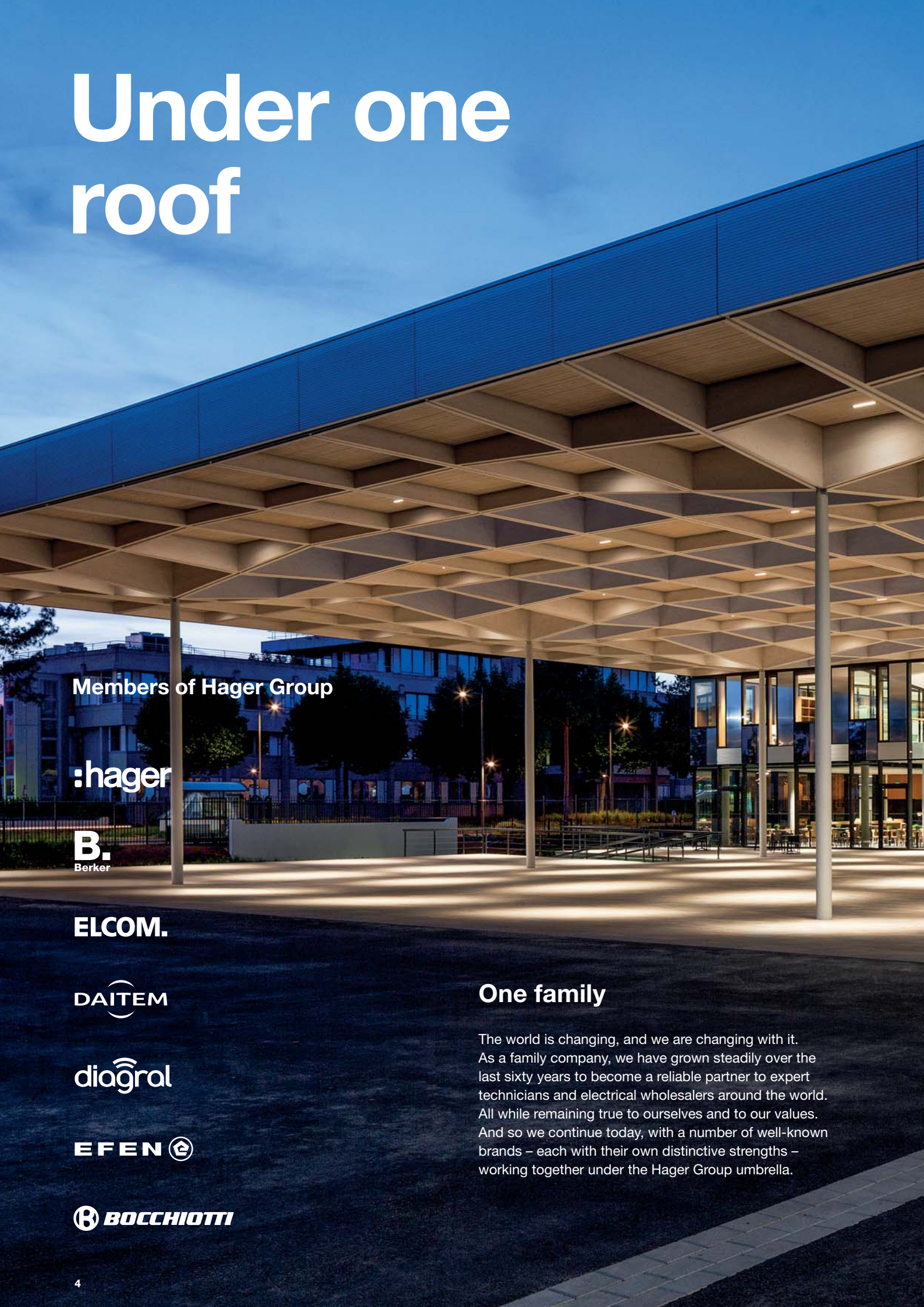
KNX solution Catalogue 2017 / 2018

hager

Your reliable partner for building automation.

Under one roof



Members of Hager Group

:hager

B. Berker

ELCOM.

DAITEM

diagral

EFEN

BOCCHIOTTI

One family

The world is changing, and we are changing with it. As a family company, we have grown steadily over the last sixty years to become a reliable partner to expert technicians and electrical wholesalers around the world. All while remaining true to ourselves and to our values. And so we continue today, with a number of well-known brands – each with their own distinctive strengths – working together under the Hager Group umbrella.

Hager Forum in Obernai, France, is a place where we can work with customers and partners to shape the future. That makes it a perfect symbol of the innovative power of Hager Group.

hagergroup

Your trust

As a partner and customer, you can choose from the entire range of products and services offered by every member of our brand family. Our new corporate image highlights our shared strengths even more clearly. From now on, each of our brands will be easily recognisable as a ‘Member of Hager Group’. The new corporate image also involves some colour and design changes. Our core promise remains the same: we will always work with you to succeed together.

Our strengths

We have huge opportunities ahead. The upcoming modernisation of existing buildings, intelligent building technology, digital services, new energy sources and technologies – all of this opens up new, exciting potential for you and for us. At the same time, business requirements are becoming more and more complex. That’s why it’s so important for you to have Hager Group specialists supporting you with all of their expertise. Together, we are stronger. Together, we will overcome the complex challenges of our time with simple, impressive solutions – just as we have been doing for the last six decades.

E3

Global warming, a shortage of natural resources, social cohesion and the transition to renewable energy: there are many challenges facing businesses and society today. Hager Group is pursuing a variety of initiatives to promote sustainable development with its “E3” approach.

Environ

E for Environment

We work continuously to reduce our carbon footprint. Our priorities include optimising the transport of our products and cutting the amount of energy we use in production to further reduce our Carbon footprint.

Ethics

E for Ethics

We need skilled, motivated and healthy employees in order to offer our customers the best services and products. That's why we provide all our team members with a safe, healthy working environment, support their professional growth and offer them opportunities for further development. We also promote diversity and adherence to an Ethics Code throughout the company.

ment

Energy

E for Energy

Hager Group helps its customers to save energy intelligently. We also analyse and optimise our products' environmental performance throughout development and production. By providing a detailed environmental profile for most of our products, we can be fully transparent with our customers and ourselves.

Technology as a friend

Hager Design turns technical products into familiar friends.

Before we start designing a new product, we think about the people it is going to serve. Will it assist or entertain, observe or protect, save time or save energy? Ideally, whatever it does, users will feel it is a reliable ‘friend’. We need to know how to connect with people on an emotional level, to ensure that in return they feel connected to our products.

Erwin van Handenhoven
Hager Group Design Director

Technology for people
Responsible design builds on an ethical foundation. At Hager, this foundation is all about respecting people and caring about their well-being. And it’s not just about today – we want to inspire our customers for years to come. That’s why we include them in every stage of the design process – from installer to planner, to end user.

An honest brand
Hager products are world-renowned for their quality, which is visibly and tangibly unveiled in their design. The unmistakeable, explicit and clear brand image tells customers straight away that these products are part of ‘the family’. This is our signature, the Hager DNA, which embodies two central principles.

Friendly, serene, balanced
An honest, authentic design that blends naturally into everyday life, without gadgets or cheap effects.

Ingeniously simple
Our products are important, but never over-the-top. If it’s not necessary, we leave it out. The essence remains. Straightforward in both form and function: simple to install, simple to use. Simply Hager!

Looking ahead to the future
Hager systems are not stagnant – they are expanding, gaining more and more visibility in our customer’s homes. This has implications for our present design language. We call it ‘New Start’. The aim of New Start is to meet our customers where they are, and carry them with us into the future: with innovative ideas, new designs and expressive materials. The new Hager catalogue is full of ‘New Starters’ – along with lots of ‘old friends’. Come and explore!


KNX city
KNX city
KNX city
KNX city
KNX city
KNX city

KNX
the strength of a standard.

Guaranteed compatibility
For over 20 years, the presence of the KNX logo on products has certified that they communicate perfectly with each other, even when they are offered by different manufacturers. This ensures a high degree of flexibility in the extension and modification of facilities.

Seamless continuity
The extent of the KNX community gives the protocol a unique power in the building automation market. Its broad range of products constitutes a set of solutions to meet all situations.

Openness, a state of mind
Various gateways are offered by the adherents of KNX to create links with other specification standards such as DALI and BACNET.

405

manufacturers
in 41 countries

409

training centres
in 67 countries

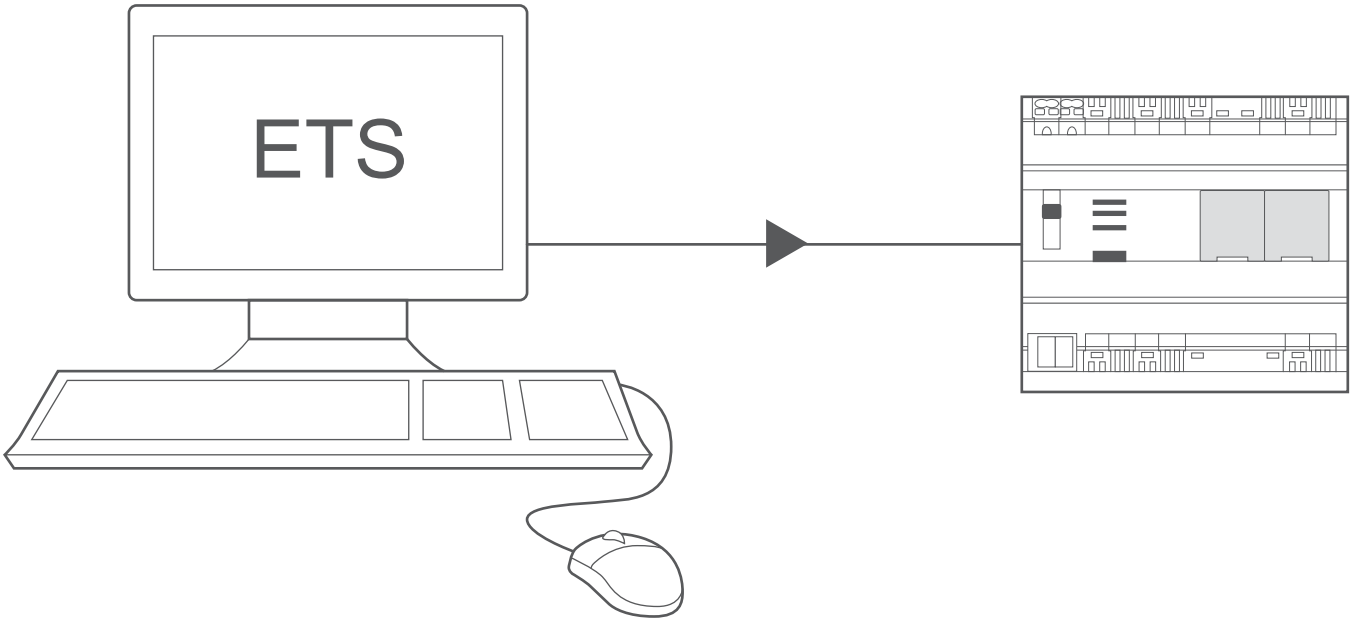
67992

KNX partners in 159 countries

* Source: knx.org

System programming
premium KNX solution

For large-scale and commercial projects requesting a whole range of functionalities, system is the most adapted solution. Our KNX system range has been developped for the most complex and demanding installations. Our wide range of KNX devices offers very advanced configuration possibilities in ETS software. The range of KNX modules consists in output devices for shutters and lighting management as well as binary modules with current measurement.



Configuration

ETS is the software used for the configuration of every KNX solution. To configure the products, the computer has to be plugged to the installation via a gateway.

The software includes many features, such as:
- easy and quick integration of wireless KNX products in the installation
- user-friendly interface
- simple database
- possibility to track changes related to the project...

Benefits

- Efficient installation: ETS 5 configuration software has become so simple and intuitive to use for a quick configuration
- A wide range of products to answer all type of projects
- Comfort as its best: possibility to set unlimited number of various scenarios
- Safer installations: would any problem occur, it is possible to troubleshoot easily and quickly

system

KNX solution catalogue

Visit our website for more information: www.hager.com

Chapters

KNX wall-mounted input devices

There are devices which want to show everyone, all the time, what they can do. And there are those all-rounders, who hide their technical perfection and spacious insert width behind a discreet surface. These include our KNX control sections, which can be integrated easily into our switch range using simply their design or using a frame.

01

Page

Push-buttons

Bus application unit flush-mounted

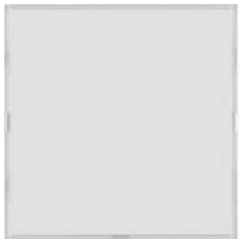
– external temperature sensor

Operating voltage over bus	21 ... 32 V=
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

– with programming button and red programming LED
– additional connection for external temperature sensor
– with integrated buzzer for acoustic identification of the device within the system
– bus connection via connecting terminal
– with spreader claws

Suitable for	Order no.	Page
Outdoor temperature sensor	EK088	39
Temperature sensor	EK090	40

Design	Order no.	PU
Bus application unit flush-mounted	**8004 00 01**	1
Bus application unit flush-mounted	**8004 00 11**	10



Push-button 1gang

– labelling field
– RGB LED
– internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and “roller shutter/blind function” predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Suitable for	Order no.	Page
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 17 80**	1
for anthracite and aluminium [1]	**8016 17 85**	1
Berker Q.1/Q.3		
white [2]	**8014 13 22**	1
polar white [2]	**8014 13 29**	1
anthracite [2]	**8014 13 26**	1
aluminium [2]	**8014 13 21**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white [3]	**8016 17 70**	1
anthracite [3]	**8016 17 76**	1
aluminium [3]	**8016 17 74**	1
stainless steel [3]	**8016 17 73**	1

[1] Labelling field length (W x H): 52.3 x 52.3 mm
[2] Dimensions (W x H): 56.4 x 56.4 mm
[3] Labelling field length (W x H): 66.8 x 52.8 mm
Every label at the right size on: configurator.hager.com

Push-button 1gang

- RGB LED
- internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

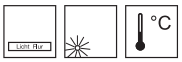
- with white operating LED
- status LED configurable in 6 colors
- brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
- operation LED can be configured via object
- operating concepts for button function and “roller shutter/blind function” predefined
- button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
- value transmitter for temperature values 2 byte
- switching of up to 64 scenes possible
- parameter defineable lock function
- function for incremental selection of up to 7 stored values
- function for manual interruption of automatic functions already triggered
- integrated temperature sensor with output of the measured values via object
- for bus coupling unit flush-mounted
- alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- with anti-dismantling protection

Suitable for	**Order no.**	**Page**
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	**8016 18 69**	1
black glossy	**8016 18 65**	1

Push-button 2gang

- labelling fields
- RGB LED
- internal temperature sensor



Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

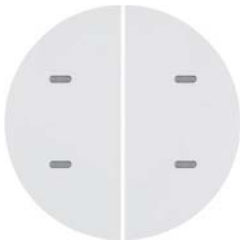
Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

- with 2 status LEDs per rocker
- with white operating LED
- status LED configurable in 6 colors
- brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
- operation LED can be configured via object
- operating concepts for button function and “roller shutter/blind function” predefined
- button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
- value transmitter for temperature values 2 byte
- switching of up to 64 scenes possible
- parameter defineable lock function
- function for incremental selection of up to 7 stored values
- function for manual interruption of automatic functions already triggered
- integrated temperature sensor with output of the measured values via object
- for bus coupling unit flush-mounted
- alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- with anti-dismantling protection

Suitable for	**Order no.**	**Page**
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 27 80**	1
for anthracite and aluminium [1]	**8016 27 85**	1
Berker Q.1/Q.3		
white [2]	**8014 23 22**	1
polar white [2]	**8014 23 29**	1
anthracite [2]	**8014 23 26**	1
aluminium [2]	**8014 23 21**	1
Berker K.1/K.5		
polar white [3]	**8016 27 70**	1
anthracite [3]	**8016 27 76**	1
aluminium [3]	**8016 27 74**	1
stainless steel [3]	**8016 27 73**	1

[1] Labelling field length (W x H): 52.3 x 24.9 mm
[2] Dimensions (W x H): 56.4 x 26.8 mm
[3] Labelling field length (W x H): 66.8 x 25 mm
Every label at the right size on: configurator.hager.com



Push-button 2gang

– RGB LED
– internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

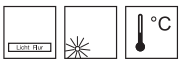
– with white operating LED
– status LED configurable in 6 colors
– brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
– operation LED can be configured via object
– operating concepts for button function and “roller shutter/blind function” predefined
– button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
– value transmitter for temperature values 2 byte
– switching of up to 64 scenes possible
– parameter defineable lock function
– function for incremental selection of up to 7 stored values
– function for manual interruption of automatic functions already triggered
– integrated temperature sensor with output of the measured values via object
– for bus coupling unit flush-mounted
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– with anti-dismantling protection

Suitable for	Order no.	Page
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	**8016 28 69**	1
black glossy	**8016 28 65**	1

Push-button 3gang

- labelling fields
- RGB LED
- internal temperature sensor



Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)

- with 2 status LEDs per rocker
- with white operating LED
- status LED configurable in 6 colors
- brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
- operation LED can be configured via object
- operating concepts for button function and “roller shutter/blind function” predefined
- button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
- value transmitter for temperature values 2 byte
- switching of up to 64 scenes possible
- parameter defineable lock function
- function for incremental selection of up to 7 stored values
- function for manual interruption of automatic functions already triggered
- integrated temperature sensor with output of the measured values via object
- for bus coupling unit flush-mounted
- alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- with anti-dismantling protection

Suitable for	Order no.	Page
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 37 80**	1
for anthracite and aluminium [1]	**8016 37 85**	1
Berker Q.1/Q.3		
white [2]	**8014 33 22**	1
polar white [2]	**8014 33 29**	1
anthracite [2]	**8014 33 26**	1
aluminium [2]	**8014 33 21**	1
Berker K.1/K.5		
polar white [3]	**8016 37 70**	1
anthracite [3]	**8016 37 76**	1
aluminium [3]	**8016 37 74**	1
stainless steel [3]	**8016 37 73**	1

[1] Labelling field length (W x H): 52.3 x 15.6 mm
[2] Dimensions (W x H): 56.4 x 17 mm
[3] Labelling field length (W x H): 66.8 x 15.7 mm
Every label at the right size on: configurator.hager.com

Push-button 4gang

- labelling fields
- RGB LED
- internal temperature sensor

Power consumption, KNX	≈ 150 mW
Operating temperature	- 5 ... + 45 °C
Current consumption	20 mA

Use only in conjunction with bus coupling unit flush-mounted (order no.: 8004 00 x1)
In the design line S.1/B.x and K.x only use in conjunction with a frame with large cut-out

- with 2 status LEDs per rocker
- with white operating LED
- status LED configurable in 6 colors
- brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
- operation LED can be configured via object
- operating concepts for button function and “roller shutter/blind function” predefined
- button functions: switching, dimming, roller shutter/blind, timer, value transmitter 2 byte, thermostat extension unit, priority, scene, automatic control deactivation
- value transmitter for temperature values 2 byte
- switching of up to 64 scenes possible
- parameter defineable lock function
- function for incremental selection of up to 7 stored values
- function for manual interruption of automatic functions already triggered
- integrated temperature sensor with output of the measured values via object
- for bus coupling unit flush-mounted
- alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- with anti-dismantling protection

Suitable for	Order no.	Page
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**8016 47 80**	1
for anthracite and aluminium [1]	**8016 47 85**	1
Berker Q.1/Q.3		
white [2]	**8014 43 22**	1
polar white [2]	**8014 43 29**	1
anthracite [2]	**8014 43 26**	1
aluminium [2]	**8014 43 21**	1
Berker K.1/K.5		
polar white [3]	**8016 47 70**	1
anthracite [3]	**8016 47 76**	1
aluminium [3]	**8016 47 74**	1
stainless steel [3]	**8016 47 73**	1

[1] Labelling field length (W x H): 52.3 x 24.9 mm
[2] Dimensions (W x H): 56.4 x 12 mm
[3] Labelling field length (W x H): 66.8 x 25 mm
Every label at the right size on: configurator.hager.com

Push-buttons with thermostat

Bus coupling unit flush-mounted

Operating voltage over bus	21 ... 32 V=
Power consumption, KNX	≈ 100 mW
Operating temperature	-5 ... +45 °C
Insertion depth	23 mm

- with programming button and red programming LED
- as interface between KNX user module and bus line
- bus connection via connecting terminal
- without spreader claws

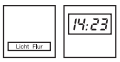
Design	Order no.	PU
Bus coupling unit flush-mounted	**7504 00 01**	1

Berker S.1/B.3/B.7, K.1/K.5 - push-buttons with thermostat

- For switch, push-button, dimmer, blind and thermostat functions
- Single and two push-button operation configurable
- One push-button operation for switching, push-buttons, blinds and dimming
- Extension unit for light scene push-button
- For individual single room temperature control
- For heating and/or cooling mode with/without auxiliary step
- Controller operating modes: comfort, standby, night and frost/heat protection mode
- LC display with symbol display
- With 2 additional function buttons for display control
- Display of operating mode, controller lockout, room and outside temperature as well as time in connection with a clock
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- With room temperature timer
- For installation in single standard wall boxes
- For continuous (PI) or switched (2-point) control of max. 2 control circuits
- With dismantling protection
- With button blocking function
- End customer display scope
- Separate object for window contact
- Programmable from ETS2, V1.2a
- Alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- Presence button configurable to extend comfort
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Push-button 2gang with thermostat

- labelling fields
- display



- with white operation LED and 4 red status LEDs

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	24

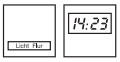
Operating temperature -5 ... +45 °C

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**7566 27 80**	1
for anthracite and aluminium [1]	**7566 27 85**	1
Berker K.1/K.5		
polar white [2]	**7566 27 70**	1
anthracite [2]	**7566 27 75**	1
aluminium [2]	**7566 27 74**	1
stainless steel [2]	**7566 27 73**	1

[1] labelling field length (W x H): 52.3 x 15.6 mm
[2] labelling field length (W x H): 66.8 x 15.7 mm
Every label at the right size on:
configurator.hager.com

Push-button 3gang with thermostat

- labelling fields
- display



Operating temperature -5 ... +45 °C

Use only in combination with frame with large cut-out.

– with white operation LED and 6 red status LEDs

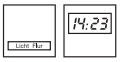
Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	24

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**7566 37 80**	1
for anthracite and aluminium [1]	**7566 37 85**	1
Berker K.1/K.5		
polar white [2]	**7566 37 70**	1
anthracite [2]	**7566 37 75**	1
aluminium [2]	**7566 37 74**	1
stainless steel [2]	**7566 37 73**	1

[1] labelling field length (W x H): 52.3 x 24.9 mm
[2] labelling field length (W x H): 66.8 x 25 mm
Every label at the right size on:
configurator.hager.com

Push-button 5gang with thermostat

- labelling fields
- display



Operating temperature -5 ... +45 °C

Use only in combination with frame with large cut-out.

