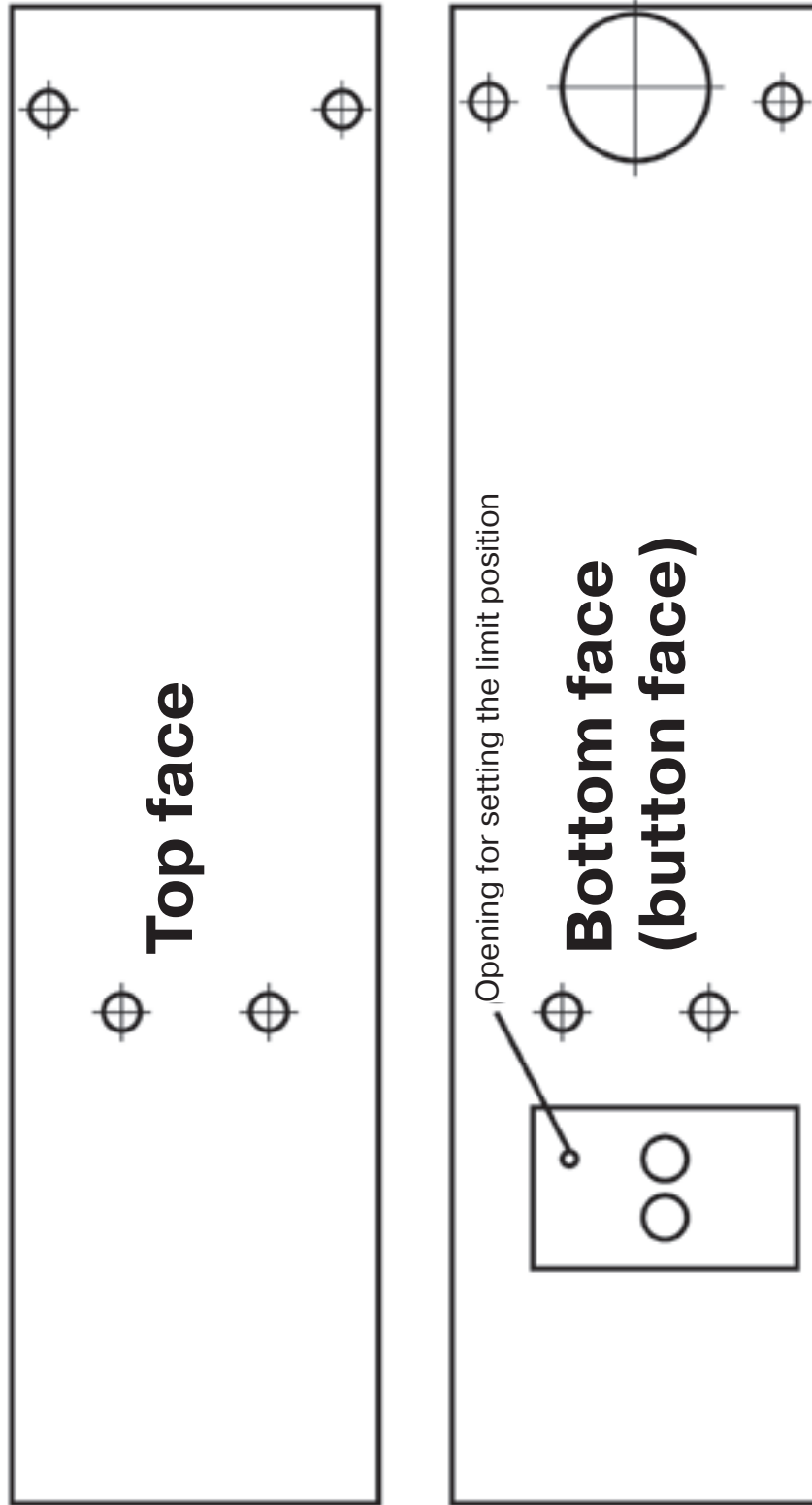






# Drilling template D139 / D439 / D539

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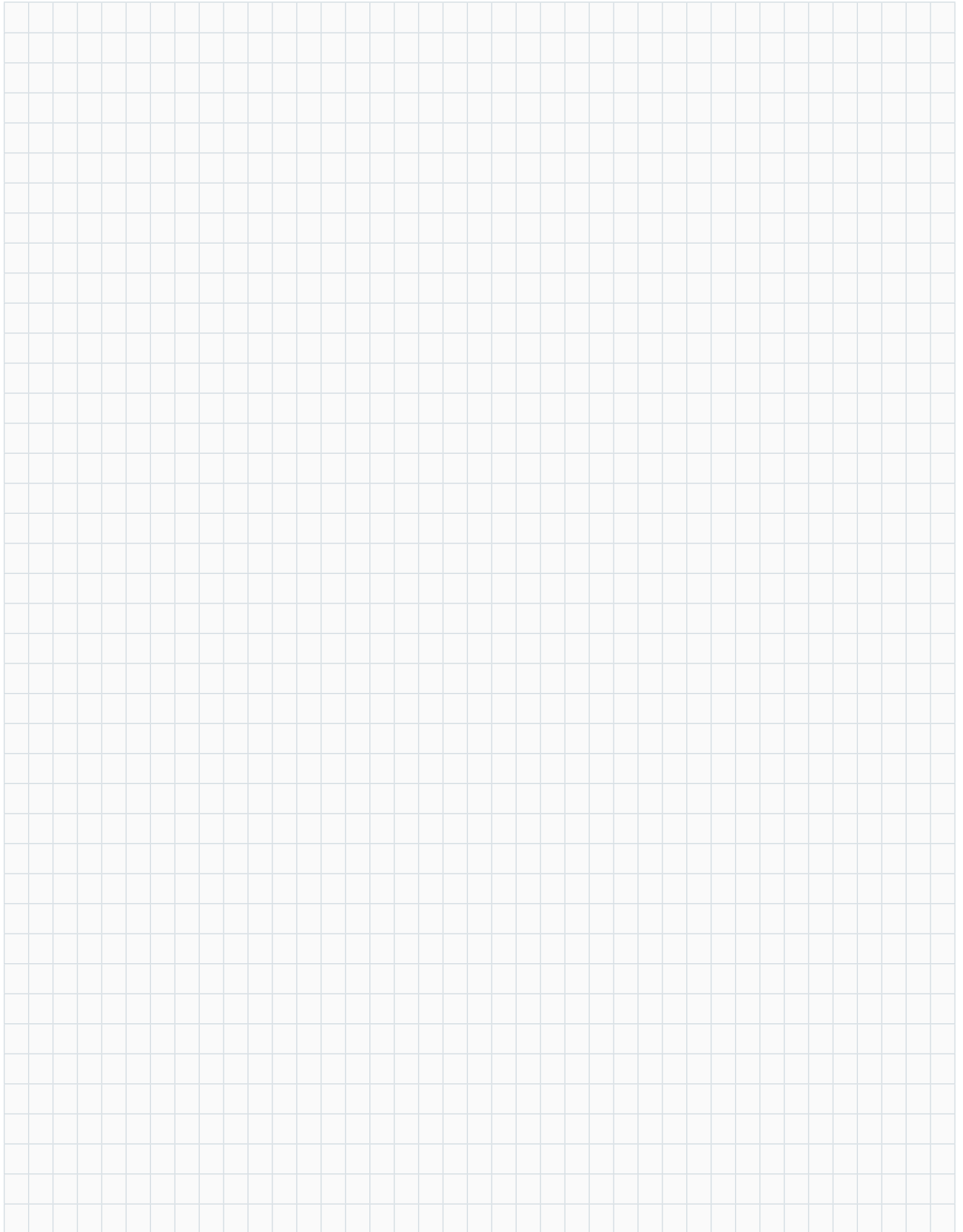