– with white operation LED and 10 red status LEDs

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	24

Design	Order no.	PU
Berker S.1/B.3/B.7		
for white and polar white [1]	**7566 57 80**	1
for anthracite and aluminium [1]	**7566 57 85**	1
Berker K.1/K.5		
polar white [2]	**7566 57 70**	1
anthracite [2]	**7566 57 75**	1
aluminium [2]	**7566 57 74**	1
stainless steel [2]	**7566 57 73**	1

[1] labelling field length (W x H): 52.3 x 15.6 mm
[2] labelling field length (W x H): 66.8 x 15.7 mm
Every label at the right size on:
configurator.hager.com

Berker Q.1/Q.3 - push-buttons with thermostat and bus coupling unit

- For switch, push-button, dimmer, blind and thermostat functions
- Single and two push-button operation parameterisable
- One push-button operation for switching, push-buttons, blinds and dimming
- Extension unit for light scene push-button
- For retrieval, saving and setting of 8 light scenes
- For individual single room temperature control
- For heating and/or cooling mode with/without auxiliary step
- Controller operating modes: comfort, standby, night and frost/heat protection mode
- LC display with symbol display
- With 2 additional function buttons for display control
- Display of operating mode, controller lockout, room and outside temperature as well as time in connection with a clock
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- With room temperature timer
- For installation in single standard wall boxes
- For continuous (PI) or switched (2-point) control of max. 2 control circuits
- With dismantling protection
- With button blocking function
- End customer display scope parameterisable
- Separate object for window contact
- Programmable from ETS2, V1.2a
- Alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- Presence button parameterisable to extend comfort
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Push-button 2gang with thermostat

- labelling fields
- display
- integrated bus coupling unit

– with white operation LED and 4 amber status LEDs

Suitable for replacement	Order no.	Page
Labelling field foils for push-buttons 3gang, 2-/5gang with thermostat	9498 31 03	27

Operating temperature -5 ... +45 °C
Labelling field length (W x H) 56.4 x 17 mm

Design	Order no.	PU
Berker Q.1/Q.3		
white velvety	**7566 27 22**	1
polar white velvety	**7566 27 29**	1
anthracite velvety	**7566 27 26**	1

Push-button 3gang with thermostat

- labelling fields
- display
- integrated bus coupling unit

– with white operation LED and 6 amber status LEDs

Suitable for replacement	Order no.	Page
Labelling field foils for push-buttons 2gang, 3gang with thermostat	9498 30 02	27

Operating temperature -5 ... +45 °C
Labelling field length (W x H) 56.4 x 26.8 mm

Use only in combination with frame with large cut-out.

Design	Order no.	PU
Berker Q.1/Q.3		
white velvety	**7566 37 22**	1
polar white velvety	**7566 37 29**	1
anthracite velvety	**7566 37 26**	1

Push-button 5gang with thermostat

- labelling fields
- display
- integrated bus coupling unit

Operating temperature -5 ... +45 °C
Labelling field length (W x H) 56.4 x 17 mm

Use only in combination with frame with large cut-out.

– with white operation LED and 10 amber status LEDs

Suitable for replacement	Order no.	Page
Labelling field foils for push-buttons 3gang, 2-/5gang with thermostat	9498 31 03	27

Design	Order no.	PU
Berker Q.1/Q.3		
white velvety	**7566 57 22**	1
polar white velvety	**7566 57 29**	1
anthracite velvety	**7566 57 26**	1

Berker Q.1/Q.3 - accessories

Labelling field foils for push-buttons 2gang, 3gang with thermostat

Suitable for inkjet and laser printers.
UV-resistant.

– foil with 18 fields

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 2 ..	26

Design	Order no.	PU
polar white	**9498 30 02**	1

Labelling field foils for push-buttons 3gang, 2-/5gang with thermostat

– foil with 30 fields

Suitable for	Order no.	Page
Push-button 2gang with thermostat	7566 27 2 ..	26
Push-button 5gang with thermostat	7566 57 2 ..	27

Design	Order no.	PU
polar white	**9498 31 03**	1

Customise your own label, always at the right size, using our configuration tool:
configurator.hager.com

Push-button with bus coupling unit

Push-button modules

Push-button module 1gang

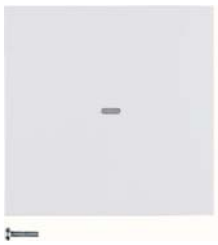
- RGB LED
- internal temperature sensor
- integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption	10 mA
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

- status LED configurable in 6 colors
- brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
- operation LED can be configured via object
- operating concepts for button function and “roller shutter/blind function” predefined
- push-button functions: switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
- value transmitter for temperature values 2 byte
- parameter defineable lock function
- function for manual interruption of automatic functions already triggered
- with programming button and red programming LED
- integrated temperature sensor with output of the measured values via object
- with integrated bus coupling unit
- bus connection via connecting terminal
- with anti-dismantling protection
- with integrated buzzer for acoustic identification of the device within the system

Suitable for	Order no.	Page
Cover for 1-gang push-button module	8096 02 ..	28
Temperature sensor	EK090	40
Optional		
Outdoor sensor	EK088	39

Design	Order no.	PU
Berker S.1/B.3/B.7		
Push-button module 1gang	**8014 11 80**	1
Berker Q.1/Q.3, K.1/K.5		
Push-button module 1gang	**8014 11 70**	1



Cover for 1gang push-button module

- clear lens
- with clear lens for RGB status display of the push-button module

Suitable for	Order no.	Page
Push-button module 1-gang	8014 11 ..	28

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 02 82**	1
polar white glossy	**8096 02 89**	1
polar white, matt, plastic	**8096 02 99**	1
anthracite, matt	**8096 02 85**	1
aluminium, matt, lacquered	**8096 02 83**	1
Berker Q.1/Q.3		
white velvety	**8096 02 22**	1
polar white velvety	**8096 02 29**	1
anthracite velvety, lacquered	**8096 02 26**	1
aluminium velvety, lacquered	**8096 02 21**	1
Berker K.1/K.5		
polar white glossy	**8096 02 79**	1
anthracite, matt	**8096 02 75**	1
aluminium, matt, lacquered	**8096 02 71**	1
stainless steel matt, lacquered	**8096 02 73**	1

Push-button module 2gang

- RGB LED
- internal temperature sensor
- integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption	10 mA
Operating temperature	- 5 ... + 45 °C
Insertion depth	32 mm

- status LED configurable in 6 colors
- brightness value of the status LED for day/nighttime operation preset, status LED for day/nighttime operation can be controlled via object
- operation LED can be configured via object
- operating concepts for button function and “roller shutter/blind function” predefined
- push-button functions: switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
- value transmitter for temperature values 2 byte
- parameter defineable lock function
- function for manual interruption of automatic functions already triggered
- with programming button and red programming LED
- integrated temperature sensor with output of the measured values via object
- with integrated bus coupling unit
- bus connection via connecting terminal
- with anti-dismantling protection

  with integrated buzzer for acoustic identification of the device within the system

Suitable for	Order no.	Page
Cover for 2-gang push-button module	8096 03 ..	29
Temperature sensor	EK090	40
Optional		
Outdoor sensor	EK088	39

Design	Order no.	PU
Berker S.1/B.3/B.7		
Push-button module 2gang	**8014 21 80**	1
Berker Q.1/Q.3, K.1/K.5		
Push-button module 2gang	**8014 21 70**	1

Cover for 2gang push-button module

- clear lenses
- with 2 clear lenses for the RGB status display of the push-button module

Suitable for	Order no.	Page
Push-button module 2-gang	8014 21 ..	29

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 03 82**	1
polar white glossy	**8096 03 89**	1
polar white, matt, plastic	**8096 03 99**	1
anthracite, matt	**8096 03 85**	1
aluminium, matt, lacquered	**8096 03 83**	1
Berker Q.1/Q.3		
white velvety	**8096 03 22**	1
polar white velvety	**8096 03 29**	1
anthracite velvety, lacquered	**8096 03 26**	1
aluminium velvety, lacquered	**8096 03 21**	1
Berker K.1/K.5		
polar white glossy	**8096 03 79**	1
anthracite, matt	**8096 03 75**	1
aluminium, matt, lacquered	**8096 03 71**	1
stainless steel matt, lacquered	**8096 03 73**	1

Motion detectors

KNX motion detector

KNX motion detector module 1.1 m

- internal temperature sensor
- integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption KNX	max. 10 mA
Nominal mounting height	1.1 m
Delay time, adjustable	10 s ... 30 min
Response brightness, adjustable	≈ 5...1000 lx, ∞ lx (day)
Detection angle, settable	each side ≈ 45 ... 90 °
Detection field, rectangular shaped	≈ 12 x 16 m
Operating temperature	- 5 ... + 45 °C

Automatic triggering of bus functions for movement within the detection area or manual control via integrated button.

Continuous direct sunlight penetrating the upward-pointing detection plane can result in failure of the motion detector.
Only suitable for indoor areas!

- with 3 operating modes: automatic/permanent ON/ permanent OFF
- Master/Slave operation for covering large detection areas
- with test mode
- with button for automatic/permanent ON/permanent OFF
- operating mode display via status LED, red/green/ orange
- two function channels for brightness-dependent functions
- additional channel for independent of brightness detector mode
- output of the brightness value via object possible
- with integrated bus coupling unit
- bus connection via connecting terminal
- with dismantling protection

Suitable for	Order no.	Page
Cover for KNX motion detector module	8096 04 ..	31

Design	Order no.	PU
Berker S.1/B.3/B.7		
KNX motion detector module 1.1 m	**8026 21 80**	1
Berker Q.1/Q.3, K.1/K.5		
KNX motion detector module 1.1 m	**8026 21 70**	1
Berker R.1/R.3		
KNX motion detector module 1.1 m	**8026 21 60**	1

KNX motion detector module 2.2 m

- internal temperature sensor
- integrated bus coupling unit

Operating voltage over bus	21 ... 32 V=
Current consumption KNX	max. 10 mA
Nominal mounting height	2.2 m
Delay time, adjustable	10 s ... 30 min
Response brightness, adjustable	≈ 5...1000 lx, ∞ lx (day)
Detection angle, settable	each side ≈ 45 ... 90 °
Detection field, rectangular shaped	≈ 8 x 12 m
Operating temperature	- 5 ... + 45 °C

Automatic triggering of bus functions for movement within the detection area or manual control via integrated button.

Continuous direct sunlight penetrating the upward-pointing detection plane can result in failure of the motion detector.
Only suitable for indoor areas!

- with 3 operating modes: automatic/permanent ON/ permanent OFF
- Master/Slave operation for covering large detection areas
- with test mode
- with button for automatic/permanent ON/permanent OFF
- operating mode display via status LED, red/green/ orange
- two function channels for brightness-dependent functions
- additional channel for independent of brightness detector mode
- output of the brightness value via object possible
- with integrated bus coupling unit
- bus connection via connecting terminal
- with dismantling protection

Suitable for	Order no.	Page
Cover for KNX motion detector module	8096 04 ..	31

Design	Order no.	PU
Berker S.1/B.3/B.7		
KNX motion detector module 2.2 m	**8026 22 80**	1
Berker Q.1/Q.3, K.1/K.5		
KNX motion detector module 2.2 m	**8026 22 70**	1

Berker R.1/R.3		
KNX motion detector module 2.2 m	**8026 22 60**	1

Cover for KNX motion detector module

Suitable for	Order no.	Page
KNX motion detector module 1.1 m	8026 21 ..	30
KNX motion detector module 2.2 m	8026 22 ..	31

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 04 52**	1
polar white glossy	**8096 04 59**	1
anthracite, matt	**8096 04 85**	1
aluminium, matt, lacquered	**8096 04 83**	1
polar white matt	**8096 04 09**	1

Berker Q.1/Q.3		
white velvety	**8096 04 22**	1
polar white velvety	**8096 04 29**	1
anthracite velvety, lacquered	**8096 04 26**	1
aluminium velvety, lacquered	**8096 04 21**	1

Berker K.1/K.5		
polar white glossy	**8096 04 79**	1
anthracite, matt	**8096 04 75**	1
aluminium, matt, lacquered	**8096 04 71**	1
stainless steel matt, lacquered	**8096 04 73**	1

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	**8096 04 60**	1
black glossy	**8096 04 65**	1

KNX motion detector module comfort 1.1 - integrated bus coupling unit

Operating voltage over bus	21 ... 29 V=
Nominal mounting height	1.1 m
Delay time adjustable	1 ... 30 min
Response brightness, adjustable	≈ 5 to 1000 lux
Detection field, rectangular shaped	≈ 10 x 10 m
Operating temperature	-5°C ... +45°C

Continuous direct sunlight penetrating the upward-pointng detection plane can result in failure of the motion detector. Only suitable for indoor areas!

Automatic triggering of bus functions for movement within the detection area or manual control via integrated button.

- push-button function: switching functions, dimming functions, blind control functions, value transmitter functions, forced control functions, scene functions
- specification of the controller operating mode
- operating mode display via status LED, red/green/orange
- operating modes: automatic, permanent ON, ON for 2 hours, permanent OFF
- two separated function channels for brightness-dependent and brightness-independent functions
- integrated button for manual control of bus functions can be configured
- with button for automatic/permanent ON/ON for 2 hours/permanent OFF
- bus connection via connecting terminal
- with dismanting protection

Suitable for	**Order no.**	**Page**
Cover for KNX motion detector module	7596 28 6.	32

Design	Order no.	PU
KNX motion dectector module comfort 1.1 m	**7524 20 60**	1

Cover for KNX motion detector module

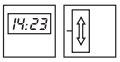
Suitable for	**Order no.**	**Page**
KNX motion detector module comfort 1.1 m	7524 20 60	32

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	**7596 28 69**	1
black glossy	**7596 28 65**	1

KNX thermostat and room controller

KNX thermostat

– display
– integrated bus coupling unit



Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Energy efficiency class	IV (2%)
TFT screen size	1.93"
Operating temperature	- 5 ... + 45 °C
Dimensions of display (W x H)	38.3 x 30.3 mm
Insertion depth	32 mm

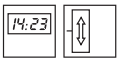
– for individual single room temperature control
– control parameter for heating/cooling unit pre-set
– operating mode heating, cooling or heating/cooling can be selected
– comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
– switching PI-control (PWM) or switching 2-point control can be selected
– heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected
– cooling type cooling ceiling, convector fan or split unit can be selected
– switching of up to 64 scenes possible
– with keylock
– with holiday switching
– with frost protection function
– additional connection for external temperature sensor
– temperature measurement via internal, external temperature sensor or via object and their mean value formation
– temperature adjustable for comfort, standby and night-time reduction
– operation via sensitive Touch control surface
– to display and initiate actions
– display of operating mode, controller lockout, room/outside temperature, time
– screensavers
– TFT colour display with symbol display
– time and date display
– menu guidance in DE/EN/FR/NL/IT/ES/PT/PL/DK/SV/FI/NO/TR
– with integrated bus coupling unit
– bus connection via connecting terminal
– with spreader claws

Suitable for	**Order no.**	**Page**
Cover for KNX thermostats and room controllers	8096 01 ..	34
Power supply 1x30V, 320 mA + 1x24V, 640 mA RMD	TXA114	137
Electrical power supply 24 V DC RMD	TGA200	138
Optional		
Temperature sensor	EK090	40
Outdoor temperature sensor	EK088	39

Design	Order no.	PU
KNX thermostat	**8044 01 00**	1

KNX room controller

– display
– integrated bus coupling unit



Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Energy efficiency class	IV (2%)
TFT screen size	1.93"
Operating temperature	- 5 ... + 45 °C
Dimensions of display (W x H)	38.3 x 30.3 mm
Insertion depth	32 mm

– for individual single room temperature control
– control parameter for heating/cooling unit pre-set
– operating mode heating, cooling or heating/cooling can be selected
– comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
– switching PI-control (PWM) or switching 2-point control can be selected
– heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected
– cooling type cooling ceiling, convector fan or split unit can be selected
– push-button functions: switching, dimming, roller shutter/blind, value transmitter 2 byte, thermostat, scene, priority
– switching of up to 64 scenes possible
– with keylock
– with holiday switching
– with frost protection function
– function for manual interruption of automatic functions already triggered
– additional connection for external temperature sensor
– temperature measurement via internal, external temperature sensor or via object and their mean value formation
– temperature adjustable for comfort, standby and night-time reduction
– operation via sensitivouch control surface
– to display and initiate actions
– display of operating mode, controller lockout, room/outside temperature, time
– screensavers
– TFT colour display with symbol display
– time and date display
– menu guidance in DE/EN/FR/NL/IT/ES/PT/PL/DK/SV/FI/NO/TR
– with integrated bus coupling unit
– bus connection via connecting terminal
– with spreader claws

Suitable for	**Order no.**	**Page**
Cover for KNX thermostats and room controllers	8096 01 ..	34
Power supply 1x30V, 320 mA + 1x24V, 640 mA RMD	TXA114	137
Electrical power supply 24 V DC RMD	TGA200	138
Optional		
Temperature sensor	EK090	40
Outdoor temperature sensor	EK088	39

Design	Order no.	PU
KNX room controller	**8066 01 00**	1

Cover for KNX thermostats and room controllers

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8096 01 82**	1
polar white glossy	**8096 01 89**	1
polar white, matt, plastic	**8096 01 80**	1
anthracite, matt	**8096 01 85**	1
aluminium matt, lacquered	**8096 01 83**	1

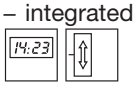
Berker Q.1/Q.3		
white velvety	**8096 01 22**	1
polar white velvety	**8096 01 29**	1
anthracite velvety, lacquered	**8096 01 26**	1
aluminium velvety, lacquered	**8096 01 21**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	**8096 01 79**	1
anthracite, matt	**8096 01 75**	1
aluminium, matt, lacquered	**8096 01 71**	1
stainless steel matt, lacquered	**8096 01 73**	1

KNX Touch Control

KNX Touch Control

– display
– integrated bus coupling unit



Operating voltage via bus	21/32 V DC
Auxiliary voltage	12/40 V DC
TFT screen size	3.5"
Display resolution	320 x 240 px
Power consumption, KNX	˜ 1 mW
Operating temperature	0/50 °C
Assembly height	25,5 mm
Dimensions (W x H x D)	95/75/44 mm

- up to 10 pages for operating elements and display selection from 37 predefined layouts
- capacitive 3.5" touch display, resolution of 320 x 240 pixels
- integrated proximity sensor for quick activation of the display from standby mode and for triggering functions via a corresponding communication object
- integrated brightness sensor for automatic adjustment of the display lighting
- integrated scene control (16 scenes), timer, alarm clock
- 5 automatic channels for regulation and control (e.g. room temperature control via the KNX temperature sensor of the new push-button sensors)
- 4 AND as well as 4 OR logic gates with 4 inputs each (communication objects)
- 4 inputs for binary contact or temperature sensor
- microSD card slot e.g. as memory for image data for screen saver
- icons for display can be replaced (icon library, microSD card)

Suitable for	**Order no.**	**Page**
Cover for KNX thermostats and room controllers	8096 01 ..	34
Power supply 1x30V, 320 mA + 1x24V, 640 mA RMD	TXA114	137
Electrical power supply 24 V DC RMD	TGA200	138
Optional		
Temperature sensor	EK090	40
Outdoor temperature sensor	EK088	39

Design	Order no.	PU
KNX Touch Control	**7574 01 01**	1

Angular design frame		
polar white matt	**1319 19 09**	1
stainless steel matt finish	**1319 22 04**	1
black, glossy	**1319 22 45**	1
aluminium, anodised	**1319 22 84**	1
stainless steel brushed	**1319 36 06**	1
white matt	**1319 60 99**	1
glass, aluminium	**1319 64 14**	1
aluminium matt, lacquered	**1319 64 24**	1
glass, black	**1319 66 16**	1
glass, polar white	**1319 69 09**	1
anthracite, matt	**1319 70 06**	1
polar white, glossy	**1319 70 09**	1
white, glossy	**1319 89 82**	1

Round design frame		
stainless steel matt finish	**1319 21 04**	1
glass, polar white	**1319 21 09**	1
glass, black	**1319 21 16**	1
black, glossy	**1319 21 45**	1
aluminium, anodised	**1319 21 84**	1
polar white, glossy	**1319 21 89**	1
white matt	**1319 60 82**	1
aluminium matt, lacquered	**1319 60 84**	1
anthracite matt	**1319 60 86**	1
polar white matt	**1319 60 89**	1

KNX EnOcean

EnOcean wireless wall-transmitter module

Number of wireless channels	2
Wireless transmission frequency	868.3 MHz
Wireless transmission range (free field)	max. 300 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-25 to +65°C
Relative humidity	0 ... 95%

- single-surface operation in conjunction with suitable wireless receivers
- for the transmission of switching, dimming or blind commands to the wireless receiver of the EnOcean system
- each channel can be assigned to any number of wireless receivers
- provision of transmission energy through conversion of the mechanical energy on button actuation
- batteryless, maintenance-free device without external power supply
- with fitting material
- mounting with frames on even surface, e.g. also for extension of combinations
- for screw or adhesive fixing

Suitable for	Order no.	Page
Optional		
KNX EnOcean gateway AP	TYC120	37

Design	Order no.	PU
En Ocean wireless	**2411 12 00**	1

Rocker for EnOcean wireless wall-transmitter module

Suitable for	Order no.	Page
EnOcean wireless wall-transmitter module	2411 12 00	36

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**2411 11 89**	10
polar white glossy	**2411 11 09**	10
anthracite, matt	**2411 11 06**	10

Rocker with imprinted arrows symbol for EnOcean wireless wall-transmitter module

Suitable for	Order no.	Page
EnOcean wireless wall-transmitter module	2411 12 00	36

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**2411 12 89**	10
polar white glossy	**2411 12 09**	10
anthracite, matt	**2411 12 06**	10

Rocker 2gang for EnOcean wireless walltransmitter module

Suitable for	Order no.	Page
EnOcean wireless wall-transmitter module	2411 12 00	36

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**2412 11 89**	10
polar white glossy	**2412 11 09**	10
anthracite, matt	**2412 11 06**	10

Rocker 2gang with imprinted arrows symbol for EnOcean wireless wall-transmitter module

Suitable for	Order no.	Page
EnOcean wireless wall-transmitter module	2411 12 00	36

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**2412 12 89**	10
polar white glossy	**2412 12 09**	10
anthracite, matt	**2412 12 06**	10

Rocker 2gang on one side with imprinted arrows symbol for EnOcean wireless walltransmitter module gang with imprinted arrows symbol

Suitable for	Order no.	Page
EnOcean wireless wall-transmitter module	2411 12 00	36

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**2412 13 89**	10
polar white glossy	**2412 13 09**	10
anthracite, matt	**2412 13 06**	10

KNX EnOcean Gateway surface-mounted

Operating voltage over bus	21 ... 32V=
Current consumption	ca. 12mA
Wireless transmission/reception frequency	868.3MHz (ASK)
Number of function channels	32
Operating temperature	-5 ... +45°C
Relative humidity	5 ... 93%
Dimensions	81 x 81 x 25mm

Bi-directional gateway for transmission of EnOcean wireless signals to the KNX bus or of KNX telegrams into the EnOcean system.

- each channel can be configured with different functions
- EnOcean receiver functions for conversion into KNX telegrams: including switching, dimming, blind, light scene, window contacts, temperature values, brightness values, presence simulation, room control devices
- EnOcean transmission functions for the conversion of KNX telegrams: switching, dimming, blind, valve drives
- logic and control functions
- teaching-in of the wireless components using the buttons and display
- LC display for commissioning and system diagnostics
- with programming button and red programming LED
- with integrated repeater for EnOcean transmission commands
- bus connection via connecting terminal
- installation possible on flush-mounted box

Suitable for	Order no.	Page
EnOcean wireless wall-transmitter module	2411 12 00	36

Design	Order no.	PU
white	**TYC120**	10

Sensors

Thermostat

- For individual single room temperature control
- For heating and/or cooling mode
- Heating or cooling possible in 2 stages
- Bus connection via connecting terminal
- For continuous (PI) or switched (2-point) control
- With dismantling protection
- 4 binary inputs or 2-3 binary inputs and 1-2 outputs parameterisable
- With 4 independent binary inputs for potential-free contacts e.g. window magnetic contact
- Behaviour can be defined for bus voltage return
- Binary inputs / outputs with screw terminals
- Valve protection can be defined

KNX thermostat

- setting knob
- integrated bus coupling unit

Output current per channel	max. 0.8 mA
Set value control by setting knob	± 0 ... 5 K
Operating temperature	-5 ... +45 °C
Cable length, inputs/outputs	max. 5 m
Sensor cable length	50 m

Binary input 4 parameter defineable for temperature sensor, order no. 161.

- operating modes:comfort, standby, night lowering, frost/heat protection, dewpoint displayed with LED
- with presence button for switching between comfort and standby mode
- with programming button and red programming LED
- presence button and setting knob can be programmed to have no functions
- with status LEDs: red for heating, blue for cooling and yellow for activation
- without spreader claws

Suitable for optional	Order no.	Page
Temperature sensor	161	39

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**7544 11 52**	1
polar white glossy	**7544 11 59**	1
polar white matt	**7544 11 89**	1
anthracite matt	**7544 11 85**	1
aluminium matt, lacquered	**7544 11 83**	1

Berker Q.1/Q.3		
white velvety	**7544 11 22**	1
polar white velvety	**7544 11 29**	1
anthracite velvety, lacquered	**7544 11 26**	1
aluminium	**7544 11 24**	1

Berker K.1/K.5		
polar white glossy	**7544 11 79**	1
anthracite matt, lacquered	**7544 11 75**	1
aluminium matt, lacquered	**7544 11 71**	1
stainless steel matt, lacquered	**7544 11 73**	1

KNX room thermostat

- integrated bus coupling unit

Power supply	bus KNX/EIB 30V DC TBTS
Power consumption	< 10 mA
Operating temperature	0 °C ... +45 °C
Protection type	IP21

Binary input 3 parameter defineable for temperature sensor, order EK087.

- operating modes: comfort, standby, night lowering, frost/heat protected, dewpoint
- with programming button and programming LED
- red/blue LED (red for heating and blue for cooling)
- one input allows a floor temperature probe to be connected.

Suitable for optional	Order no.	Page
Temperature sensor	EK0..	39

Design	Order no.	PU
white	**TX320**	1

KNX object thermostat

- integrated bus coupling unit

Output current per channel	max. 0.8 mA
Operating temperature	-5 ... +45 °C
Cable length, inputs/outputs	max. 5 m
Sensor cable length	50 m

Binary input 4 parameter defineable for temperature sensor, order no. 161.

– operating modes: comfort, standby, night lowering, frost/heat protected, dewpoint
– with programming button and red programming LED
– without spreader claws

Suitable for optional	Order no.	Page
Temperature sensor	161	39

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**7544 12 52**	1
polar white glossy	**7544 12 59**	1
polar white matt	**7544 12 89**	1
anthracite matt	**7544 12 85**	1
aluminium matt, lacquered	**7544 12 83**	1

Berker Q.1/Q.3		
white velvety	**7544 12 22**	2
polar white velvety	**7544 12 29**	1
anthracite velvety, lacquered	**7544 12 26**	1
aluminium	**7544 12 24**	1

Berker K.1/K.5		
polar white glossy	**7544 12 79**	1
anthracite matt, lacquered	**7544 12 75**	1
aluminium, aluminium anodised	**7544 12 71**	1
stainless steel, metal matt finish	**7544 12 73**	1

Temperature sensor

Characteristic resistance value at 25 °C	33 kΩ
Sensor cable length	4 m

– as replacement or function extension of products with suitable connection, such as thermostat, glass sensors or KNX thermostat

Suitable for	Order no.	Page
Glass sensors comfort		88
Glass sensors with thermostat		90
KNX thermostat		38
KNX object thermostat		39

Design	Order no.	PU
temperature sensor	**161**	1

Temperature sensor

Characteristic resistance value at 25 °C	100 kΩ
Max. distance between probe and thermostat	10 m
Sensor cable length	4 m

Suitable for	Order no.	Page
KNX room thermostat	TX320	38

Design	Order no.	PU
temperature sensor	**EK087**	1

Temperature sensors

Design	Order no.	PU
outdoor sensor	**EK088**	1
indoor sensor	**EK089**	1

Temperature sensor

Characteristic resistance value at 25 °C	10 kΩ
Operating temperature	- 40 ... + 80 °C
Sensor cable length	4 m

– as replacement or function extension of products with suitable connection, such as thermostat, glass sensors or KNX thermostat

Suitable for	Order no.	Page
Push-button module 1gang	8014 11 ..	28
Push-button module 2gang	8014 21 ..	29
KNX thermostat	8044 01 00	33
KNX room controller	8066 01 00	34
Bus application unit flush-mounted	8004 00 ..	18

Design	Order no.	PU
Temperature sensor	**EK090**	1

CO2 Sensors

CO2 Sensors

- integrated bus coupling unit

Rated voltage KNX	DC 21 ... 32 V SELV
Current consumption KNX	typical 12.5 mA
Operating temperature	-5 ... +45 °C
CO2 sensor measuring range	0 ... 2000 ppm
Humidity sensors measuring range	10 ... 95 %
Temperature sensors measuring range	-5 ... +45 °C

Output of the measured values as telegram to the bus, e.g. for controlling fans or window drives via KNX telegrams.
Recommendation: Use deep accessory sockets.
The optimum installation height is approx. 1.5 m.

- measurement of CO2 concentration, relative air humidity and air temperature
- operating modes Comfort, Standby, Night operation, Frost/heat protection
- dew point alarm for, for example, cooling blankets and conservatories, to avoid possible mould formation
- max of 4 different adjustable CO2 threshold values
- measurement of room temperature and comparison with setpoint temperature
- max of 2 adjustable humidity threshold values
- programming button and LEDs
- functions: dimming, shutter control, light scene extension unit, brightness or temperature value transmitter.
- inputs lockable in operation

Suitable for	Order no.	Page
Temperature sensor	161	39

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**7544 13 52**	1
polar white glossy	**7544 13 59**	1
polar white matt	**7544 13 89**	1
anthracite matt	**7544 13 85**	1
aluminium matt, lacquered	**7544 13 83**	1

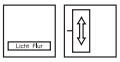
Berker Q.1/Q.3		
white velvety	**7544 13 22**	1
polar white velvety	**7544 13 29**	1
anthracite velvety, lacquered	**7544 13 26**	1
aluminium	**7544 13 24**	

Berker K.1/K.5		
polar white glossy	**7544 13 79**	1
anthracite matt, lacquered	**7544 13 75**	1
aluminium, aluminium anodised	**7544 13 71**	1
stainless steel, metal matt finish	**7544 13 73**	1

systo KNX

systo KNX

– labeling field
– integrated bus coupling unit



Rated voltage KNX	DC 21...32V SELV
Current consumption KNX	type 20mA
Degree of protection	IP20
Operating temperature	5/45 °C
Storage temperature	20/70 °C
Dimensions (W x H x D)	45/45/17 mm

- available in 3 colours: white, alu or black
- 2, 4 or 6 push-buttons versions
- push-button functions: switching/dimming, blind control, value transmitter, scene call-up, specification of the heating operating mode, forced control, sleeping switch and comparator function
- integrated bus coupling unit
- labeling field
- versions with LED and backlight available
- versions with IR receiver also available

Design	Order no.	PU
2 push-buttons		
white	**WST302**	1
black	**WST302N**	1
alu	**WST302T**	1

4 push-buttons		
white	**WST304**	1
black	**WST304N**	1
alu	**WST304T**	1

6 push-buttons		
white	**WST306**	1
black	**WST306N**	1
alu	**WST306T**	1

2 push-buttons with LED		
white	**WST312**	1
black	**WST312N**	1
alu	**WST312T**	1

4 push-buttons with LED		
white	**WST314**	1
black	**WST314N**	1
alu	**WST314T**	1

6 push-buttons with LED		
white	**WST316**	1
black	**WST316N**	1
alu	**WST316T**	1

2 push-buttons with LED and IR receiver		
white	**WST322**	1
black	**WST322N**	1
alu	**WST322T**	1

4 push-buttons with LED and IR receiver		
white	**WST324**	1
black	**WST324N**	1
alu	**WST324T**	1

systo PIR sensor KNX bus 2 channels

Detection angle	180°
Response brightness	5 ... 1000 lux
Delay time	10 s to 30 min
Current consumption KNX	10 mA

Design	Order no.	PU
white	**WST502**	1
black	**WST502N**	1
alu	**WST502T**	1

Berker S.1 frames

White frames

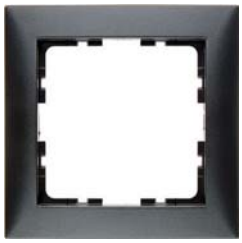
– for vertical and horizontal mounting

Design	Order no.	PU
glossy, 1gang	**1011 89 82**	10
glossy, 2gang	**1012 89 82**	10
glossy, 3gang	**1013 89 82**	10
glossy, 4gang	**1014 89 82**	2
glossy, 5gang	**1015 89 82**	2

Polar white frames

– for vertical and horizontal mounting

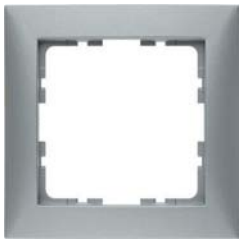
Design	Order no.	PU
glossy, 1gang	**1011 89 89**	10
glossy, 2gang	**1012 89 89**	10
glossy, 3gang	**1013 89 89**	10
glossy, 4gang	**1014 89 89**	2
glossy, 5gang	**1015 89 89**	2
matt, 1gang	**1011 99 09**	10
matt, 2gang	**1012 99 09**	10
matt, 3gang	**1013 99 09**	10
matt, 4gang	**1014 99 09**	10
matt, 5gang	**1015 99 09**	2



Anthracite frames

– for vertical and horizontal mounting

Design	Order no.	PU
matt, 1gang	**1011 99 49**	10
matt, 2gang	**1012 99 49**	10
matt, 3gang	**1013 99 49**	10
matt, 4gang	**1014 99 49**	2
matt, 5gang	**1015 99 49**	2



Aluminium frames

– for vertical and horizontal mounting

Design	Order no.	PU
matt, 1gang	**1011 99 39**	10
matt, 2gang	**1012 99 39**	10
matt, 3gang	**1013 99 39**	10
matt, 4gang	**1014 99 39**	2
matt, 5gang	**1015 99 39**	2

Red frames

– for emphasising special switches, socket outlets, etc.
– for vertical and horizontal mounting

Design	Order no.	PU
glossy, 1gang	**1011 89 62**	10
glossy, 2gang	**1012 89 62**	2
glossy, 3gang	**1013 89 62**	2
glossy, 4gang	**1014 89 62**	2
glossy, 5gang	**1015 89 62**	2

White frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
glossy, 1gang	**1011 89 12**	10
glossy, 2gang vertical	**1012 89 12**	10
glossy, 3gang vertical	**1013 89 12**	10
glossy, 2gang horizontal	**1022 89 12**	10
glossy, 3gang horizontal	**1023 89 12**	10

Polar white frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
glossy, 1gang	**1011 89 19**	10
glossy, 2gang vertical	**1012 89 19**	10
glossy, 3gang vertical	**1013 89 19**	10
glossy, 2gang horizontal	**1022 89 19**	10
glossy, 3gang horizontal	**1023 89 19**	10
matt, 1gang	**1011 99 19**	10
matt, 2gang vertical	**1012 99 19**	10
matt, 3gang vertical	**1013 99 19**	10
matt, 2gang horizontal	**1022 99 19**	10
matt, 3gang horizontal	**1023 99 19**	10

Anthracite frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
matt, 1gang	**1011 99 69**	10
matt, 2gang vertical	**1012 99 69**	10
matt, 3gang vertical	**1013 99 69**	10
matt, 2gang horizontal	**1022 99 69**	10
matt, 3gang horizontal	**1023 99 69**	10

Aluminium frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
matt, 1gang	**1011 99 59**	10
matt, 2gang vertical	**1012 99 59**	10
matt, 3gang vertical	**1013 99 59**	10
matt, 2gang horizontal	**1022 99 59**	10
matt, 3gang horizontal	**1023 99 59**	10

Frames with large cut-out

– For vertical mounting
– Not suitable for surface-mounted housing.

White frame with large cut-out

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
glossy	**1309 89 82**	10

Polar white frames with large cut-out

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
glossy	**1309 89 89**	10
matt	**1309 99 09**	10

Anthracite frame with large cut-out

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
matt	**1309 99 49**	10

Aluminium frame with large cut-out

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

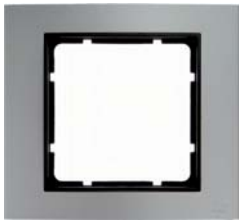
Design	Order no.	PU
matt	**1309 99 39**	10

Berker B.3 frames

– For vertical and horizontal mounting
– Metal, aluminum profile

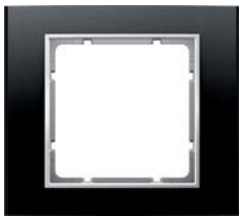
Aluminium/polar white matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 39 04**	10
2gang	**1012 39 04**	10
3gang	**1013 39 04**	10
4gang	**1014 39 04**	2
5gang	**1015 39 04**	2



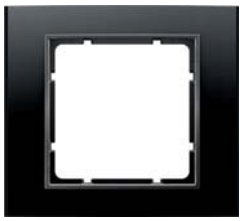
Aluminium/anthracite matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 04**	10
2gang	**1012 30 04**	10
3gang	**1013 30 04**	10
4gang	**1014 30 04**	2
5gang	**1015 30 04**	2



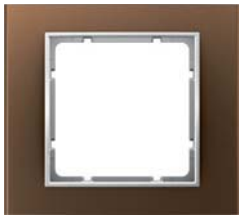
Aluminium black/polar white matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 25**	10
2gang	**1012 30 25**	10
3gang	**1013 30 25**	10
4gang	**1014 30 25**	2
5gang	**1015 30 25**	2



Aluminium black/anthracite matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 05**	10
2gang	**1012 30 05**	10
3gang	**1013 30 05**	10
4gang	**1014 30 05**	2
5gang	**1015 30 05**	2

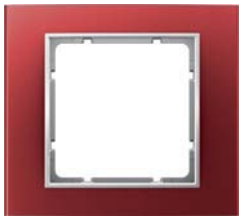


Aluminium brown/polar white matt, aluminium anodised, frames

Design	Order no.	PU
1gang	**1011 30 21**	10
2gang	**1012 30 21**	10
3gang	**1013 30 21**	10
4gang	**1014 30 21**	2
5gang	**1015 30 21**	2

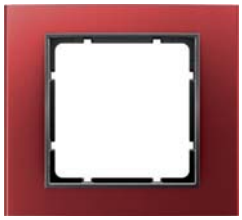
Aluminium brown/anthracite matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 01**	10
2gang	**1012 30 01**	10
3gang	**1013 30 01**	10
4gang	**1014 30 01**	2
5gang	**1015 30 01**	2



Aluminium red/polar white matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 22**	10
2gang	**1012 30 22**	10
3gang	**1013 30 22**	10
4gang	**1014 30 22**	2
5gang	**1015 30 22**	2

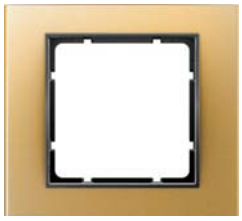


Aluminium red/anthracite matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 12**	10
2gang	**1012 30 12**	10
3gang	**1013 30 12**	10
4gang	**1014 30 12**	2
5gang	**1015 30 12**	2

Aluminium gold/polar white matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 46**	10
2gang	**1012 30 46**	10
3gang	**1013 30 46**	10
4gang	**1014 30 46**	2
5gang	**1015 30 46**	2



Aluminium gold/anthracite matt, aluminium anodised frames

Design	Order no.	PU
1gang	**1011 30 16**	10
2gang	**1012 30 16**	10
3gang	**1013 30 16**	10
4gang	**1014 30 16**	2
5gang	**1015 30 16**	2

Frames with large cut-out

– For vertical mounting
– Metal, aluminum profile
– Not suitable for surface-mounted housing.

Aluminium/polar white matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 39 04**	1

Aluminium/anthracite matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 30 04**	1

Aluminium black/polar white matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 30 25**	1

Aluminium black/anthracite matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 30 05**	1

Aluminium brown/polar white matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 30 21**	1

Aluminium brown/anthracite matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 30 01**	1

Aluminium red/polar white matt, aluminium anodised frame

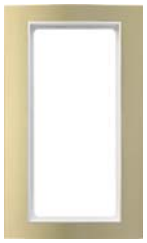
Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 30 22**	1

Aluminium red/anthracite matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 30 12**	1



Aluminium gold/polar white matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 30 46**	1

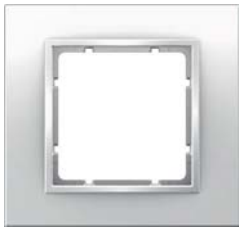
Aluminium gold/anthracite matt, aluminium anodised frame

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 30 16**	1

Berker B.7 frames

– Not suitable for surface-mounted housing
– For vertical and horizontal mounting



Polar white frames

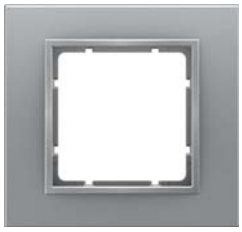
– plastic

Design	Order no.	PU
matt, 1gang	**1011 69 19**	10
matt, 2gang	**1012 69 19**	5
matt, 3gang	**1013 69 19**	5
matt, 4gang	**1014 69 19**	1
matt, 5gang	**1015 69 19**	1

Anthracite frames

– plastic

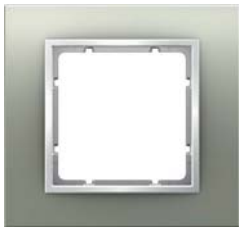
Design	Order no.	PU
matt, 1gang	**1011 66 26**	10
matt, 2gang	**1012 66 26**	5
matt, 3gang	**1013 66 26**	5
matt, 4gang	**1014 66 26**	1
matt, 5gang	**1015 66 26**	1



Aluminium frames

– plastic

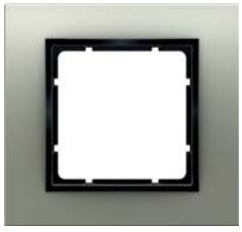
Design	Order no.	PU
matt, lacquered, 1gang	**1011 64 24**	10
matt, lacquered, 2gang	**1012 64 24**	5
matt, lacquered, 3gang	**1013 64 24**	5
matt, lacquered, 4gang	**1014 64 24**	1
matt, lacquered, 5gang	**1015 64 24**	1



Aluminium/polar white matt, aluminium anodised frames

– metal, aluminum profile anodized

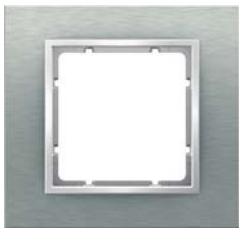
Design	Order no.	PU
1gang	**1011 69 14**	10
2gang	**1012 69 14**	5
3gang	**1013 69 14**	5
4gang	**1014 69 14**	1
5gang	**1015 69 14**	1



Aluminium/anthracite matt, aluminium anodised frames

– metal, aluminum profile anodized

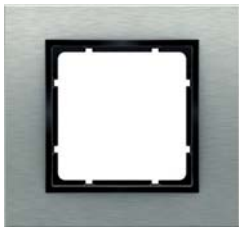
Design	Order no.	PU
1gang	**1011 69 04**	10
2gang	**1012 69 04**	5
3gang	**1013 69 04**	5
4gang	**1014 69 04**	1
5gang	**1015 69 04**	1



Stainless steel/polar white matt, metal brushed frames

– metal, stainless steel, brushed

Design	Order no.	PU
1gang	**1011 36 09**	10
2gang vertical	**1012 36 09**	5
3gang vertical	**1013 36 09**	5
4gang vertical	**1014 36 09**	1
5gang vertical	**1015 36 09**	1
2gang horizontal	**1022 36 09**	5
3gang horizontal	**1023 36 09**	5
4gang horizontal	**1024 36 09**	1
5gang horizontal	**1025 36 09**	1



Stainless steel/anthracite matt, metal brushed frames

– metal, stainless steel, brushed

Design	Order no.	PU
1gang	**1011 36 06**	10
2gang vertical	**1012 36 06**	5
3gang vertical	**1013 36 06**	5
4gang vertical	**1014 36 06**	1
5gang vertical	**1015 36 06**	1
2gang horizontal	**1022 36 06**	5
3gang horizontal	**1023 36 06**	5
4gang horizontal	**1024 36 06**	1
5gang horizontal	**1025 36 06**	1

Glass polar white/polar white matt frames

– toughened glass

Design	Order no.	PU
1gang	**1011 69 09**	10
2gang	**1012 69 09**	5
3gang	**1013 69 09**	5
4gang	**1014 69 09**	1
5gang	**1015 69 09**	1

Glass black/anthracite matt frames

– toughened glass

Design	Order no.	PU
1gang	**1011 66 16**	10
2gang	**1012 66 16**	5
3gang	**1013 66 16**	5
4gang	**1014 66 16**	1
5gang	**1015 66 16**	1

Glass aluminium/aluminium matt, lacquered frames

– toughened glass

Design	Order no.	PU
1gang	**1011 64 14**	10
2gang	**1012 64 14**	5
3gang	**1013 64 14**	5
4gang	**1014 64 14**	1
5gang	**1015 64 14**	1

Frames with large cut-out

– For vertical mounting
– Not suitable for surface-mounted housing.