## Drilling template D739 / D839

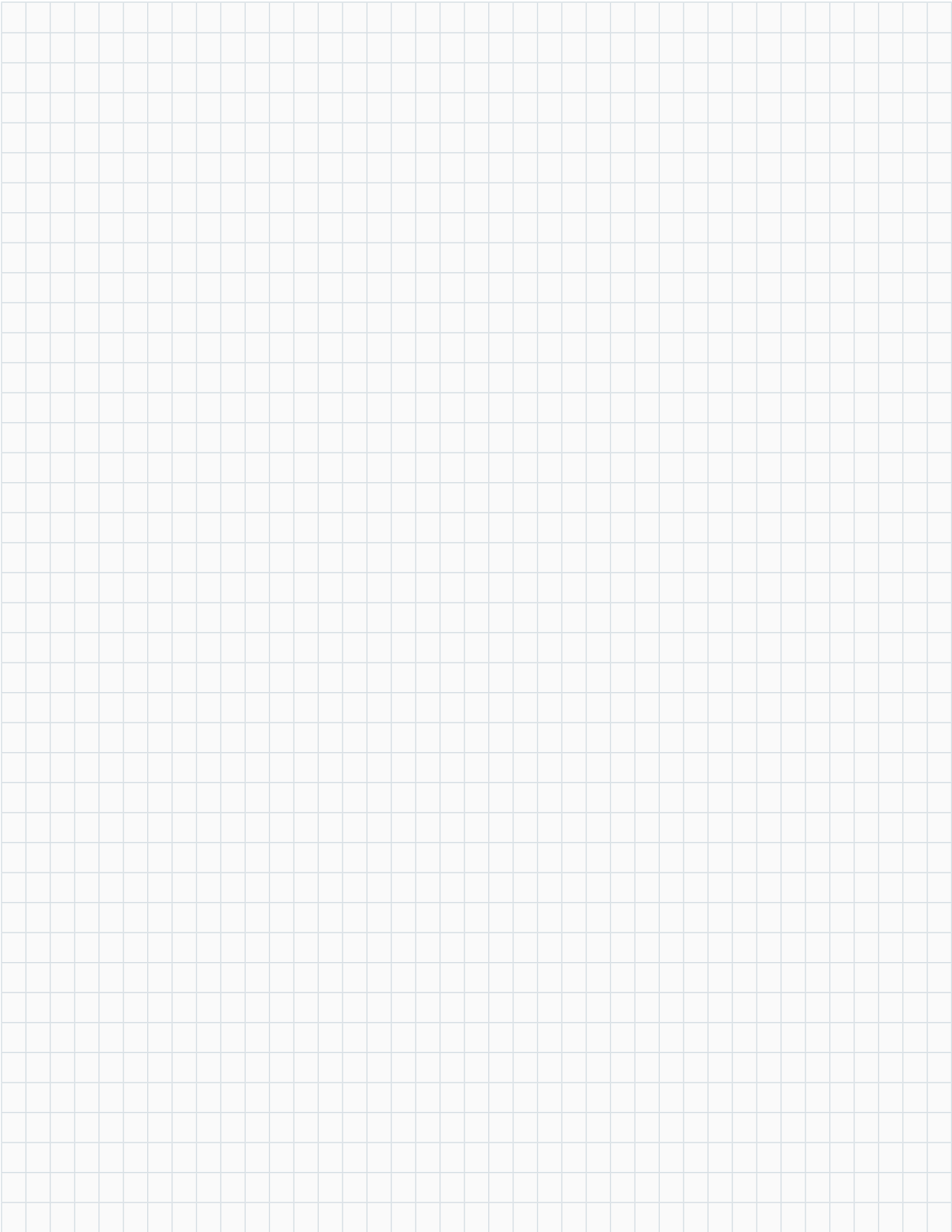




# Notes



# Notes



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# Standard conditions of sale

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**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.**





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