Polar white matt, lacquered frame

– plastic

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 69 19**	2

Anthracite matt, lacquered frame

– plastic

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 66 26**	2

Aluminium matt, lacquered frame

– plastic

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 64 24**	2

Aluminium/polar white matt, aluminium anodised frame

– metal, aluminum profile anodized

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 69 14**	2

Aluminium/anthracite matt, aluminium anodised frame

– metal, aluminum profile anodized

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 69 04**	2

Stainless steel/polar white matt, metal brushed frame

– stainless steel surface, brushed transversely

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 36 09**	2

Stainless steel/anthracite matt, metal brushed frame

– stainless steel surface, brushed transversely

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 36 06**	2

Glass polar white/polar white matt frame

– toughened glass

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 69 09**	2

Glass black/anthracite matt frame

– toughened glass

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 85	25
Push-button 5gang with thermostat	7566 57 85	25

Design	Order no.	PU
with large cut-out	**1309 66 16**	2

Glass aluminium/aluminium matt, lacquered frame

– toughened glass

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 80	25
Push-button 5gang with thermostat	7566 57 80	25

Design	Order no.	PU
with large cut-out	**1309 64 14**	2

Berker Q.1 frames

White velvety frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 82**	10
2gang	**1012 60 82**	10
3gang	**1013 60 82**	2
4gang	**1014 60 82**	2
5gang	**1015 60 82**	2

Polar white velvety frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 89**	10
2gang	**1012 60 89**	10
3gang	**1013 60 89**	2
4gang	**1014 60 89**	2
5gang	**1015 60 89**	2

Anthracite velvety, lacquered frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 86**	10
2gang	**1012 60 86**	10
3gang	**1013 60 86**	2
4gang	**1014 60 86**	2
5gang	**1015 60 86**	2

Aluminium frames

– for emphasising special switches, socket outlets, etc.
– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 84**	10
2gang	**1012 60 84**	10
3gang	**1013 60 84**	2
4gang	**1014 60 84**	2
5gang	**1015 60 84**	2

Red velvety frames

– for emphasising special switches, socket outlets, etc.
– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 62**	10
2gang	**1012 60 62**	10
3gang	**1013 60 62**	2
4gang	**1014 60 62**	2
5gang	**1015 60 62**	2

White velvety frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 60 12**	10
2gang vertical	**1012 60 12**	10
3gang vertical	**1013 60 12**	10
4gang vertical	**1014 60 12**	2
5gang vertical	**1015 60 12**	2
2gang horizontal	**1022 60 12**	10
3gang horizontal	**1023 60 12**	10
4gang horizontal	**1024 60 12**	2
5gang horizontal	**1025 60 12**	2

Polar white velvety frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 60 19**	10
2gang vertical	**1012 60 19**	10
3gang vertical	**1013 60 19**	10
4gang vertical	**1014 60 19**	2
5gang vertical	**1015 60 19**	2
2gang horizontal	**1022 60 19**	10
3gang horizontal	**1023 60 19**	10
4gang horizontal	**1024 60 19**	2
5gang horizontal	**1025 60 19**	2

Aluminium frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 60 14**	10
2gang vertical	**1012 60 14**	10
3gang vertical	**1013 60 14**	10
4gang vertical	**1014 60 14**	2
5gang vertical	**1015 60 14**	2
2gang horizontal	**1022 60 14**	10
3gang horizontal	**1023 60 14**	10
4gang horizontal	**1024 60 14**	2
5gang horizontal	**1025 60 14**	2

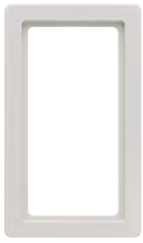
Anthracite velvety, lacquered frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 60 16**	10
2gang vertical	**1012 60 16**	10
3gang vertical	**1013 60 16**	10
4gang vertical	**1014 60 16**	2
5gang vertical	**1015 60 16**	2
2gang horizontal	**1022 60 16**	10
3gang horizontal	**1023 60 16**	10
4gang horizontal	**1024 60 16**	2
5gang horizontal	**1025 60 16**	2

Frames with large cut-out



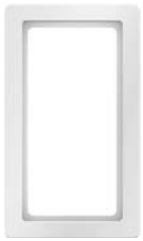
White velvety frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 29	26
Push-button 5gang with thermostat	7566 57 29	27

Design	Order no.	PU
with large cut-out	**1309 60 82**	10



Polar white velvety frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 29	26
Push-button 5gang with thermostat	7566 57 29	27

Design	Order no.	PU
with large cut-out	**1309 60 89**	10

Anthracite velvety, lacquered frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 26	26
Push-button 5gang with thermostat	7566 57 26	27

Design	Order no.	PU
with large cut-out	**1309 60 86**	10

Aluminium, lacquered frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 26	26
Push-button 5gang with thermostat	7566 57 26	27

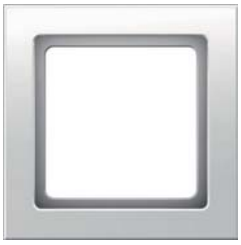
Design	Order no.	PU
with large cut-out	**1309 60 84**	10

Berker Q.3 frames

White velvety frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 92**	10
2gang	**1012 60 92**	2
3gang	**1013 60 92**	2
4gang	**1014 60 92**	2
5gang	**1015 60 92**	2



Polar white velvety frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 99**	10
2gang	**1012 60 99**	2
3gang	**1013 60 99**	2
4gang	**1014 60 99**	2
5gang	**1015 60 99**	2

Anthracite velvety, lacquered frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 96**	10
2gang	**1012 60 96**	2
3gang	**1013 60 96**	2
4gang	**1014 60 96**	2
5gang	**1015 60 96**	2

Aluminium, lacquered frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 60 94**	10
2gang	**1012 60 94**	2
3gang	**1013 60 94**	2
4gang	**1014 60 94**	2
5gang	**1015 60 94**	2

White velvety frames

- Labelling field

– also suitable for cable ducts

When the frame has been dismantled, the labelling field remains on the insert.

For inserts with order no. 4522, 4523, 4593, 4594, mounting of the labelling field on the supporting ring is not possible.
For this, the labelling field can be engaged in the recess of the frame.

Design	Order no.	PU
1gang	**1051 60 92**	10
2gang horizontal	**1022 60 92**	10
2gang vertical	**1052 60 92**	10
3gang horizontal	**1023 60 92**	10
3gang vertical	**1053 60 92**	10

Polar white velvety frames

- Labelling field

– also suitable for cable ducts

When the frame has been dismantled, the labelling field remains on the insert.

For inserts with order no. 4522, 4523, 4593, 4594, mounting of the labelling field on the supporting ring is not possible.
For this, the labelling field can be engaged in the recess of the frame.

Design	Order no.	PU
1gang	**1051 60 99**	10
2gang horizontal	**1022 60 99**	10
2gang vertical	**1052 60 99**	10
3gang horizontal	**1023 60 99**	10
3gang vertical	**1053 60 99**	10

Aluminium velvety frames

- Labelling field

– also suitable for cable ducts

When the frame has been dismantled, the labelling field remains on the insert.

For inserts with order no. 4522, 4523, 4593, 4594, mounting of the labelling field on the supporting ring is not possible.
For this, the labelling field can be engaged in the recess of the frame.

Design	Order no.	PU
1gang	**1051 60 94**	10
2gang horizontal	**1022 60 94**	10
2gang vertical	**1052 60 94**	10
3gang horizontal	**1023 60 94**	10
3gang vertical	**1053 60 94**	10

Frames with large cut-out

White velvety frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 29	26
Push-button 5gang with thermostat	7566 57 29	27

Design	Order no.	PU
with large cut-out	**1309 60 92**	2

Polar white velvety frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 29	26
Push-button 5gang with thermostat	7566 57 29	27

Design	Order no.	PU
with large cut-out	**1309 60 99**	2

Anthracite velvety, lacquered frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 26	26
Push-button 5gang with thermostat	7566 57 26	27

Design	Order no.	PU
with large cut-out	**1309 60 96**	1

Aluminium, lacquered frame

Not suitable for surface-mounted frames.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 26	26
Push-button 5gang with thermostat	7566 57 26	27

Design	Order no.	PU
with large cut-out	**1309 60 94**	1

Berker Q.7 frames

Aluminium, aluminium anodised frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	1011 60 74	1
2gang	1012 60 74	1
3gang	1013 60 74	1
4gang	1014 60 74	1
5gang	1015 60 74	1

Stainless steel, brushed frames

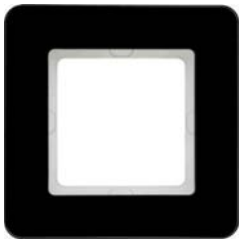
– for vertical and horizontal mounting

Design	Order no.	PU
1gang	1011 60 83	1
2gang vertical	1012 60 83	1
3gang vertical	1013 60 83	1
4gang vertical	1014 60 83	1
5gang vertical	1015 60 83	1
2gang horizontal	1022 60 83	1
3gang horizontal	1023 60 83	1
4gang horizontal	1024 60 83	1
5gang horizontal	1025 60 83	1

Glass, polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	1011 60 79	1
2gang	1012 60 79	1
3gang	1013 60 79	1
4gang	1014 60 79	1
5gang	1015 60 79	1



Glass, black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	1011 60 76	1
2gang	1012 60 76	1
3gang	1013 60 76	1
4gang	1014 60 76	1
5gang	1015 60 76	1

Anthracite, natural slate frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	1011 60 30	1
2gang	1012 60 30	1
3gang	1013 60 30	1

Grey, concrete structured frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	1011 60 20	1
2gang	1012 60 20	1
3gang	1013 60 20	1

Frames with large cut-out

Aluminium, aluminium anodised frame

Not suitable for surface-mounted housing.

– for vertical mounting

Design	Order no.	PU
with large cut-out	1309 60 74	1

Stainless steel, brushed frame

Not suitable for surface-mounted housing.

– for vertical mounting

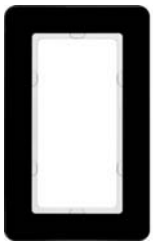
Design	Order no.	PU
with large cut-out	1309 60 83	1

Glass, polar white frame

Not suitable for surface-mounted housing.

– for vertical mounting

Design	Order no.	PU
with large cut-out	1309 60 79	1



Glass, black frame

Not suitable for surface-mounted housing.

– for vertical mounting

Design	Order no.	PU
with large cut-out	1309 60 76	1

Anthracite, natural slate frame

Not suitable for surface-mounted housing.

– for vertical mounting

Design	Order no.	PU
with large cut-out	1309 60 30	1

Grey, concrete structured frame

Not suitable for surface-mounted housing.

– for vertical mounting

Design	Order no.	PU
with large cut-out	1309 60 20	1

Berker K.1/K.5 frames

Polar white glossy frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1313 70 09**	10
2gang vertical	**1323 70 09**	2
3gang vertical	**1333 70 09**	2
4gang vertical	**1343 70 09**	2
5gang vertical	**1353 70 09**	2
2gang horizontal	**1363 70 09**	2
3gang horizontal	**1373 70 09**	2
4gang horizontal	**1383 70 09**	2
5gang horizontal	**1393 70 09**	2

Anthracite matt, lacquered frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1313 70 06**	10
2gang vertical	**1323 70 06**	10
3gang vertical	**1333 70 06**	2
4gang vertical	**1343 70 06**	2
5gang vertical	**1353 70 06**	2
2gang horizontal	**1363 70 06**	10
3gang horizontal	**1373 70 06**	2
4gang horizontal	**1383 70 06**	2
5gang horizontal	**1393 70 06**	2

Aluminium, aluminium anodised frames

Support plate thickness max. 2 mm

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1313 70 03**	10
2gang vertical	**1323 70 03**	2
3gang vertical	**1333 70 03**	2
4gang vertical	**1343 70 03**	2
5gang vertical	**1353 70 03**	2
2gang horizontal	**1363 70 03**	2
3gang horizontal	**1373 70 03**	2
4gang horizontal	**1383 70 03**	2
5gang horizontal	**1393 70 03**	2

Stainless steel, metal matt finish frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1313 70 04**	10
2gang vertical	**1323 70 04**	2
3gang vertical	**1333 70 04**	2
4gang vertical	**1343 70 04**	2
5gang vertical	**1353 70 04**	2
2gang horizontal	**1363 70 04**	2
3gang horizontal	**1373 70 04**	2
4gang horizontal	**1383 70 04**	2
5gang horizontal	**1393 70 04**	2

Frames with large cut-out

Polar white glossy frame

Not suitable for surface-mounted housing.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 70	25
Push-button 5gang with thermostat	7566 57 70	25

Design	Order no.	PU
with large cut-out	**1309 70 09**	1

Anthracite matt, lacquered frame

Not suitable for surface-mounted housing.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 75	25
Push-button 5gang with thermostat	7566 57 75	25

Design	Order no.	PU
with large cut-out	**1309 70 06**	1

Aluminium, aluminium anodised frame

Not suitable for surface-mounted housing.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 74	25
Push-button 5gang with thermostat	7566 57 74	25

Design	Order no.	PU
with large cut-out	**1309 70 03**	1

Stainless steel, metal matt finish frame

Not suitable for surface-mounted housing.

– for vertical mounting

Suitable for	Order no.	Page
Push-button 3gang with thermostat	7566 37 73	25
Push-button 5gang with thermostat	7566 57 73	25

Design	Order no.	PU
with large cut-out	**1309 70 04**	1

Berker R.1 frames

Polar white glossy frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 89**	10
2gang	**1012 21 89**	2
3gang	**1013 21 89**	2
4gang	**1014 21 89**	2
5gang	**1015 21 89**	2

Black glossy frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 45**	10
2gang	**1012 21 45**	2
3gang	**1013 21 45**	10
4gang	**1014 21 45**	2
5gang	**1015 21 45**	2

Aluminium/polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 74**	10
2gang	**1012 21 74**	10
3gang	**1013 21 74**	10
4gang	**1014 21 74**	2
5gang	**1015 21 74**	2

Aluminium/black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 84**	10
2gang	**1012 21 84**	10
3gang	**1013 21 84**	10
4gang	**1014 21 84**	2
5gang	**1015 21 84**	2

Stainless steel/polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 14**	10
2gang	**1012 21 14**	10
3gang	**1013 21 14**	10
4gang	**1014 21 14**	2
5gang	**1015 21 14**	2

Stainless steel/black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 04**	10
2gang	**1012 21 04**	10
3gang	**1013 21 04**	10
4gang	**1014 21 04**	2
5gang	**1015 21 04**	2

Glass polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 09**	10
2gang	**1012 21 09**	5
3gang	**1013 21 09**	5
4gang	**1014 21 09**	1
5gang	**1015 21 09**	1

Glass black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 21 16**	10
2gang	**1012 21 16**	5
3gang	**1013 21 16**	5
4gang	**1014 21 16**	1
5gang	**1015 21 16**	1

Polar white glossy frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 21 79**	10
2gang vertical	**1012 21 69**	2
3gang vertical	**1013 21 69**	2
2gang horizontal	**1012 21 79**	2
3gang horizontal	**1013 21 79**	2

Black glossy frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 21 35**	10
2gang vertical	**1012 21 25**	2
3gang vertical	**1013 21 25**	2
2gang horizontal	**1012 21 35**	2
3gang horizontal	**1013 21 35**	2

Frames made from special materials

Anthracite/polar white glossy, natural slate frames

Not suitable for water-protected, flush-mounted installation IP44.

Caution!
Installation only possible on a flat surface.
Tighten screws of the covers only by hand.

The colour of surface material can change when exposed to UV radiation.

Caution!
Natural product made from open-pored material, which is sensitive to grease and dirt.

- for vertical and horizontal mounting
- natural, untreated surface structure
- natural material that underscores the individual character by means of developed structures and different material thicknesses and colour schemes

Design	Order No.	PU
1gang	**1011 23 89**	1
2gang	**1012 23 89**	1
3gang	**1013 23 89**	1

Anthracite/black glossy, natural slate frames

Not suitable for water-protected, flush-mounted installation IP44.

Caution!
Installation only possible on a flat surface.
Tighten screws of the covers only by hand.

The colour of surface material can change when exposed to UV radiation.

Caution!
Natural product made from open-pored material, which is sensitive to grease and dirt.

- for vertical and horizontal mounting
- natural, untreated surface structure
- natural material that underscores the individual character by means of developed structures and different material thicknesses and colour schemes

Design	Order No.	PU
1gang	**1011 23 84**	1
2gang	**1012 23 84**	1
3gang	**1013 23 84**	1

Grey/polar white glossy, grounded concrete frames

Not suitable for water-protected, flush-mounted installation IP44.

Caution!
Installation only possible on a flat surface.
Tighten screws of the covers only by hand.

The colour of surface material can change when exposed to UV radiation.

Caution!
Natural product made from open-pored material, which is sensitive to grease and dirt.

- for vertical and horizontal mounting
- smoothly milled surface
- natural material that underscores the individual character by means of different structures and colour schemes

Design	Order No.	PU
1gang	**1011 23 79**	1
2gang	**1012 23 79**	1
3gang	**1013 23 79**	1

Grey/black glossy, grounded concrete frames

Not suitable for water-protected, flush-mounted installation IP44.

Caution!
Installation only possible on a flat surface.
Tighten screws of the covers only by hand.

The colour of surface material can change when exposed to UV radiation.

Caution!
Natural product made from open-pored material, which is sensitive to grease and dirt.

- for vertical and horizontal mounting
- smoothly milled surface
- natural material that underscores the individual character by means of different structures and colour schemes

Design	Order No.	PU
1gang	**1011 23 74**	1
2gang	**1012 23 74**	1
3gang	**1013 23 74**	1

Brown/polar white glossy, embossed leather frames

Not suitable for water-protected, flush-mounted installation IP44.

Patina typical for real leather can develop over time due to touch and the influence of light.

Caution!
Natural product made from open-pored material, which is sensitive to grease and dirt.

- for vertical and horizontal mounting
- structured surface
- high quality, durable material that underscores the individual character by means of different structures and colour schemes

Design	Order No.	PU
1gang	**1011 23 69**	1
2gang	**1012 23 69**	1
3gang	**1013 23 69**	1
4gang	**1014 23 69**	1
5gang	**1015 23 69**	1

Brown/black glossy, embossed leather frames

Not suitable for water-protected, flush-mounted installation IP44.

The shape of surface materials can change during changes in temperature and humidity and its colour can change when exposed to UV radiation.

Patina typical for real leather can develop over time due to touch and the influence of light.

Caution!
Natural product made from open-pored material, which is sensitive to grease and dirt.

- for vertical and horizontal mounting
- structured surface
- high quality, durable material that underscores the individual character by means of different structures and colour schemes

Design	Order No.	PU
1gang	**1011 23 64**	1
2gang	**1012 23 64**	1
3gang	**1013 23 64**	1
4gang	**1014 23 64**	1
5gang	**1015 23 64**	1

Oak/polar white glossy, stained wood frames

Not suitable for water-protected, flush-mounted installation IP44.

The shape of surface materials can change during changes in temperature and humidity and its colour can change when exposed to UV radiation.

- for vertical and horizontal mounting
- stained on bog oak
- natural material that underscores the individual character by means of different grains and colour structures

Design	Order No.	PU
1gang	**1011 23 59**	1
2gang	**1012 23 59**	1
3gang	**1013 23 59**	1
4gang	**1014 23 59**	1
5gang	**1015 23 59**	1

Oak/black glossy, stained wood frames

Not suitable for water-protected, flush-mounted installation IP44.

The shape of surface materials can change during changes in temperature and humidity and its colour can change when exposed to UV radiation.

- for vertical and horizontal mounting
- stained on bog oak
- natural material that underscores the individual character by means of different grains and colour structures

Design	Order No.	PU
1gang	**1011 23 54**	1
2gang	**1012 23 54**	1
3gang	**1013 23 54**	1
4gang	**1014 23 54**	1
5gang	**1015 23 54**	1

Red transparent/polar white glossy, acrylic frames

Not suitable for water-protected, flush-mounted installation IP44.

- for vertical and horizontal mounting

Design	Order No.	PU
1gang	**1011 23 49**	1
2gang	**1012 23 49**	1
3gang	**1013 23 49**	1
4gang	**1014 23 49**	1
5gang	**1015 23 49**	1

Red transparent/black glossy, acrylic frames

Not suitable for water-protected, flush-mounted installation IP44.

- for vertical and horizontal mounting

Design	Order No.	PU
1gang	**1011 23 44**	1
2gang	**1012 23 44**	1
3gang	**1013 23 44**	1
4gang	**1014 23 44**	1
5gang	**1015 23 44**	1

Orange transparent/polar white glossy, acrylic frames

Not suitable for water-protected, flush-mounted installation IP44.

- for vertical and horizontal mounting

Design	Order No.	PU
1gang	**1011 23 39**	1
2gang	**1012 23 39**	1
3gang	**1013 23 39**	1
4gang	**1014 23 39**	1
5gang	**1015 23 39**	1

Orange transparent/black glossy, acrylic frames

Not suitable for water-protected, flush-mounted installation IP44.

- for vertical and horizontal mounting

Design	Order No.	PU
1gang	**1011 23 34**	1
2gang	**1012 23 34**	1
3gang	**1013 23 34**	1
4gang	**1014 23 34**	1
5gang	**1015 23 34**	1

Berker R.3 frames

Polar white glossy frames

Design	Order no.	PU
1gang	**1011 22 89**	10
2gang	**1012 22 89**	2
3gang	**1013 22 89**	2
4gang	**1014 22 89**	2
5gang	**1015 22 89**	2

Black glossy frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 45**	10
2gang	**1012 22 45**	2
3gang	**1013 22 45**	10
4gang	**1014 22 45**	2
5gang	**1015 22 45**	2

Aluminium/polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 74**	10
2gang	**1012 22 74**	10
3gang	**1013 22 74**	10
4gang	**1014 22 74**	2
5gang	**1015 22 74**	2

Aluminium/black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 84**	10
2gang	**1012 22 84**	10
3gang	**1013 22 84**	10
4gang	**1014 22 84**	2
5gang	**1015 22 84**	2

Stainless steel/polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 14**	10
2gang	**1012 22 14**	10
3gang	**1013 22 14**	10
4gang	**1014 22 14**	2
5gang	**1015 22 14**	2

Stainless steel/black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 04**	10
2gang	**1012 22 04**	10
3gang	**1013 22 04**	10
4gang	**1014 22 04**	2
5gang	**1015 22 04**	2

Glass polar white frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 09**	10
2gang	**1012 22 09**	5
3gang	**1013 22 09**	5
4gang	**1014 22 09**	1
5gang	**1015 22 09**	1

Glass black frames

– for vertical and horizontal mounting

Design	Order no.	PU
1gang	**1011 22 16**	10
2gang	**1012 22 16**	5
3gang	**1013 22 16**	5
4gang	**1014 22 16**	1
5gang	**1015 22 16**	1

Polar white glossy frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 22 79**	10
2gang vertical	**1012 22 69**	2
3gang vertical	**1013 22 69**	2
2gang horizontal	**1012 22 79**	2
3gang horizontal	**1013 22 79**	2

Black glossy frames

- Labelling field

Labelling field height arranged for P-touch strips 6 mm.

Design	Order no.	PU
1gang	**1011 22 35**	10
2gang vertical	**1012 22 25**	2
3gang vertical	**1013 22 25**	2
2gang horizontal	**1012 22 35**	2
3gang horizontal	**1013 22 35**	2

systo frames

White frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single, 2 modules	**WS401**	10
double horizontal, 2 x 2 modules	**WS402**	10
triple horizontal, 3 x 2 modules (71 mm)	**WS403**	5
quadruple horizontal, 4 x 2 modules (71 mm)	**WS404**	1
double vertical, 2 x 2 modules (57 mm)	**WS406**	10
double vertical, 2 x 2 modules (71 mm)	**WS408**	1
triple vertical, 3 x 2 modules (57 mm)	**WS407**	5
triple vertical, 3 x 2 modules (71 mm)	**WS409**	5
quadruple horizontal, 4 x 2 modules (57 mm)	**WS410**	10
horizontal, 6 modules (57 mm)	**WS411**	5
horizontal, 5 modules (71 mm)	**WS412**	10
horizontal, 8 modules (71 mm)	**WS413**	5
horizontal, 16 (2 x 8) modules (57 mm)	**WS416**	5

Aluminium frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

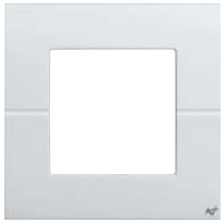
Design	Order no.	PU
single, 2 modules	**WS401T**	10
double horizontal, 2 x 2 modules	**WS402T**	10
triple horizontal, 3 x 2 modules (71 mm)	**WS403T**	5
quadruple horizontal, 4 x 2 modules (71 mm)	**WS404T**	1
double vertical, 2 x 2 modules (57 mm)	**WS406T**	10
double vertical, 2 x 2 modules (71 mm)	**WS408T**	1
triple vertical, 3 x 2 modules (57 mm)	**WS407T**	5
triple vertical, 3 x 2 modules (71 mm)	**WS409T**	5
quadruple horizontal, 4 x 2 modules (57 mm)	**WS410T**	10
horizontal, 6 modules (57 mm)	**WS411T**	5
horizontal, 5 modules (71 mm)	**WS412T**	10
horizontal, 8 modules (71 mm)	**WS413T**	5
horizontal, 16 (2 x 8) modules (57 mm)	**WS416T**	5

Black frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single, 2 modules	**WS401N**	10
double horizontal, 2 x 2 modules	**WS402N**	10
triple horizontal, 3 x 2 modules (71 mm)	**WS403N**	5
quadruple horizontal, 4 x 2 modules (71 mm)	**WS404N**	1
double vertical, 2 x 2 modules (71 mm)	**WS408N**	1
triple vertical, 3 x 2 modules (71 mm)	**WS409N**	5
quadruple horizontal, 4 x 2 modules (57 mm)	**WS410N**	10
horizontal, 6 modules (57 mm)	**WS411N**	5
horizontal, 5 modules (71 mm)	**WS412N**	10
horizontal, 8 modules (71 mm)	**WS413N**	5
horizontal, 16 (2 x 8) modules (57 mm)	**WS416N**	5



Antibacterial frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single, 2 modules	**WS401H**	10
double horizontal, 2 x 2 modules	**WS402H**	10
triple horizontal, 3 x 2 modules (71 mm)	**WS403H**	5
quadruple horizontal, 4 x 2 modules (71 mm)	**WS404H**	1
double vertical, 2 x 2 modules (57 mm)	**WS406H**	10
double vertical, 2 x 2 modules (71 mm)	**WS408H**	1
triple vertical, 3 x 2 modules (57 mm)	**WS407H**	5
triple vertical, 3 x 2 modules (71 mm)	**WS409H**	5
quadruple horizontal, 4 x 2 modules (57 mm)	**WS410H**	10
horizontal, 6 modules (57 mm)	**WS411H**	5

Adaptor rings systo

Adaptor rings

– To use with 45 x 45 mechanisms in standard boxes

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
2 modules, with screws	**WS450**	10
2 modules, with claws-breakable	**WS451**	10
2 modules, with screw-breakable	**WS451S**	10
4 modules, with screws, for WS410	**WS452**	10
5 modules, with screws, for WS412	**WS454**	10
6 modules, with screws, for WS411	**WS453**	5
8 modules, with screws, for WS413	**WS455**	5
16 modules (2 x 8 horizontal), with screws, for WS416	**WS456**	5

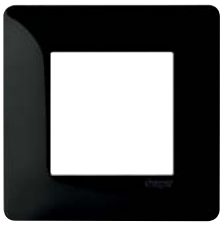
essensya frames

White frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE401**	10
double horizontal or vertical (71 mm)	**WE402**	10
triple horizontal or vertical (71 mm)	**WE403**	5
quadruple horizontal or vertical (71 mm)	**WE404**	1
double vertical (57 mm)	**WE406**	10
triple vertical (57 mm)	**WE407**	5

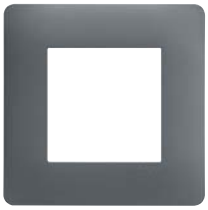


Black frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE401N**	10
double horizontal or vertical (71 mm)	**WE402N**	10

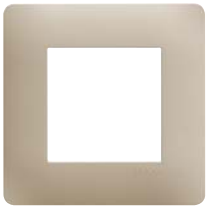


Grey frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE421**	1
double horizontal or vertical (71 mm)	**WE422**	1
triple horizontal or vertical (71 mm)	**WE423**	1
quadruple horizontal or vertical (71 mm)	**WE424**	1
double vertical (57 mm)	**WE426**	1
triple vertical (57 mm)	**WE427**	1

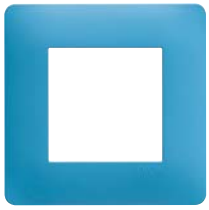


Sand frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE431**	1
double horizontal or vertical (71 mm)	**WE432**	1
triple horizontal or vertical (71 mm)	**WE433**	1
quadruple horizontal or vertical (71 mm)	**WE434**	1
double vertical (57 mm)	**WE436**	1
triple vertical (57 mm)	**WE437**	1

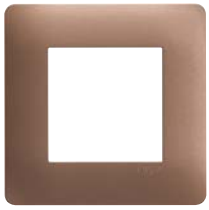


Blue frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE441**	1
double horizontal or vertical (71 mm)	**WE442**	1
triple horizontal or vertical (71 mm)	**WE443**	1
quadruple horizontal or vertical (71 mm)	**WE444**	1
double vertical (57 mm)	**WE446**	1
triple vertical (57 mm)	**WE447**	1

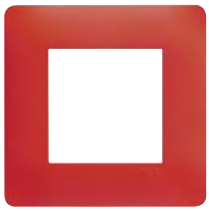


Bronze frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE461**	1
double horizontal or vertical (71 mm)	**WE462**	1
triple horizontal or vertical (71 mm)	**WE463**	1
quadruple horizontal or vertical (71 mm)	**WE464**	1
double vertical (57 mm)	**WE466**	1
triple vertical (57 mm)	**WE467**	1



Red frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE471**	1
double horizontal or vertical (71 mm)	**WE472**	1
triple horizontal or vertical (71 mm)	**WE473**	1
quadruple horizontal or vertical (71 mm)	**WE474**	1
double vertical (57 mm)	**WE476**	1
triple vertical (57 mm)	**WE477**	1

Titane frames

– UV resistant material with antistatic texture

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
single	**WE491**	1
double horizontal or vertical (71 mm)	**WE492**	1
triple horizontal or vertical (71 mm)	**WE493**	1
quadruple horizontal or vertical (71 mm)	**WE494**	1
double vertical (57 mm)	**WE496**	1
triple vertical (57 mm)	**WE497**	1

Adaptor rings essensya

Adaptor rings

– To use with 45 x 45 mechanisms in standard boxes

- accurate mounting thanks to clip steps
- slots to remove the frame on the side
- available in 57 or 71 mm center distance

Design	Order no.	PU
2 modules, with screws	**WE450**	10

Berker B.IQ

A wide array of alternative materials and colours have been added to the convenient variety of KNX functionality of the Berker B.IQ.

- Frameless KNX push-button with full-material rockers (glass, stainless steel and aluminium)
- High scope of functions in the KNX applications through devices integrating thermostats
- The attractive appearance is rounded off using white status LEDs and a blue operation LED
- Suitable variants for all materials and colours of sockets in the Berker B.7 switch range.

02

Page

– For suitable frames in the same “style” for additional applications, see the Design line B.7
– For additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x

Push-buttons

– For switch, push-button, dimmer and shutter functions
– Extension unit for light scene push-button
– For installation in single standard wall boxes
– With dismantling protection

Bus coupling unit flush-mounted

Operating voltage over bus	21 ... 32 V=
Power consumption, KNX	≈ 100 mW
Operating temperature	-5 ... +45 °C
Insertion depth	23 mm

– with programming button and red programming LED
– as interface between KNX user module and bus line
– bus connection via connecting terminal
– without spreader claws

Design	Order no.	PU
Bus coupling unit flush-mounted	**7504 00 01**	1

B.IQ push-button 1gang comfort

Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 88.5 mm

– single and two push-button operation parameterisable
– one push-button operation for switching, pushing, shutters and dimming
– activation of second user level via object
– with blue operation LED and 2 white status LEDs (labelling field lighting)
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– cyclic transmission can also be started via switching object
– value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Suitable for	**Order no.**	**Page**
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7516 15 99**	1
aluminium, aluminium anodised	**7516 15 94**	1
stainless steel, metal brushed	**7516 15 93**	1
glass polar white	**7516 15 90**	1
glass black	**7516 15 92**	1

B.IQ push-button 2gang comfort

Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 88.5 mm

– single and two push-button operation parameterisable
– one push-button operation for switching, pushing, shutters and dimming
– activation of second user level via object
– with blue operation LED and 4 white status LEDs (labelling field lighting)
– alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
– cyclic transmission can also be started via switching object
– value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Suitable for	**Order no.**	**Page**
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7516 25 99**	1
aluminium, aluminium anodised	**7516 25 94**	1
stainless steel, metal brushed	**7516 25 93**	1
glass polar white	**7516 25 90**	1
glass black	**7516 25 92**	1

B.IQ push-button 3gang comfort

Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 88.5 mm

- single and two push-button operation parameterisable
- one push-button operation for switching, pushing, shutters and dimming
- activation of second user level via object
- with blue operation LED and 6 white status LEDs (labelling field lighting)
- alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- cyclic transmission can also be started via switching object
- value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7516 35 99**	1
aluminium, aluminium anodised	**7516 35 94**	1
stainless steel, metal brushed	**7516 35 93**	1
glass polar white	**7516 35 90**	1
glass black	**7516 35 92**	1

B.IQ push-button 4gang comfort

Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 118.1 mm

- single and two push-button operation parameterisable
- lockable via 3-button actuation
- one push-button operation for switching, pushing, shutters and dimming
- second operating level via object or 3-button handle
- with blue operation LED and 8 white status LEDs (labelling field lighting)
- alarm telegram after disconnection from bus coupling unit 1 bit or 1 byte
- cyclic transmission can also be started via switching object
- value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 4gang	7590 00 81	84

Design	Order no.	PU
polar white matt	**7516 45 99**	1
aluminium, aluminium anodised	**7516 45 94**	1
stainless steel, metal brushed	**7516 45 93**	1
glass polar white	**7516 45 90**	1
glass black	**7516 45 92**	1

B.IQ push-button 1gang

Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 88.5 mm

- with blue operation LED and 2 white status LEDs (labelling field lighting)
- dimming / position value transmitter 1 byte

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7516 10 99**	1
aluminium, aluminium anodised	**7516 10 94**	1
stainless steel, metal brushed	**7516 10 93**	1
glass polar white	**7516 10 90**	1
glass black	**7516 10 92**	1

B.IQ push-button 2gang

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 88.5 mm

– with blue operation LED and 4 white status LEDs (labelling field lighting)
– dimming / position value transmitter 1 byte

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7516 20 99**	1
aluminium, aluminium anodised	**7516 20 94**	1
stainless steel, metal brushed	**7516 20 93**	1
glass polar white	**7516 20 90**	1
glass black	**7516 20 92**	1

B.IQ push-button 3gang

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 88.5 mm

– with blue operation LED and 6 white status LEDs (labelling field lighting)
– dimming / position value transmitter 1 byte

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7516 30 99**	1
aluminium, aluminium anodised	**7516 30 94**	1
stainless steel, metal brushed	**7516 30 93**	1
glass polar white	**7516 30 90**	1
glass black	**7516 30 92**	1

B.IQ push-button 4gang

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 118.1 mm

– with blue operation LED and 8 white status LEDs (labelling field lighting)
– dimming / position value transmitter 1 byte

Suitable for	Order no.	Page
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 4gang	7590 00 81	84

Design	Order no.	PU
polar white matt	**7516 40 99**	1
aluminium, aluminium anodised	**7516 40 94**	1
stainless steel, metal brushed	**7516 40 93**	1
glass polar white	**7516 40 90**	1
glass black	**7516 40 92**	1

Light scenes push-buttons

B.IQ push-button 4gang for light scenes

Number of load groups (increase on cascading)	8
Light scenes	max. 8
Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 118.1 mm

- retrieval, adjustment and storage of 8 light scenes
- light scene push-buttons can be cascaded
- second operating level for setting load groups via 3-button actuation
- with blue operation LED and 8 white status LEDs (labelling field lighting)
- dimming / position value transmitter 1 byte
- for installation in single standard wall boxes
- with anti-dismantling protection

Suitable for	**Order no.**	**Page**
Bus coupling unit flush-mounted	7504 00 01	78
optional		
B.IQ labelling field for push-buttons 4gang	7590 00 81	84

Design	Order no.	PU
polar white matt	**7516 86 99**	1
aluminium, aluminium anodised	**7516 86 94**	1
stainless steel, metal brushed	**7516 86 93**	1
glass polar white	**7516 86 90**	1
glass black	**7516 86 92**	1

Push-buttons with thermostat

- For switch, push-button, dimmer, blind and thermostat functions
- Single and two push-button operation parameterisable
- One push-button operation for switching, buttons, blinds and dimming
- Extension unit for light scene push-button
- With 2 white status LEDs per rocker (labelling field illumination)
- With blue operation LED
- For individual single room temperature control
- For heating and/or cooling mode with/without auxiliary step
- Controller operating modes: comfort, standby, night and frost/heat protection mode
- With 2 additional function buttons for display control
- Display of operating mode, controller lockout, room and outside temperature as well as time in connection with a clock
- Temperature measurement via internal temperature sensor and/or external communication object (weighting ratio parameterisable)
- Provision of the internal temperature value via communication object
- With room temperature timer and 2-week timer functions
- Button help function can be activated
- For installation in single standard wall boxes
- For continuous (PI) or switched (2-point) control of max. 2 control circuits
- With dismantling protection
- Text display (ASCII-format)
- LC display with symbols and illumination switchable via object
- With button blocking function
- End customer display scope parameterisable
- Separate object for window contact
- Programmable from ETS2, V1.2a
- Alarm telegram after disconnection from bus coupling unit 1 bit, 1 or 2 byte
- Presence button parameterisable to extend comfort
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte

Flush-mounted bus coupling unit for B.IQ with thermostat

Operating voltage over bus	21 ... 32 V=
Operating temperature	-5 ... +45 °C
Insertion depth	20 mm

- for B.IQ push-buttons with thermostat and display or Bluetooth gateways
- with programming button and red programming LED
- bus connection via connecting terminal
- without spreader claws

Design	Order no.	PU
flush-mounted bus coupling unit for B.IQ with thermostat	**7504 00 03**	1

B.IQ push-button 3gang with thermostat

- Display

Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 119.6 mm

Suitable for	Order no.	Page
Flush-mounted bus coupling unit for B.IQ with thermostat	7504 00 03	82
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7566 35 99**	1
aluminium, aluminium anodised	**7566 35 94**	1
stainless steel, metal brushed	**7566 35 93**	1
glass polar white	**7566 35 90**	1
glass black	**7566 35 92**	1

B.IQ push-button 4gang with thermostat

- Display

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 149.2 mm

Suitable for	Order no.	Page
Flush-mounted bus coupling unit for B.IQ with thermostat	7504 00 03	82
optional		
B.IQ labelling field for push-buttons 4gang	7590 00 81	84

Design	Order no.	PU
polar white matt	**7566 45 99**	1
aluminium, aluminium anodised	**7566 45 94**	1
stainless steel, metal brushed	**7566 45 93**	1
glass polar white	**7566 45 90**	1
glass black	**7566 45 92**	1

B.IQ push-button 5gang with thermostat

- Display

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 178.8 mm

Suitable for	Order no.	Page
Flush-mounted bus coupling unit for B.IQ with thermostat	7504 00 03	82
optional		
B.IQ labelling field for push-buttons 5gang	7590 00 82	84

Design	Order no.	PU
polar white matt	**7566 55 99**	1
aluminium, aluminium anodised	**7566 55 94**	1
stainless steel, metal brushed	**7566 55 93**	1
glass polar white	**7566 55 90**	1
glass black	**7566 55 92**	1

B.IQ IR push-button 3gang with thermostat

- Display

– IR telegram with RC5 coding parameterisable per push-button

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 128.6 mm

Suitable for	Order no.	Page
Flush-mounted bus coupling unit for B.IQ with thermostat	7504 00 03	82
optional		
B.IQ labelling field for push-buttons 1 to 3gang	7590 00 80	84

Design	Order no.	PU
polar white matt	**7566 36 99**	1
aluminium, aluminium anodised	**7566 36 94**	1
stainless steel, metal brushed	**7566 36 93**	1
glass polar white	**7566 36 90**	1
glass black	**7566 36 92**	1

B.IQ IR push-button 4gang with thermostat

- Display

– IR telegram with RC5 coding parameterisable per push-button

Operating temperature -5 ... +45 °C
Dimensions (W x H) 88.5 x 158.2 mm

Suitable for	Order no.	Page
Flush-mounted bus coupling unit for B.IQ with thermostat	7504 00 03	82
optional		
B.IQ labelling field for push-buttons 4gang	7590 00 81	84

Design	Order no.	PU
polar white matt	**7566 46 99**	1
aluminium, aluminium anodised	**7566 46 94**	1
stainless steel, metal brushed	**7566 46 93**	1
glass polar white	**7566 46 90**	1
glass black	**7566 46 92**	1

B.IQ IR push-button 5gang with thermostat

- Display

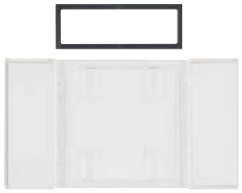
Operating temperature	-5 ... +45 °C
Dimensions (W x H)	88.5 x 187.8 mm

– IR telegram with RC5 coding parameterisable per push-button

Suitable for	Order no.	Page
Flush-mounted bus coupling unit for B.IQ with thermostat	7504 00 03	82
optional		
B.IQ labelling field for push-buttons 5gang	7590 00 82	84

Design	Order no.	PU
polar white matt	**7566 56 99**	1
aluminium, aluminium anodised	**7566 56 94**	1
stainless steel, metal brushed	**7566 56 93**	1
glass polar white	**7566 56 90**	1
glass black	**7566 56 92**	1

Labelling fields



B.IQ labelling field for push-buttons 1 to 3gang

Dimensions (W x H x D) 151.6 x 85 x 5.7 mm

– can be illuminated by status LED

Design	Order no.	PU
clear, transparent	**7590 00 80**	1

B.IQ labelling field for push-buttons 4gang

Dimensions (W x H x D) 151.6 x 114.6 x 5.7 mm

– can be illuminated by status LED

Design	Order no.	PU
clear, transparent	**7590 00 81**	1

B.IQ labelling field for push-buttons 5gang

Dimensions (W x H x D) 151.6 x 144.2 x 5.7 mm

– can be illuminated by status LED

Design	Order no.	PU
clear, transparent	**7590 00 82**	1

Berker TS Sensor

Understatement is an art, and the Berker TS Sensor makes it perfect. Up to eight functions are concealed under a pure surface that is practically flush with the wall, and can be custom-labelled on request. A single touch is all it takes to control lights, heating or blinds. In this way, the Berker TS Sensor can offer an exciting variety of possibilities – and, at the same time, still seems as calm as possible.

03

Page

Glass sensors

Glass sensors comfort

- With integrated bus coupling unit
- Operation by gently touching the sensor surfaces on the white LEDs
- For switch, push-button, dimmer and shutter functions
- Single and two push-button operation parameterisable
- Retrieval, setting and storing of 8 light scenes
- One push-button operation for switching, buttons, blinds and dimming
- Extension unit for light scene push-button
- Integrated temperature sensor
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- Additional connection for external temperature sensor
- Usable as thermostat extension unit
- Provision of the internal temperature value via communication object
- Blocking function for sensor surface e.g. for cleaning the glass surface
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte
- Bus connection via connecting terminal
- For vertical mounting
- For mounting, always use the flat 2gang wall box, order no. 1871
- With adapter ring for dismantling protection, shadow jointing and special installation conditions
- With disassembly suction tool
- For individually labelled glass and touch sensors (configured variations), the Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at http://ts-glas-sensor.berker.de

Glass sensor 1gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 2 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same “style” for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	91
optional		
Temperature sensor	161	39

Design	Order no.	PU
Berker TS Sensor		
glass polar white	**7514 18 30**	1
glass black	**7514 18 35**	1
glass aluminium	**7514 10 34**	1
Berker TS Sensor - configured		
glass polar white	**7514 19 30**	1
glass black	**7514 19 35**	1
glass aluminium	**7514 11 34**	1

Glass sensor 2gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

- with blue operation LED and 4 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same “style” for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	91
optional		
Temperature sensor	161	39

Design	Order no.	PU
Berker TS Sensor		
glass polar white	**7514 28 30**	1
glass black	**7514 28 35**	1
glass aluminium	**7514 20 34**	1

Berker TS Sensor - configured		
glass polar white	**7514 29 30**	1
glass black	**7514 29 35**	1
glass aluminium	**7514 21 34**	1

Glass sensor 3gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

– with blue operation LED and 6 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
– for glass frames in the same “style” for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	91
optional		
Temperature sensor	161	39

Design	Order no.	PU
Berker TS Sensor		
glass polar white	**7514 38 30**	1
glass black	**7514 38 35**	1
glass aluminium	**7514 30 34**	1
Berker TS Sensor - configured		
glass polar white	**7514 39 30**	1
glass black	**7514 39 35**	1
glass aluminium	**7514 31 34**	1

Glass sensor 4gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

– with blue operation LED and 8 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
– for glass frames in the same “style” for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	91
optional		
Temperature sensor	161	39

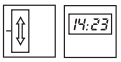
Design	Order no.	PU
Berker TS Sensor		
glass polar white	**7514 48 30**	1
glass black	**7514 48 35**	1
glass aluminium	**7514 40 34**	1
Berker TS Sensor - configured		
glass polar white	**7514 49 30**	1
glass black	**7514 49 35**	1
glass aluminium	**7514 41 34**	1

Glass sensors with thermostat

- With integrated bus coupling unit
- Operation by gently touching the sensor surfaces on the white LEDs
- For switch, push-button, dimmer, blind and thermostat functions
- Single and two push-button operation parameterisable
- Retrieval, setting and storing of 8 light scenes
- One push-button operation for switching, buttons, blinds and dimming
- Extension unit for light scene push-button
- For heating and/or cooling mode with/without auxiliary step
- Controller operating modes: comfort, standby, night and frost/heat protection mode
- LED display with symbol display
- With 2 additional sensor surfaces for display control
- Display of operating mode, controller lockout, room and outside temperature as well as time in connection with a clock
- Integrated temperature sensor
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- Additional connection for external temperature sensor
- Usable as thermostat extension unit
- Temperature control via local measurement or measured value via object
- Blocking function for sensor surface e.g. for cleaning the glass surface
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte
- Separate auxiliary power supply needed
- Operation with non-choked output of KNX voltage supply possible (pay attention to current consumption)
- Bus connection via connecting terminal
- For vertical mounting
- For mounting, always use the flat 2gang wall box, order no. 1871
- With adapter ring for dismantling protection and shadow gap formation
- With disassembly suction tool
- For individually labelled glass and touch sensors (configured variations), the Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at http://ts-glas-sensor.berker.de

Glass sensor 2gang with thermostat

- integrated bus coupling unit
- display



Operating voltage	21 ... 32 V=
Current consumption	23 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

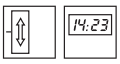
- with blue operation LED and 4 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
- for glass frames in the same “style” for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Power supply 24 V DC RMD	TGA200	138
Wall box 2gang flat	1871	91
optional		
Temperature sensor	161	39

Design	Order no.	PU
Berker TS Sensor		
glass polar white	**7564 20 30**	1
glass black	**7564 20 35**	1
glass aluminium	**7564 20 34**	1
Berker TS Sensor - configured		
glass polar white	**7564 21 30**	1
glass black	**7564 21 35**	1
glass aluminium	**7564 21 34**	1

Glass sensor 3gang with thermostat

- integrated bus coupling unit
- display



Operating voltage	21 ... 32 V=
Current consumption	23 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	86 x 160 x 5.7 mm

Only suitable for KNX.

– with blue operation LED and 6 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform S.1/B.x
– for glass frames in the same “style” for additional applications, see the Design line B.7

Suitable for	Order no.	Page
Wall box 2gang flat	1871	91
Power supply 24 V DC RMD	TGA200	138
optional		
Temperature sensor	161	39

Design	Order no.	PU
Berker TS Sensor		
glass polar white	**7564 30 30**	1
glass black	**7564 30 35**	1
glass aluminium	**7564 30 34**	1
Berker TS Sensor - configured		
glass polar white	**7564 31 30**	1
glass black	**7564 31 35**	1
glass aluminium	**7564 31 34**	1

Supplementary products

Wall boxes

Wall box 2gang flat

Dimensions (W x H x D)	68 x 139 x 47.5 mm
Cut hole pitch	71 mm
Cut hole Ø	2 x 68 mm

– flush wall-mounting or with adapter ring
– for flush mounting and hollow-wall mounting

Suitable for	Order no.	Page
Glass sensors comfort		88
Glass sensors with thermostat		90

Design	Order no.	PU
wall box 2gang flat	**1871**	1

Wall box 2gang

Dimensions (W x H x D)	68 x 139 x 75 mm
Cut hole pitch	71 mm
Cut hole Ø	2 x 68 mm

– flush wall-mounting or with adapter ring
– for flush mounting and hollow-wall mounting

Suitable for	Order no.	Page
Glass sensors		88

Design	Order no.	PU
wall box 2gang	**1870**	1

Berker TS/TS Crystal

Behind its elegantly purist exterior, there is an unexpected wealth of technical options: the Berker TS allows operation, not only of multiple light sources, but, if so desired, also of intelligent building control systems. With their fine platform and switching knobs MADE WITH SWAROVSKI ELEMENTS, the Berker TS Crystal lends refinement to any atmosphere.

04

Page

Cover plates

Glass cover plate

Dimensions (W x H x D)	86 x 160 x 5 mm
Screw length	25 mm

Other components from the B.7 glass range are available, e.g. socket outlets. Observe scale drawings!

- glass with polar white imprint on the backside
- with polar white plastic base
- each with 2 3.5 x 25 mm two-hole screws in chrome, gold and stainless steel for dismantling protection
- with screwdriver
- for vertical and horizontal mounting

Suitable for	Order no.	Page
Berker TS Crystal		95
Push-button, NO contact	1811 1 ..	94
Wall box	1809	96
Wall box for installation in hollow walls	1824	96
optional		
Two-hole screws 2 x M3.5 x 50 mm	1895 1 ..	96

Design	Order no.	PU
clear glossy, 1gang	**1391**	1
clear glossy, 2gang	**1392**	1
clear glossy, 4gang	**1394**	1

Glass cover plate with facet

Dimensions (W x H x D)	86 x 160 x 5 mm
Screw length	25 mm

- with all-round facet
- with polar white plastic base
- each with 2 3.5 x 25 mm two-hole screws in chrome, gold and stainless steel for dismantling protection
- with screwdriver
- for vertical and horizontal mounting

Suitable for	Order no.	Page
Berker TS Crystal		95
Push-button, NO contact	1811 1 ..	94
Wall box	1809	96
Wall box for installation in hollow walls	1824	96
optional		
Two-hole screws 2 x M3.5 x 50 mm	1895 1 ..	96

Design	Order no.	PU
clear glossy, 1gang	**1311**	1
clear glossy, 2gang	**1321**	1
clear glossy, 4gang	**1341**	1
clear glossy, 6gang	**1366**	1
clear glossy, 8gang	**1388**	1

Push-button, NO contact

Rated voltage	24 V
Momentary-contact current	1.5 A
Operating temperature	-20 ... +60 °C
Insertion depth	13 mm

For connection via system interfaces to KNX radio or KNX installations.

Alternatively, can be used to control relay circuits.

Only suitable for safety low voltages!

- brass, refined
- with plug-in terminals

Suitable for	Order no.	Page
optional		
System interfaces		118

Design	Order no.	PU
chrome glossy, brass galvanised	**1811 10**	10
gold glossy, 24-carat galvanised	**1811 12**	10
stainless steel matt, brushed nickel	**1811 13**	10

Berker TS Crystal

Push-button Crystal

Rated voltage	24 V
Momentary-contact current	1.5 A
Operating temperature	-20 ... +60 °C
Insertion depth	13 mm

– NO contact
– brass, refined
– with SWAROWSKI ELEMENTS
– with plug-in terminals

For connection via system interfaces to KNX radio or KNX installations.

Alternatively, can be used to control relay circuits.

Only suitable for safety low voltages!

Suitable for optional	Order no.	Page
System interfaces		118

Design	Order no.	PU
chrome glossy	**1964 00 01**	1

Push-button Black Diamond

Rated voltage	24 V
Momentary-contact current	1.5 A
Operating temperature	-20 ... +60 °C
Insertion depth	13 mm

– NO contact
– brass, refined
– with SWAROWSKI ELEMENTS
– with plug-in terminals

For connection via system interfaces to KNX radio or KNX installations.

Alternatively, can be used to control relay circuits.

Only suitable for safety low voltages!

Suitable for optional	Order no.	Page
System interfaces		118

Design	Order no.	PU
stainless steel matt	**1966 02 15**	1

Push-button Siam

Rated voltage	24 V
Momentary-contact current	1.5 A
Operating temperature	-20 ... +60 °C
Insertion depth	13 mm

– NO contact
– brass, refined
– with SWAROWSKI ELEMENTS
– with plug-in terminals

For connection via system interfaces to KNX radio or KNX installations.

Alternatively, can be used to control relay circuits.

Only suitable for safety low voltages!

Suitable for optional	Order no.	Page
System interfaces		118

Design	Order no.	PU
gold glossy	**1965 02 08**	1

Push-button Topaz

Rated voltage	24 V
Momentary-contact current	1.5 A
Operating temperature	-20 ... +60 °C
Insertion depth	13 mm

– NO contact
– brass, refined
– with SWAROWSKI ELEMENTS
– with plug-in terminals

For connection via system interfaces to KNX radio or KNX installations.

Alternatively, can be used to control relay circuits.

Only suitable for safety low voltages!

Suitable for optional	Order no.	Page
System interfaces		118

Design	Order no.	PU
gold glossy	**1965 02 03**	1

Supplementary products

Wall boxes

Wall box

– plastic

Suitable for	Order no.	Page
Glass cover plate		94
Glass cover plate with facet		94

Design	Order no.	PU
wall box	**1809**	50
wall box for installation in hollow walls	**1824**	50

Wall box 2gang

Dimensions (W x H x D)	68 x 139 x 75 mm
Cut hole Ø	2 x 68 mm
Cut hole pitch	71 mm

– flush wall-mounting or with adapter ring
– for flush mounting and hollow-wall mounting

Suitable for	Order no.	Page
Glass sensors		88

Design	Order no.	PU
wall box 2gang	**1870**	1

Accessories

Two-hole screws 2 x M3.5 x 50 mm

– brass, refined
– 2 pieces for fixing in deeper seated boxes

Design	Order no.	PU
chrome glossy, brass galvanised	**1895 10**	1
gold glossy, 24-carat galvanised	**1895 12**	1
stainless steel matt, brushed nickel	**1895 13**	1

Berker R.1/R.3
Touch Sensors

Just right for the switch programmes in the R.-Design is the Berker Touch Sensor – in a soft (R.1) and cornered (R.3) contour as well as in the glass surfaces black and polar white.
The KNX-Touch Sensor has the same assembly height as the switches in the R.-Design.
With its integrated bus coupling unit, a variety of building functions can be read and controlled through it.

05

Page

Touch sensors comfort

- With integrated bus coupling unit
- Operation by gently touching the sensor surfaces on the white LEDs
- For switch, push-button, dimmer and shutter functions
- Single and two push-button operation configurable
- Retrieval, setting and storing of 8 light scenes
- One push-button operation for switching, buttons, blinds and dimming
- Extension unit for light scene push-button
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- Additional connection for external temperature sensor
- Usable as thermostat extension unit
- Provision of the internal temperature value via communication object
- Blocking function for sensor surface e.g. for cleaning the glass surface
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte
- Bus connection via connecting terminal
- For mounting on a double box, e.g. order no. 1809 (flush mounting) or 1824 (hollow wall mounting)
- For vertical mounting
- With dismantling protection via a screw on the fastening ring
- For individually labelled glass and touch sensors (configured variations), the new Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at http://ts-glas-sensor.berker.de

Touch Sensor 1gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	81 x 152 x 10 mm

- with blue operation LED and 2 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform R.1/R.3
- for suitable frames in the same “style” for additional applications, see the Design line R.x

Suitable for optional	Order no.	Page
Temperature sensor	161	39
Wall box	1809	96
Wall box for installation in hollow walls	1824	96

Design	Order no.	PU
Berker R.1		
glass polar white	**7514 18 60**	1
glass black	**7514 18 65**	1
Berker R.1 - configured		
glass polar white	**7514 11 60**	1
glass black	**7514 11 65**	1
Berker R.3		
glass polar white	**7514 18 50**	1
glass black	**7514 18 55**	1
Berker R.3 - configured		
glass polar white	**7514 11 50**	1
glass black	**7514 11 55**	1

Touch Sensor 2gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	81 x 152 x 10 mm

– with blue operation LED and 4 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform R.1/R.3
– for suitable frames in the same “style” for additional applications, see the Design line R.x

Suitable for optional	Order no.	Page
Temperature sensor	161	39
Wall box	1809	96
Wall box for installation in hollow walls	1824	96

Design	Order no.	PU
Berker R.1		
glass polar white	**7514 28 60**	1
glass black	**7514 28 65**	1
Berker R.1 - configured		
glass polar white	**7514 21 60**	1
glass black	**7514 21 65**	1
Berker R.3		
glass polar white	**7514 28 50**	1
glass black	**7514 28 55**	1
Berker R.3 - configured		
glass polar white	**7514 21 50**	1
glass black	**7514 21 55**	1

Touch Sensor 3gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	81 x 152 x 10 mm

– with blue operation LED and 6 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform R.1/R.3
– for suitable frames in the same “style” for additional applications, see the Design line R.x

Suitable for optional	Order no.	Page
Temperature sensor	161	39
Wall box	1809	96
Wall box for installation in hollow walls	1824	96

Design	Order no.	PU
Berker R.1		
glass polar white	**7514 38 60**	1
glass black	**7514 38 65**	1
Berker R.1 - configured		
glass polar white	**7514 31 60**	1
glass black	**7514 31 65**	1
Berker R.3		
glass polar white	**7514 38 50**	1
glass black	**7514 38 55**	1
Berker R.3 - configured		
glass polar white	**7514 31 50**	1
glass black	**7514 31 55**	1

Touch Sensor 4gang comfort

- integrated bus coupling unit

Operating voltage	21 ... 32 V=
Current consumption	12.5 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	81 x 152 x 10 mm

– with blue operation LED and 8 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform R.1/R.3
– for suitable frames in the same “style” for additional applications, see the Design line R.x

Suitable for optional	Order no.	Page
Temperature sensor	161	39
Wall box	1809	96
Wall box for installation in hollow walls	1824	96

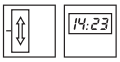
Design	Order no.	PU
Berker R.1		
glass polar white	**7514 48 60**	1
glass black	**7514 48 65**	1
Berker R.1 - configured		
glass polar white	**7514 41 60**	1
glass black	**7514 41 65**	1
Berker R.3		
glass polar white	**7514 48 50**	1
glass black	**7514 48 55**	1
Berker R.3 - configured		
glass polar white	**7514 41 50**	1
glass black	**7514 41 55**	1

Touch Sensors with thermostat

- With integrated bus coupling unit
- Operation by gently touching the sensor surfaces on the white LEDs
- For switch, push-button, dimmer, blind and thermostat functions
- Single and two push-button operation configurable
- One push-button operation for switching, buttons, blinds and dimming
- For individual single room temperature control
- For heating and/or cooling mode with/without auxiliary step
- Operating modes: comfort, standby, night operation and frost/heat protection adjustable
- LED display with symbol display
- With 2 additional sensor surfaces for display control
- Display of operating mode, controller lockout, room and outside temperature as well as time in connection with a clock
- Integrated temperature sensor
- Temperature measurement via internal and/or external temperature sensor with mean value formation
- Additional connection for external temperature sensor
- Provision of the internal temperature value via communication object
- Temperature control via local measurement or measured value via object
- Value transmitter for dimming, position, brightness and temperature values 1 and 2 byte
- Separate auxiliary power supply needed
- Operation with non-choked output of KNX voltage supply possible (pay attention to current consumption)
- Bus connection via connecting terminal
- For mounting on a double box, e.g. order no. 1809 (flush mounting) or 1824 (hollow wall mounting)
- For vertical mounting
- With dismantling protection via a screw on the fastening ring
- For individually labelled glass and touch sensors (configured variations), the Web Configurator generates a layout number, which must be additionally specified when placing the order.
- Many options for labelling (text and/or icons) are available via the **web configurator** at http://ts-glas-sensor.berker.de

Touch Sensor 2gang with thermostat

- integrated bus coupling unit
- display



Operating voltage	21 ... 32 V=
Current consumption	23 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	81 x 152 x 10 mm

Only suitable for KNX.

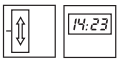
- with blue operation LED and 4 white status LEDs
- for additional products to complement the installation in matching colours/materials, refer to the Design platform R.1/R.3
- for suitable frames in the same “style” for additional applications, see the Design line R.x

Suitable for	Order no.	Page
Power supply 24 V DC RMD	TGA200	138
optional		
Temperature sensor	161	39
Wall box	1809	96
Wall box for installation in hollow walls	1824	96

Design	Order no.	PU
Berker R.1		
glass polar white	**7564 20 60**	1
glass black	**7564 20 65**	1
Berker R.1 - configured		
glass polar white	**7564 21 60**	1
glass black	**7564 21 65**	1
Berker R.3		
glass polar white	**7564 20 50**	1
glass black	**7564 20 55**	1
Berker R.3 - configured		
glass polar white	**7564 21 50**	1
glass black	**7564 21 55**	1

Touch Sensor 3gang with thermostat

- integrated bus coupling unit
- display



Operating voltage	21 ... 32 V=
Current consumption	23 mA
Operating temperature	-5 ... +45 °C
Dimensions (W x H x D)	81 x 152 x 10 mm

Only suitable for KNX.

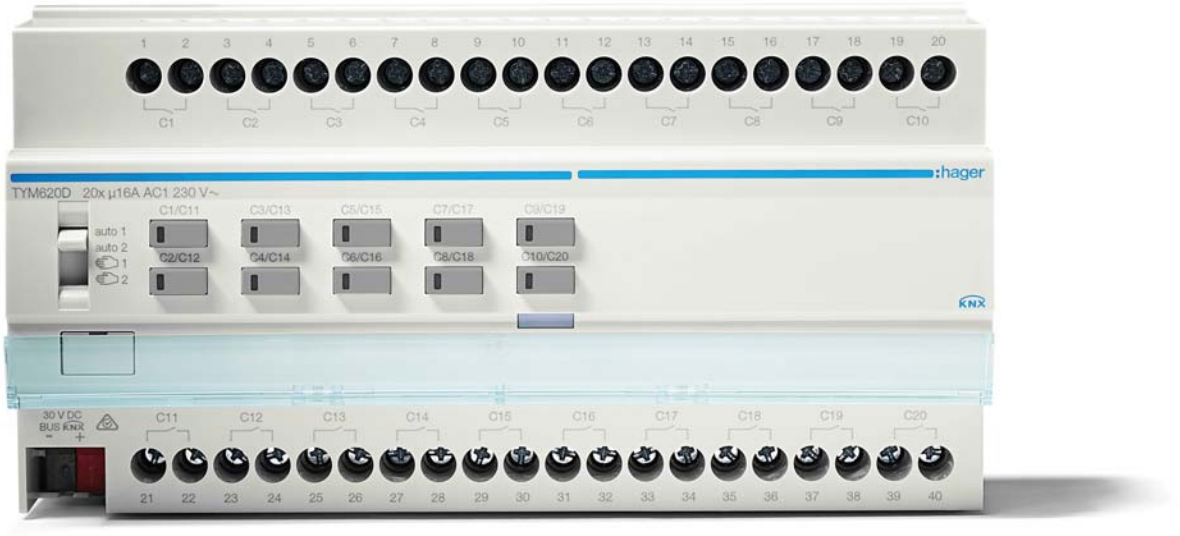
– with blue operation LED and 6 white status LEDs
– for additional products to complement the installation in matching colours/materials, refer to the Design platform R.1/R.3
– for suitable frames in the same “style” for additional applications, see the Design line R.x

Suitable for	**Order no.**	**Page**
Power supply 24 V DC RMD	TGA200	138
optional		
Temperature sensor	161	39
Wall box	1809	96
Wall box for installation in hollow walls	1824	96

Design	Order no.	PU
Berker R.1		
glass polar white	**7564 30 60**	1
glass black	**7564 30 65**	1
Berker R.1 - configured		
glass polar white	**7564 31 60**	1
glass black	**7564 31 65**	1
Berker R.3		
glass polar white	**7564 30 50**	1
glass black	**7564 30 55**	1
Berker R.3 - configured		
glass polar white	**7564 31 50**	1
glass black	**7564 31 55**	1

KNX inputs, outputs and system components

With KNX, a building provides a significant contribution to looking after itself: motion detectors activate lighting as necessary. Windows and doors left open by accident are signalled using magnetic contacts and can be closed automatically. In addition, when the windows are open, the heating/cooling system reduces output. Using the KNX bus system, your house can learn to adapt to changed environmental conditions.



06

Page

Presence detectors

KNX 2-channel presence detector

Supply voltage	Bus 30 V
Power consumption	12 mA
Lighting time delay via potentiometer	1 to 30 min
Presence time delay via potentiometer	30 s to 60 min
Brightness threshold	5 to 1200 lux
Recommended installation distance from ground	2.5 m to 3.5 m
Operating temperature	0°C to 45°C

- TX510 devices are 2-channel presence detectors capable of detecting low amplitude movements (e.g. person working in an office).
- 2 control channels via KNX bus.
- Time delay adjustment for brightness and presence controls via product potentiometers or via ETS.
- Brightness threshold adjustment via product potentiometer or via ETS.
- Detection is by means of 2 pyroelectric sensors located under detection lenses.
- Brightness sensor measures room brightness on a continuous basis, matching it against the brightness threshold set by potentiometer.
- The head of the detector is directional at 90° and can be used to adjust the detection area according to the room configuration.
- Application software allows configuring the 2 channel presence detector 360° TX510.
- The TX510 2-channel presence detector is sensitive to infrared rays associated with heat emitted by moving bodies. Lighting, roller shutter / blind, heating, priority and scene commands can be sent during movement detection, depending on the ambient brightness.
- The lighting channel controls a load in case of presence detection, when the ambient brightness is below an adjustable threshold.
- The presence channel controls a load in case of presence detection, without taking account of the ambient brightness.
- The ambient brightness threshold can be defined by parameterizing or on the device via a potentiometer.
- Lighting and presence delay function sends a command at the end of a delay when no presence has been detected during the delay ("absence" of persons). The delay value can be set by ETS or on the device via a potentiometer.
- Brightness probe locking (Lighting channel) function inhibits the brightness measurement of certain detectors when they control the same output.
- This function authorizes or forbids presence detection by the lighting channel (by a clock, for example, at certain periods). The presence channel continues operating independently.
- The operating mode (Automatic or Semi-automatic) is selected by ETS or via a switch directly on the device.
- Master/Slave function extends the motion detector's detection area by associating it with several other detectors.
- The Scene Execution function sends group commands to different kinds of outputs to create ambiences or scenarios (presence scenario, absence scenario ...)

Suitable for	Order no.	Page
Optional		
Mounting accessory	EE813	109

Design	Order no.	PU
white	**TX510**	1

KNX presence detector with light regulation

Supply voltage	29 V DC
Power consumption	12 mA
Lighting output operation time	1 to 30 min
Brightness threshold	5 to 1200 lux
Minimum adjustment range	0% to 50%
Presence level adjustment	mini to 100%
Recommended installation distance from ground	2.5 m to 3.5 m
Operating temperature	0°C to 45°C

- TX511 devices, in association with KNX dimmers, offer lighting control functions.
- 1 regulation channel via KNX bus.
- Brightness threshold, lighting time delay and minimum dimming level adjustment via product potentiometer or via ETS.
- They are designed to detect low amplitude movements (e.g. person working in an office).
- Detection is by means of 2 pyroelectric sensors located under detection lenses.
- A brightness sensor measures room brightness on a continuous basis, matching it against the brightness threshold set by potentiometer.
- The head of the detector is directional at 90° and can be used to adjust the detection area according to the room configuration.
- Application software allows configuring the 1-channel 360° presence detector lignt regulator TX511.
- The TX511 1-channel presence detector with light regulation is sensitive to infrared rays associated with heat emitted by moving bodies. It thus detects the presence or absence of persons in a room.
- Lighting level regulation can be active or inactive.
- When regulation is active, the regulation set points can be defined in Lux either via the potentiometer on the device or by ETS.
- When regulation is inactive, the dimming levels can be defined in %either via the potentiometer on the device or by ETS.
- Set point modification via push button function modifies the regulation set point or the dimming level in the presence of persons via a communicating push button. The new value is then stored.
- Lighting delay function starts a delay at each presence detection; it extends the presence period accordingly.
- Priority function allows overriding a regulation set point (active regulation) or a dimming level (inactive regulation).
- Authorization ON or OFF function authorizes or inhibits presence detection (by a clock, for example, at certain periods).
- The operating mode (Automatic or Semi-automatic) is selected by ETS or via a switch directly on the device.
- The Scene function allows defining, for a given scene number, regulation setpoints or lighting levels to create ambiences or scenarios (presence scenario, absence scenario ...)

Suitable for	Order no.	Page
Optional		
Mounting accessory	EE813	109

Design	Order no.	PU
white	**TXC511**	1

Mounting accessory

Dimensions	Ø70 x 45 mm

Suitable for	Order no.	Page
KNX 2-channel presence detector	TX510	108
KNX presence detector with light regulation	TXC511	109

Design	Order no.	PU
white	**EE813**	1

KNX presence detector 360° monobloc

Supply voltage	KNX bus 30 V DC
Busline consumption	12 mA
Lighting output operating time	1 min to 1 hr
Brightness level	5 to 1000 lux
Recommended installation distance from ground	2.5 m to 3.5 m
Detection range	Ø 7 m (installed product height: 2.5 m)
Hole size required	60 mm (flush mounted)
Operating temperature	0°C to 45°C

- Occupancy sensors TCC520E are presence detectors designed to detect low amplitude movements (e.g. person sitting at a desk).
- Detection is by means of a pyro-electric sensor located under detection lens.
- The occupancy sensor measures the brightness in the room on a continuous basis and compares it to the level preset on the potentiometer or ETS parameter.
- One direct lighting control channel (relay output of the product).
- One lighting control channel on the KNX bus.
- Control of presence/ absence mode.
- Time and brightness adjustment via ETS or remote control EE807.
- Area linking: the occupancy sensor in a room can switch the light on in the corridor beside or the opposite.
- In addition to the local load, the detector can also activate an actuator connected to the bus when presence is detected and brightness level is below a defined threshold.
- The brightness threshold can be defined by ETS or directly on the device via a potentiometer or by means of the installer remote control EE807.
- The lighting time delay defines the activation duration of the lighting channel in case of occupancy. This delay may be reduced when there is enough ambient light. It can be set locally via potentiometer, remote control ETS, EE807.
- The Lighting channel and local load can also be switched on via the remote control ETS or via a EE808 push button.
- Authorization ON or OFF (Lighting channel) function authorizes or forbids presence detection by the lighting channel (by a clock, for example, at certain periods).
- The operating mode (Automatic or Semi-automatic) is selected by parameterizing or via a switch directly on the device.
- This function extends the presence detector‘s detection area by associating several other detectors.
- The local load can be controlled by the presence detector or directly via communication objects;

Suitable for Optional	Order no.	Page
IR configuration hand-held transmitter for presence detector	EE807	113
IR hand-held transmitter for presence detector	EE808	112
Mounting accessory	EEK005	112

Design	Order no.	PU
white	**TCC520E**	1

KNX presence detector with regulation DALI/DSI

Supply voltage	KNX bus 30 V DC
Busline consumption	12 mA
Lighting output operating time	1 min to 1 hr
Brightness level	5 to 1000 lux
Recommended installation distance from ground	2.5 m to 3.5 m
Detection range	Ø 7 m (installed product height: 2.5 m)
Hole size required	60 mm (flush mounted)
Operating temperature	-10°C to 45°C

- Presence detector with regulation DALI/DSI Occupancy sensors TCC521E are presence detectors designed to detect low amplitude movements (e.g. person sitting at a desk).
- Detection is by means of a pyro-electric sensor located under detection lens.
- The occupancy sensor measures the brightness in the room on a continuous basis and compares it to the level preset on the potentiometer (or by means of the remote control EE807 or ETS parameter).
- One lighting control channel on the KNX bus.
- Control of presence/ absence mode.
- Time and brightness adjustment via ETS or remote control EE807.
- Area linking: the occupancy sensor in a room can switch the light on in the corridor beside or the opposite.
- Application software allows configuring the light regulator -channel of TCC521E.
- The TCC521E presence detector for light regulation embeds a DALI/DSI interface that will be used to control directly DALI/DSI ballasts.
- It can also control KNX dimmers and KNX/DALI gateways (TX216) to fulfill the light regulation functionality.
- The lighting regulation process is activated according the presence and absence.
- When regulation is active, the detector regulates the lighting level in the room according to a set-point value in Lux in the presence of persons and according to another set-point value in the absence of persons.
- When regulation is inactive, the detector sets the dimming level of the dimmer outputs to a configurable set % value in the presence of persons and to another configurable set value in the absence of persons.
- Time delay (Lighting and regulation functions) function starts a delay at each presence detection; it extends the presence period accordingly.
- Authorization ON or OFF (Lighting and regulation functions) function authorizes or inhibits presence detection (by a clock, for example, at certain periods).
- The operating mode (Automatic or Semiautomatic) is selected by parameterizing or via a switch directly on the device.
- The Scene function allows defining, for a given scene number, regulation set-points or lighting levels to create ambiences or scenarios (presence scenario, absence scenario).
- Remote control via infra red control EE808.
- Setup with the installer remote control EE807.
- Linking Master / Slave function extends the motion detector‘s detection area by associating several other detectors.
- In addition to the lighting regulation channel, the detector can also activate an actuator connected to the bus, when presence and brightness level is below a defined threshold.

Suitable for	Order no.	Page
Optional		
IR configuration hand-held transmitter for presence detector	EE807	113
IR hand-held transmitter for presence detector	EE808	112
Mounting accessory	EEK005	112

Design	Order no.	PU
white	**TCC521E**	1

KNX presence detector monobloc without relay

Supply voltage	KNX bus 30 V DC
Busline consumption	10 mA
Lighting output operating time	1 min to 1 hr
Brightness level	5 to 1000 lux
Recommended installation distance from ground	2.5 m to 3.5 m
Detection range	Ø 7 m (installed product height: 2.5 m)
Hole size required	60 to 63 mm (flush mounted)
Operating temperature	-10°C to 45°C

- High performance detectors to be used in premises or in passage areas, where they increase comfort and reduce drastically energy costs.
- KNX commissioning via ETS or TX100

Suitable for	Order no.	Page
Optional		
IR configuration hand-held transmitter for presence detector	EE807	113
IR hand-held transmitter for presence detector	EE808	112
Mounting accessory	EEK005	112

Design	Order no.	PU
white	**TCC510S**	1

KNX presence detector monobloc multi-channel

Supply voltage	KNX bus 30 V DC
Busline consumption	315 mA
Lighting output operating time	1 min to 1 hr
Brightness level	5 to 1000 lux
Recommended installation distance from ground	2.5 m to 3.5 m
Detection range	Ø 7 m (installed product height: 2.5 m)
Hole size required	60 to 63 mm (flush mounted)
Operating temperature	-10°C to 45°C

- High performance detectors to be used in premises or in passage areas, where they increase comfort and reduce drastically energy costs.
- KNX commissioning via ETS.

Suitable for	Order no.	Page
Optional		
IR configuration hand-held transmitter for presence detector	EE807	113
IR hand-held transmitter for presence detector	EE808	112
Mounting accessory	EEK005	112

Design	Order no.	PU
white	**TCC530E**	1

Mounting accessory

Suitable for	Order no.	Page
KNX presence detector monobloc w/o relay	TCC510S	112
KNX presence detector monobloc multi-channel	TCC530E	112

Design	Order no.	PU
white	**EEK005**	1

IR hand-held transmitter for presence detector

Dimensions (L x W x H)	120 x 70 x 10 mm
Battery service life	≈ 3.5 years

Scope of functions dependent on the controlled presence detector.

Required battery (CR 2032) is included in the scope of delivery.

For control for the lighting connected to the presence detector.

IP30

- RC6 code
- additional acknowledgement LED for displaying the IR transmission
- with 4 function buttons (calling up/saving light scene)
- with green “on” and red “off” button (on/off, dimmer function)

Suitable for	Order no.	Page
KNX presence detector 360° monobloc	TCC520E	110
KNX presence detector with regulation DALI/DSI	TCC521E	111
KNX presence detector monobloc without relay	TCC510S	112
KNX presence detector monobloc multi-channel	TCC530E	112

Design	Order no.	PU
black matt	**EE808**	1

IP30

IR configuration hand-held transmitter for presence detector

Dimensions (L x W x H)	111 x 63 x 10 mm
Battery service life	≈ 3.5 years

Required battery (CR 2032) is included in the scope of delivery.

For convenient configuration of supported presence detectors.

- RC6 code
- additional acknowledgement LED for displaying the IR transmission
- 15 buttons with integrated status-LED
- 3 configuration ranges for control, switch-off delay, brightness threshold
- setting of the brightness threshold manually, by default values or teach-in mode
- default settings can be selected for the brightness threshold daylight, office, corridor
- 2 configuration memories for identical configuration of several presence detectors

Suitable for	Order no.	Page
KNX presence detector 360° monobloc	TCC520E	110
KNX presence detector with regulation DALI/DSI	TCC521E	111
KNX presence detector monobloc without relay	TCC510S	112
KNX presence detector monobloc multi-channel	TCC530E	112

Design	Order no.	PU
black matt	**EE807**	1

Light sensitive switch

Light sensitive switch

Supply voltage	Bus 29 V
Maximum connection distance of probe	100 m
Operating range	2 to 200 lux 200 to 20000 lux
Operating temperature	0°C to 45°C
Size	2 modules

This product is mainly intended for automatic control of inside/outside lighting circuits (ON/OFF and dimming controls) and blinds or rolling shutters according to ambient lighting level.

Associated with an external probe, this lightsensitive switch measures natural lighting and controls circuits according to a preset threshold range of 2 to 20000 lux.

Several light sensitive switches may be chained to increase the number of channels. In this case, only one probe is connected to one of the light sensitive switches.

Suitable for	Order no.	Page
Cell for flush mounting	EE002	113
Cell for wall mounting	EE003	113

Design	Order no.	PU
without cell	**TXA025**	1
with cell	**TXA026**	1

Cell for flush mounting

Dimensions	89 x 48 x 32 mm
Connection	flexible 2 x 0.75 mm² / 1m
IP	54
Operating temperature	-30°C to 60°C

- Delivered with 1 m cable

Suitable for	Order no.	Page
Light sensitive switch without cell	TXA025	113
Light sensitive switch with cell	TXA026	113

Design	Order no.	PU
cell for flush mounting	**EE002**	1

Cell for wall mounting

Dimensions	25 x 25 x 20 mm
Connection	fixed 1 to 4 mm²
IP	54
Operating temperature	-30°C to 60°C

Suitable for	Order no.	Page
Light sensitive switch without cell	TXA025	113
Light sensitive switch with cell	TXA026	113

Design	Order no.	PU
cell for wall mounting	**EE003**	1

Physical sensors

KNX weather station

Weather station with GPS surface-mounted

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V~/=
Rated current (heating incl.)	81 mA
Brightness measuring range	0 ... 150000 lx
Temperature measuring range, linear	- 30 ... + 80 °C
Measuring range, wind speed	0 ... 35 m/s
Precipitation (Yes/No)	1 bit
Operating temperature	- 30 ... + 50 °C
Dimensions (W x H x D)	96 x 77 x 118 mm
Weight	≈ 170 g

For detection of wind, precipitation, temperature and brightness as well to process the signals.

Ensure correct orientation and free-standing installation.

- with wind, precipitation, twilight, temperature and brightness sensor
- with automatic summer/winter time change-over
- with heater element for winter operation
- with red programming LED
- for control of shading systems for up to 4 facades
- easy commissioning by means of predefined parameters
- predefined parameters when activating heat protection function or heat recovery function
- periodical emission for outside temperature, frost alarm, brightness, day/night mode, wind alarms and rain alarm predefined
- three preset limit values for wind alarm
- bus connection via connecting terminal
- with plug-in terminals for power supply
- for wall and mast assembly
- with pipe clamp for mast fixing

Suitable for optional	Order no.	Page
KNX power supply 2 x 320 mA + 24 V DC, 640 mA RMD	TXA114	137
Electrical power supply 24 V DC RMD	TGA200	138

Design	Order no.	PU
white transparent	**TXE530**	1

KNX weather station

Supply voltage	12-40 V DC 12-28 V AC
Consumption	max. 81 mA 24 V DC 10 % residual ripple
IP	44
Operating temperature	-30 °C to 50°C
Dimensions	96 x 77 x 118 mm

The weather station GPS-KNX TG053A measures the outdoor temperature, the wind speed and light. It detects rain and daylight fall.

The weather station gets date/time and site location data from GPS signals. It calculates also the exact position of the sun (Azimuth and Altitude) based on site coordinates and date/time data. This information (brightness level and sun position) is used to control blinds with slats based on sun tracking for up to 6 building frontages.

TG053A compact case houses all sensors, electronic data processing gear, GPS antenna and KNX bus connection.

The values measured are sent to the KNX bus as physical values (2x8 bits ou 1 bit). Each output has communication objects indicating the measured and calculated values. The state of outputs depends on one or more levels. Thresholds can be defined by settings or the communication objects.

The weather station TG053A includes an annual clock and a weekly clock. The clock channels can switch the outputs using the communication objects. The weekly clock controls up to four different time settings for each day of the week. The annual clock can be used to define up to three periods in the year with two daily ON/OFF commands for each of them. The switching times can be defined by settings or the communication objects.

The weather station also has 8 logical AND gates and 8 logical OR gates, each with four inputs. All control events, time programs, and the 8 logical inputs (such as communication objects) can be used as inputs of logical gates. The output of each gate can be configured in 1-bit or 2 x 8-bit format.

ETS software performs KNX configuration.

Suitable for	Order no.	Page
Support for TG053 weather station, big	TG353	115
Analogue input 4gang RMD	ST312	138
Power supply 1x30V, 320 mA + 1x24V, 640 mA RMD	TXA114	137
Electrical power supply 24 V DC RMD	TGA200	138

Design	Order no.	PU
white	**TG053A**	1

Support for TG053 weather station

Suitable for	Order no.	Page
KNX weather station	TG053A	114
Weather station with GPS surface-mounted	TXE530	114

Design	Order no.	PU
big (75 x 60 x 360 mm)	**TG353**	1
small (45 x 53 x 60 mm)	**TG354**	

Power supply for TG053 weather station

Supply voltage	230 V 160 mA max 24 V DC TBTS 0.25 A max
IP	54
Operating temperature	-25 °C to 50°C
Dimensions	50 x 50 x 24 mm

Design	Order no.	PU
black	**TP110**	1

Analogue inputs

Analogue input 4gang RMD

Frequency	50/60 Hz
Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V~
Voltage, inputs	0-1; 0-10 V
Input impedence, voltage	18 kΩ
Sensor output voltage	24 V=
Sensor output current	max. 100 mA
Current consumption	170 mA
Inputs, current	0-20; 4-20 mA
Input impedence, current	100 Ω
Limit values	per channel 2
Operating temperature	-5 ... +45 °C
Assembling height as from DIN rail	63 mm
Dimensions (W x H x D)	72 x 90 x 70 mm
Width of rail mounted device (RMD)	4 TE

- with green/red status LED (operation/fault)
- with programming button and red programming LED
- for active sensors
- for wind, precipitation, brightness, temperature, twilight as well as humidity and temperature sensor, surface-mounted
- extendable with an analogue input module 4gang
- bus connection via connecting terminal
- inputs configurable can be set individually
- input 4-20 mA will be controlled for wire break
- cyclic transmission or transmission at absolute input modification settable
- with screw terminals
- with system interface for analogue input module

Suitable for	Order no.	Page
Electrical power supply 24 V DC RMD	TGA200	138
Optional		
Safety transformer	ST312	138

The analogue input is for the registration and treatment of independent analogue sensor signals. Depending on the input signal, limiting value messages can be transmitted via KNX.

Input signals to according to DIN IEC 381-1, -2

Design	Order no.	PU
light grey	**TYF784**	1

Wind gauge

Wind gauge

Supply voltage	230 V AC 50 Hz
contact loading capacity	230 V AC 4 A
IP	65
Operating temperature	-25 °C to 50°C
Dimensions of the enclosure	80 x 100 x 52 mm

- Adjustment of wind's speed limit : up to 55 km/h (range ex-works 25 km/h)
- Reaction time when exceeding this limit : 3 seconds (5 seconds max.)
- Close time at wind : 10 minutes (fixed)

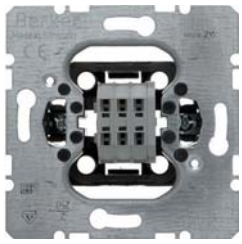
In the system tebis, the wind gauge TG050 is used as a protection device for solar shading equipment against strong wind. The speed of the wind is measured by the wind gauge.

If the wind's speed exceeds the value adjusted on the potentiometer for longer than three seconds, the solar shading equipment is retracted and kept in security position for 10 minutes.

After this delay, if the wind speed has decreased, the solar shading equipment can again be controlled by switches.

Design	Order no.	PU
wind gauge and connection enclosure IP65	**TG050**	1

Sensor insert



Sensor insert

- e.g. for temperature sensor PT100
- with plug-in terminals
- without spreader claws

Design	Order no.	PU
Sensor insert	**7594 10 01**	10

Central plate for sensor insert

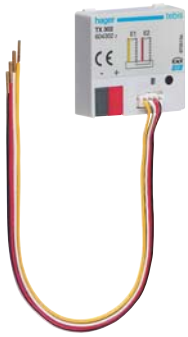
Caution!
Use only with intermediate ring for central plate from the corresponding range.
Labelling field cannot be used.

- e.g. for temperature sensor PT100
- with slots for air circulation

Design	Order no.	PU
Berker S.1/B.3/B.7, Q.1/Q.3, K.1/K.5		
white glossy	**7594 04 02**	1
polar white glossy	**7594 04 09**	1
polar white matt/velvety	**7594 04 89**	1
anthracite matt	**7594 04 85**	1
aluminium matt, lacquered	**7594 04 83**	1
light bronze matt, lacquered	**7594 04 04**	1
stainless steel matt, lacquered	**7594 04 03**	1

Input modules

- Power supply by Bus.
- The modules are installed in a 60 mm dia. Flush mounting box in association with a push button or a switch.
- Application software is used to configure the individual inputs.
- The sensors associated to the inputs (push buttons, switches, automatic controls) are used to control lighting, shutters, blinds.
- The Toggle Switch function changes the status of the controlled output whenever it is operated.
- This function is used for switching lighting, blind or heating circuits ON or OFF. The command may come from switches, push buttons or automatic controls.
- This function is used to control lighting circuits using one or two buttons
- The ON / OFF function transmits the ON / OFF object (short key-press).
- The Dimming function transmits the Dimming object (long key-press).
- This function controls a shutter or a blind using one or two push buttons.
- The Up / Down function transmits the Up / Down object (long key-press).
- The Stop / Angle function transmits the Stop / Angle object (short key-press).
- The Alarm 1 and Alarm 2 functions allow alarms coming from automatic controls to be periodically emitted (anemometer, rain detector, light sensitive switch, etc.)
- The Heating mode function is used to select a heating or air conditioning set point (Comfort, Eco, Frost protection, Absence). The command may come from switches, push buttons or automatic controls.
- The Value function (2 byte) is used for sending: Percentage %, Temperature °C, Luminosity level Lux, Brightness value % and Value 0-65535.
- The Scene function is used to select and storing scenes.
- The Timer function is used to switch ON or OFF a lighting circuit, shutters, heating for an adjustable time.
- The Priority function allows an input to be forced to a defined status.
- The Two Channel mode function allows controlling, with the same push button, two independent circuits having different functions.
- The Jamming function is used to lock an input via an object on the bus.
- With programming button and red programming LED.

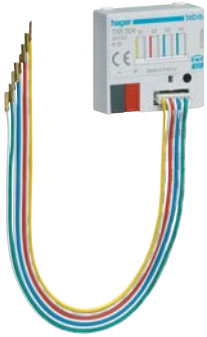


2-input universal module

Contact current	0.5 mA
Supply voltage	30V DC
Busline max consumption	7 mA
Dimensions	38 x 35 x 12 mm
Degree of protection	IP 30
Operating temperature	+0 ... +45°C
Storage temperature	-20 ... +70°C
Standards	EN 60 669-2-1 NF EN 50 428

- Universal input modules are used to interface contacts free of potential with KNX bus.
- In this way, push buttons, switches or conventional automatic controls can become communicating devices.
- 2 independent channels.

Design	Order no.	PU
light grey, 2gang	**TXB302**	1



4-input universal module

Contact current	0.5 mA
Supply voltage	30V DC
Busline max consumption	8 mA
Dimensions	38 x 35 x 12 mm
Degree of protection	IP 30
Operating temperature	+0 ... +45°C
Storage temperature	-20 ... +70°C
Standards	EN 60 669-2-1 NF EN 50 428

- Universal input modules are used to interface contacts free of potential with KNX bus.
- 4 independent channels.

Design	Order no.	PU
light grey, 4gang	**TXB304**	1

4 LED kit

Suitable for	Order no.	Page
2-input / 2-output indication of state	TXB322	118
4-input / 4-output indication of state	TXB344	118

Design	Order no.	PU
Ø 5mm, red	**TG308**	1

Input / output modules

- Power supply by Bus.
- Control of 2 LEDs.
- The modules are associated with push buttons or switches and are installed in a flush-mounted wall box of diameter 60mm and adapted depth.
- Connection length to push button and LEDs shall not exceed 5m.
- Physical addressing is done using push button and LED.
- Application softwares are used to configure the individual inputs of the TXB322 products.
- The products allow controlling lighting, blinds, shutters, heating and scenes.
- The Priority function sends priority-start or priority-stop commands.
- The Scene function sends group controls to different kinds of outputs to create ambiences or scenarios (leaving home scenario, reading ambience, etc.).
- The Jamming function authorizes product locking. Jamming forbids sending commands.
- The 2-channel mode function allows controlling, with the same push button, 2 independent circuits having different functions.
- LED outputs (statusindication) control the lighting of standard LED signal lamps.

2-input / 2-output module LED (status indication)

LED outputs specifications	I = 850 µA U = 1.8V DC
Supply voltage	30V DC
Busline max consumption	15 mA
Dimensions	38 x 35 x 12 mm
Degree of protection	IP 30
Operating temperature	+0 ... +45°C
Storage temperature	-20 ... +70°C
Standards	EN 60 669-2-1 NF EN 50 428

- The universal input modules interface potential free contacts with KNX.
- Push buttons, switches and conventional automatisms can thus be used to drive standard LED indicators.
- Outputs can control conventional signaling LEDs.
- 2 independent channels.

Suitable for	Order no.	Page
Berker TS Crystal		95
Glass sensors with thermostat		90
Push-button, NO contact	1811 1.	91
Optional		
4 LED kit	TG308	117

Design	Order no.	PU
light grey, 2gang	**TXB322**	1

4-input / 4-output module LED (status indication)

LED outputs specifications	I = 850 µA U = 1.8V DC
Supply voltage	30V DC
Busline max consumption	15 mA
Dimensions	38 x 35 x 12 mm
Degree of protection	IP 30
Operating temperature	+0 ... +45°C
Storage temperature	-20 ... +70°C
Standards	EN 60 669-2-1 NF EN 50 428

- The universal input modules interface potential free contacts with KNX.
- 4 independent channels.

Suitable for	Order no.	Page
Berker TS Crystal		95
Glass sensors with thermostat		90
Push-button, NO contact	1811 1.	94
Optional		
4 LED kit	TG308	117

Design	Order no.	PU
light grey, 4gang	**TXB344**	1

Universal interface 8-gang comfort

Supply bus KNX	24 VDC (+6 /-4 V)
Power consumption KNX	max. 6mA
Number of inputs	up to 8
Wiring length	≤ 10 m
Constant current	0.8 mA
Dimensions	44 x 48 x 32 mm
Ambient temperature	-5 °C to +45 °C
Protective system	IP20

The eight-port universal interface, extra has eight channels which work as inputs or outputs, depending upon the loaded application.

Separately programmable for each input: Switching, toggling, dimming (two-key principle)*, dimming (single-key principle), Venetian blind*, dimming value transmitter, calling lightscapes, storing lightscapes, control, forced action.

* For dimming (two-key principle) and Venetian blind applications, two inputs are necessary, in each case.

Suitable for	Order no.	Page
Berker TS Crystal		95
Glass sensors with thermostat		90
Push-button, NO contact	1811 1.	94

Design	Order no.	PU
light grey, 4gang	**TYB708D**	1

Binary inputs

- Power failure detection is available to filter false alarms due to cut-off of all inputs connected on the same reference phase.
- Output states are displayed on the product.
- Outputs can be controlled manually from the product
- Application software is used to configure the individual inputs
- The sensors associated to the inputs (push buttons, switches, automatic controls) are used to control lighting, shutters, blinds
- The Toggle Switch function changes the status of the controlled output whenever it is operated
- This function is used for switching lighting, blind or heating circuits ON or OFF. The command may come from switches, push buttons or automatic controls
- This function is used to control lighting circuits using one or two buttons
  - The ON / OFF function transmits the ON / OFF object (short key-press)
  - The Dimming function transmits the Dimming object (long key-press)
- This function controls a shutter or a blind using one or two push buttons.
  - The Up / Down function transmits the Up / Down object (long key-press)
  - The Stop / Angle function transmits the Stop / Angle object (short key-press)
- The Alarm 1 and Alarm 2 functions allow alarms coming from automatic controls to be periodically emitted (anemometer, rain detector, light sensitive switch, etc.)
- The Heating mode function is used to select a heating or air conditioning set point (Comfort, Eco, Frost protection, Absence).
- The command may come from switches, push buttons or automatic controls.
- The Value function (2 byte) is used for sending: Percentage %, Temperature °C, Luminosity level Lux, Brightness value % and Value 0-65535.
- The Scene function is used to select and storing scenes.
- The Timer function is used to switch ON or OFF a lighting circuit, shutters, heating for an adjustable time
- The Priority function allows an input to be forced to a defined status
- The Two Channel mode function allows controlling, with the same push button, two independent circuits having different functions.
- The Jamming function is used to lock an input via an object on the bus
- The power cut detection function is used for specific management of an input during a power cut, taking into account all the status changes which could occur during this period
- With programming button and red programming LED
- Bus connection via connecting terminal
- quickconnect terminal

4-channel input module

Signal voltage	230V AC 50 Hz
Maximum connection distance per input	100 m
Minimum contacts closing time	18 ms
Low signal level	0 -> 100 V
High signal level	> 195 V
Supply voltage	30V DC
Busline max consumption	4 mA
Width	4 modules
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm²

- Universal input modules allow interfacing 230V AC contacts supplied by KNX bus
- In this way, push buttons, switches or conventional automatic controls can become communicating devices
- 4 independent channels can be connected on different phases
- It is possible to connect 10 illuminated push buttons per channel

Design	Order no.	PU
light grey	**TXA304**	1

6-channel input module

Signal voltage	24 ... 230V AC (50Hz)/DC
Maximum connection distance per input	100 m
Minimum contacts closing time	50 ms
Supply voltage	30V DC
Busline max consumption	7 mA
Width	6 modules
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm²

- Universal input modules allow interfacing contacts free of potential or supplied with 24…230V AC/DC power by bus KNX.
- In this way, push buttons, switches or conventional automatic controls can become communicating devices.
- 6 independent channels with automatic recognition of the type of connected circuit (24…230V AC/DC or circuit free of potential).
- It is possible to connect 5 illuminated push buttons per channel

Design	Order no.	PU
light grey	**TXA306**	1

10-channel input module

Signal voltage	230V AC 50 Hz max
Maximum connection distance per input	100 m
Minimum contacts closing time	18 ms
Low signal level	0 -> 100 V
High signal level	> 195 V
Supply voltage	30V DC
Busline max consumption	15 mA
Width	6 modules
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm^2

- Universal input modules allow interfacing 230V AC contacts supplied by KNX bus
- In this way, push buttons, switches or conventional automatic controls can become communicating devices
- 10 independent channels can be connected on different phases

Design	Order no.	PU
light grey	**TXA310**	1

Time switches

2-channel electronic time switches weekly cycle

Supply voltage	Bus 30 V DC
Consumption	9.5 mA max (TXA022) 10 mA max (TXA023)
IP	20
Operating temperature	-5 °C to 45°C
Size	2 modules

- Product delivered with current time and date set.
- Automatic change of winter / summer time
- Programming key:
  - for permanent overrides,
  - for program copy or save
- Programming for day or group of days
- 56 program steps On, Off , 1 s to 30 min pulse or options
- Permanent overrides On or Off (permanent light on).
- ON or OFF temporary priority settings, using configuration tools
- Temporary overrides On or Off (flashing)
- Holiday mode : overrides On or Off between two dates
- Simulation of presence
- Display bar graph of daily profile for both channels.
- Keyboard locking possible
- Programmable with power off
- DCF Synchronization (only for TXA023)
- Possible transmission of date and time on the bus

Design	Order no.	PU
weekly time switch	**TXA022**	1
weekly time switch with DCF	**TXA023**	1

4-channel programmer annual and weekly cycle with programming key

Supply voltage	21...32 V DC SELV
Bus consumption	max. 25mA
IP	20
Operating temperature	-10 °C to 50°C
Size	4 modules

- Product delivered with current time and date set.
- Automatic change of winter / summer time
- Programming key:
  - for permanent overrides,
  - for program copy or save
- Programming for day or group of days
- 300 program steps On, Off , ⎍ or ⎍⎍
- Permanent overrides On or Off (permanent light on).
- Temporary overrides On or Off (flashing)
- Overrides (temporary, permanent or time delayed) remote activation possible.
- Simulation of presence
- Keyboard lock function by PIN number
- Counter of operating time on every output
- Programmable with power off
- Display with backlight

Design	Order no.	PU
yearly time switch	**TYA720**	1

DCF receiver for time switch

Operating temperature	- 20 ... + 50 °C	– with radio receiver for the DCF77 signal
Line length	max. 200 m	– with wall bracket and screw fitting
Conductor cross-section (flexible)	0.5 ... 1.5 mm²	
Conductor cross-section (rigid)	0.5 ... 2.5 mm²	

Design	Order no.	PU
DCF receiver for time switch	**EG001**	1

Lock key

Avoids unrequested handling of the TXA022 and TXA023 time switches.

Design	Order no.	PU
yellow	**EG004**	1

Programming key

Allows complementary programms back-up for TXA022 and TXA023 time switches.

Design	Order no.	PU
grey	**EG005**	1

Storage tray for programming keys

Suitable for	Order no.	Page
Blocking key for time switches	EG004	121
Programming key for time switches	EG005	121

Design	Order no.	PU
Storage tray for programming keys	**EG006**	1

USB programming software

Operating temperature 0 ... +40 °C

Design	Order no.	PU
USB programming software	**EG003G**	1

Consumption indicator and energy meters

KNX consumption indicator

Bus power supply	30 V DC (TBTS)
Mains power supply	230 V AC +10/-15% 50 Hz
Max. consumption on the bus	15 mA to 30 V DC
Dissipated output	0.5 W max
Connection capacity: - for the upper terminals - for the lower terminals	 0.75 to 2.5 mm² 0.2 to 1.5 mm²
IP	20
Operating temperature	-5 °C to 45°C
Size	6 modules

The consumption indicator informs users of their consumption through 4 metering channels. It is used to monitor and control energy consumption and is built into an automatic global energy management system.

- This product can be used in a single-phase or three-phase installation. In three-phase, consumption is measured phase by phase
- The data is sent on the KNX bus
- In addition to metering, the consumption indicator also has:
  - 1 tariff input T1/T2
  - a temperature input for the connection of a probe
- The system can be constructed with several TE330. This thus makes it possible to measure one or more circuits using toroids
- The consumption indicator is adapted for use with domovea. In this case, the display devices are:
  - meter (consumption)
  - meter (production)
  - energy
  - power
  - sub-counter (consumption)
- It can also be interfaced with the ambiance units or other display systems thanks to objects sent on the KNX bus
- It is used to display the current tariff and the energy consumption according to the current tariff. The tariff can also be distributed to other devices on the bus
- Includes 3 current transformers and straps.

Design	Order no.	PU
without current transformer	**TE332**	1
with current transformer	**TE331**	1

Current transformer 1850 - 1A

CT ratio	up to 90 A
Operating range	0.2 ... 90 A
Connection capacity (flexible)	0.5 mm²

Suitable for	Order no.	Page
KNX consumption indicator	TE33.	122

Design	Order no.	PU
current transformer	**EK028**	1

Three phase energy meter, direct reading 100A

Voltage	230 V AC 50/60 Hz
Starting current	80 mA
Base current	20 A
Max current	100 A

Energy meters are aimed to measure the active energy consumed by an installation.

They permit to have under control the real cost of an installation and to divide the consumption between the different appliances.

- Fully compliant with the european standard EN50470-3.
- Class B.
- Accuracy 1%
- Energy readout : 7 digits.
- Backlighted display
- Indication of instantaneous power consumption
- Total / partial counter (excepted MID references)
- Pulsed ouput
- unlimited saving of measures.
- LED flashing according to consumption.
- Option : tarif 1 / tarif 2.
- Three phases energy meters are adapted to all kind of networks.
- Display indication in case of bad wiring.

Design	Order no.	PU
light grey	**TE360**	1

Three phase energy meters, connection via current transformers

Voltage	230/400 V AC 50/60 Hz
Starting current	10 mA
Max current on CT secondary	6A

Energy meters are aimed to measure the active energy consumed by an installation.

They permit to have under control the real cost of an installation and to divide the consumption between the different appliances.

- Fully compliant with the european standard EN50470-3.
- Class B.
- Accuracy 1%
- Energy readout : 7 digits.
- Backlighted display
- Indication of instantaneous power consumption
- Total / partial counter (excepted MID references)
- Pulsed ouput
- unlimited saving of measures.
- LED flashing according to consumption.
- Option : tarif 1 / tarif 2.
- Three phases energy meters are adapted to all kind of networks.
- Display indication in case of bad wiring.

Design	Order no.	PU
light grey	**TE370**	1

Current transformers for TE360 and TE370

Design	Order no.	PU
50 / 5 A	**SRA00505**	1
100 / 5 A	**SRA01005**	1
150 / 5 A	**SRA01505**	1
200 / 5 A	**SRA02005**	1
250 / 5 A	**SRA02505**	1
300 / 5 A	**SRI03005**	1
400 / 5 A	**SRC04005**	1
600 / 5 A	**SRC06005**	1
800 / 5 A	**SRD08005**	1
1000 / 5 A	**SRD10005**	1
1500 / 5 A	**SRD15005**	1
2000 / 5 A	**SRE20005**	1

KNX impuls gateway

Powering through the bus	20 to 30 V ⎓ TBTS
Bus consumption	TXE771: 7 mA max (6 mA typ) TXE773: 8 mA max (6 mA typ)
Battery capacity	1.2 Ah
Protection index	IP44
Operating temperature	-20°C to +55°C
Dimensions	150 x 85 x 35 mm

Powered by the bus, these two gateways count pulses (multi-energy).

- An integrated battery ensures metering for 30 days of bus cutout and data backup.
- The input not only allows interfacing S0 signals of type EN62053-31 and EN1434-2, EN1434-3 but also potential free contacts.
- The gateways transmits the metering data from the flow or energy sensors to the bus.
- Pulse visualizer LED
- Synchronization with the existing electricity tariff through the bus possible with KNX TE331 consumption indicators
- 1 totalizing meter + 1 partial meter for each measurement category
- Setting of pulse inputs. Each of the inputs must be set to define the type of measurement category and the weight of the pulses:
  - Volume or energy for calorimetry.
  - Volume for the flowmeter
  - Volume of gas meters
  - Energy for the electric meters

Design	Order no.	PU
light grey, single input	**TXE771**	1
light grey, triple input	**TXE773**	1

Din rail switching actuators

- Common parameter of switching actuator
- Output states are displayed on the product.
- Outputs can be controlled manually from the product
- Each output to be individually configurated for Lighting or Heating
- The ON/OFF function is used to switch a lighting circuit ON or OFF
- The Status indication function displays the status of the output contact
- The Timer function is used to switch a lighting circuit ON or OFF for an adjustable time
- The Time delayed switch function combines a toggle function and a cut-off delay
- The Priority function allows overriding an output to a definite status, ON or OFF
- The Jamming function allows locking an output in its current status
- Each output may be integrated into 32 different scenes
- The Timer and Automatic controls function allow the outputs to by controlled by:
    - Timer functions: Timer/toggle change over, Switching delay, Tripping delay, Switching and tripping delay, Timer.
    - Automatic control functions: Authorization, Logical AND or Logical

OR

- Each output may be integrated into 32 different scenes
- Manual override, permanent or Time limited.
- Behavior in the event of bus voltage failure/Return configurable
- With programming button and red programming LED
- Bus connection via connecting terminal
- quickconnection terminal

	Max. switching capacity for switching actuators					
	TYA604A TYA606A TYA608A TYA610A	TYA604B TYA606B TYA608B TYA610B	TYA604C TYA606C TYA608C TYA610C	TYA604D TYA606D TYA608D TYA610D TYM616D TYM620D TYF616	TYA606E	TYB601B TYB602F TYB692F
230 V incandescent and halogen lamps	800 W	1200 W	2300 W	2300 W	2300 W	600 W
Halogen ELV (12 or 24V) via ferromagnetic transformer	800 W	1200 W	1600 W	1600 W	1600 W	600 W
Halogen ELV (12 or 24V) via Electronic transformer	800 W	1000 W	1200 W	1200 W	1380 W	600 W
Fluorescent tubes non compensated	800 W	1000 W	1200 W	1200 W	800 W	600 W
Fluorescent tubes for electronic ballast	450 W	550 W	725 W	725 W	25 x 18 W	6 X 58 W
Parallel compensated fluorescent tubes	-	-	-	1500 W (200µF)	1000 W (130µF)	-
Compact fluorescent with PF < 0.6	150 W	300 W	425 W	425 W	25 x 18 W	6 X 18 W

4-channel switching actuator 4A/10A/16A/16A (Capacitive Load)

Supply voltage	30 V DC
Power dissipation	1 W (TYA204A) 3 W (TYA204B) 8 W (TYA204C) 8 W (TYA204D)
Width	4 modules
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm²

- The 4-fold output module TYA604. are relays designed to interface Bus KNX with on/off electric loads
- 4 volt-free contacts

Design	Order no.	PU
switching actuator 4A	**TYA604A**	1
switching actuator 10A	**TYA604B**	1
switching actuator 16A	**TYA604C**	1
switching actuator 16A for capacitive load	**TYA604D**	1

6-channel switching actuator 4A/10A/16A/16A (Capacitive Load)

Supply voltage	30 V DC
Power dissipation	1 W (TYA206A) 5 W (TYA206B) 12 W (TYA206C) 12 W (TYA206D) 6 W (TYA206E)
Width	4 modules 6 modules (TYA606E)
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm²

- The 6-fold output module TYA606. are relays designed to interface Bus KNX with on/off electric loads
- 6 volt-free contacts

Design	Order no.	PU
switching actuator 4A	**TYA606A**	1
switching actuator 10A	**TYA606B**	1
switching actuator 16A	**TYA606C**	1
switching actuator 16A for capacitive load	**TYA606D**	1
switching actuator 16A for capacitive load with current monitoring	**TYA606E**	1

8-channel switching actuator 4A/10A/16A/16A (Capacitive Load)

Supply voltage	30 V DC
Power dissipation	2 W (TYA206A) 6 W (TYA206B) 12 W (TYA206C) 12 W (TYA206D)
Width	6 modules
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm²

- The 8-fold output module TYA608. are relays designed to interface Bus KNX with on/off electric loads
- 8 volt-free contacts

Design	Order no.	PU
switching actuator 4A	**TYA608A**	1
switching actuator 10A	**TYA608B**	1
switching actuator 16A	**TYA608C**	1
switching actuator 16A for capacitive load	**TYA608D**	1

10-channel switching actuator 4A/10A/16A/16A (Capacitive Load)

Supply voltage	30 V DC
Power dissipation	3 W (TYA206A) 7 W (TYA206B) 15 W (TYA206C) 15 W (TYA206D)
Width	6 modules
Operating temperature	0°C to +45°C
Connections	0.75 to 2.5 mm²

- The 10-fold output module TYA610. are relays designed to interface Bus KNX with on/off electric loads
- 10 volt-free contacts
- Each output to be individually configurated for Lighting or Shutters/Blinds applications
- Shutters/Blinds applications required two Output Channel

Design	Order no.	PU
switching actuator 4A	**TYA610A**	1
switching actuator 10A	**TYA610B**	1
switching actuator 16A	**TYA610C**	1
switching actuator 16A for capacitive load	**TYA610D**	1

Output 16A C-Load adapted / shutter / blind

Supply voltage KNX	DC21...32 V SELV
Power dissipation	max. 20 W (TYM616D) max. 25 W (TYM620D)
Width	8 modules (TYM616D) 10 modules (TYM620D)
Operating temperature	-5°C to +45°C
Connections	0.5 to 6 mm² (rigid) 0.5 to 4 mm² (flexible)

The device receives telegrams from sensors or other controllers via the KNX installation bus and switches electrical loads with its independent relay contacts. The devices are particularly suitable for capacitive loads and are designed for high-load currents.

Design	Order no.	PU
output 16A C-Load 16gang	**TYM616D**	1
output 16A C-Load 20gang	**TYM620D**	1

Multi-application outputs module 10 A

Supply voltage KNX	DC21...32 V SELV
Minimum switching current	100 mA
230 V AC shutter motors	6 A max
230 V AC fan-coil unit motors	4 A max
24 V DC shutter motors	6 A max
Surge voltage	4 kV
Protection rating (box)	IP20
Protection rating of box under faceplate	IP30
Width	10 modules
Operating temperature	-5°C to +45°C
Screw terminal connection	0.75 to 4 mm²

The device receives telegrams from sensors or other controllers via the KNX installation bus and switches electrical loads with its independent relay contacts.

Design	Order no.	PU
Multi-application outputs module 10 A	**TYF616**	1

Busbars and endcaps for output modules

Cu cross section	6 mm²
Rated current In	16 A 250 V AC
Operating temperature	+5°C to +45°C
Storage temperature	-25°C to +70°C
Moisture resistance	max. 85% RH non-condensing at 20°C
Contact pin (HxWxD)	1 x 2.5 x 12.5 mm

The busbars are used to ease the connection of output relays to a dedicated phase by decrease the necessary time to bridge the phase to the different output relays.

Design	Order no.	PU
busbar for TXM616D, 8-pin busbars	**TGM616D**	2
busbar for TXM620D, 10-pin busbars	**TGM620D**	2

Endcaps for output modules

Design	Order no.	PU
endcaps for TGM616D or TGM620D busbars	**TGM600E**	10 pairs

Din rail dim actuators

Universal dim actuators

- 1 dimming channel controlled by KNX bus.
- Universal dimmer with automatic load recognition
- Min/Max level local setting.
- Display of channel state on the product.
- Manual mode that allows dimming even when the bus is disconnected.
- Control button for manual mode.
- Per channels 32 light scenes with a related scene speed
- Short-circuit, over heating & overload protection with LED indication
- With programming button and red programming LED in same button.
- Bus connection via connecting terminal.
- quickconnect terminal.

1-channel universal dimmer 300W

Supply voltage	30 V DC 230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	3 W
Power dissipation	4 W
Width	4 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²

- 230 V incandescent and halogen lamps 300W
- Halogen ELV (12 or 24V) via ferromagnetic transformer suitable for dimming 300VA.
- Halogen ELV (12 or 24V) via electronic transformer suitable for dimming 300W
- Dimmable CFL lamp (CFLi) with integrated ballast suitable for dimming 60W
- Dimmable LED lamp(LEDi) with integrated ballast suitable for dimming 60W

Design	Order no.	PU
light grey	**TYA661AN**	1

1-channel universal dimmer 600W

Supply voltage	30 V DC 230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	3 W
Power dissipation	7.5 W
Width	4 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²

- 230 V incandescent and halogen lamps 600W
- Halogen ELV (12 or 24V) via ferromagnetic transformer suitable for dimming 600VA.
- Halogen ELV (12 or 24V) via electronic transformer suitable for dimming 600W
- Dimmable CFL lamp (CFLi) with integrated ballast suitable for dimming 120W
- Dimmable LED lamp (LEDi) with integrated ballast suitable for dimming 120W

Design	Order no.	PU
light grey	**TYA661BN**	1

2-channel universal dimmer 300W

Supply voltage	230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	300 mW
Power dissipation per output	2 W
Width	4 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²

- 230 V incandescent and halogen lamps 300W
- Halogen ELV (12 or 24V) via ferromagnetic transformer suitable for dimming 300VA.
- Halogen ELV (12 or 24V) via electronic transformer suitable for dimming 300W
- Dimmable CFL lamp (CFLi) with integrated ballast suitable for dimming 60W
- Dimmable LED lamp(LEDi) with integrated ballast suitable for dimming 60W

Design	Order no.	PU
light grey	**TYA662AN**	1

3-channel universal dimmer 300W

Supply voltage	30 V DC 230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	5 W
Power dissipation	8.9 W
Width	6 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²

- 1, 2, or 3 dimming channels controlled by KNX bus.
- The product can control 1, 2 or 3 independent lighting circuits, the outputs number depends on the switch position.
- 230 V incandescent and halogen lamps 300W, 600W, 900W according to output selector switch per channel.
- Halogen ELV (12 or 24V) via ferromagnetic transformer suitable for dimming 300W, 600W, 900W according to output selector switch per channel.
- Halogen ELV (12 or 24V) via electronic transformer 300W, 600W, 900W according to output selector switch per channel.
- Dimmable CFL lamp (CFLi) with integrated ballast suitable for dimming 210W, 120W, 60W according to output selector switch per channel.
- Dimmable LED lamp (LEDi) with integrated ballast suitable for dimming 210W, 120W, 60W according to output selector switch per channel.

Design	Order no.	PU
light grey	**TYA663AN**	1

4-channel universal dimmer 300W

Supply voltage	30 V DC 230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	1 W
Power dissipation	7.5 W
Width	8 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²

- 230 V incandescent and halogen lamps 300W
- Halogen ELV (12 or 24V) via ferromagnetic transformer suitable for dimming 300VA.
- Halogen ELV (12 or 24V) via electronic transformer suitable for dimming 300W
- Dimmable CFL lamp (CFLi) with integrated ballast suitable for dimming 60W
- Dimmable LED lamp(LEDi) with integrated ballast suitable for dimming 60W

Design	Order no.	PU
light grey	**TYA664AN**	1

4-channel universal dimmer 600W

Supply voltage	30 V DC 230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	1 W
Power dissipation	8.9 W
Width	10 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²

- 230 V incandescent and halogen lamps 600W
- Halogen ELV (12 or 24V) via ferromagnetic transformer suitable for dimming 600VA.
- Halogen ELV (12 or 24V) via electronic transformer suitable for dimming 600W
- Dimmable CFL lamp (CFLi) with integrated ballast suitable for dimming 120W
- Dimmable LED lamp(LEDi) with integrated ballast suitable for dimming 120W

Design	Order no.	PU
light grey	**TYA664BN**	1

1 - 10 V / DALI interfaces

3-channel 1 - 10 V dimmer

Supply voltage	30 V DC 230 V AC 50/60 Hz
Busline max consumption	2.3 mA
Consumption without load	3 W
Power dissipation	9 W
Control current per channel	50 mA max
Switching current	16A
230 V incandescent and halogen lamps	2300 W
Halogen ELV (12 or 24V) via ferromagnetic transformer/ electronic transformer	1500 VA / 1500 W
Electronic Ballast 1-10V	1000 W
Dimmable Electronic Ballast	50 mA max
Light Dimmer	30 max
Width	4 modules
Operating temperature	0°C to +45°C
Connections	1 to 6 mm² (screw terminal)

- 3 dimming channels controlled by bus KNX
- Control lighting circuits via a 1/10V connection, acting upon remote control dimmers or electronic ballasts
- Min/Max level local setting
- State of channel displayed on product
- Manual control of channels available locally on the product for Wiring, testing and start-up
- After power on, a 20-sec delay is required for the dimmer switch to perform the first control operation
- With potential-free NO contacts
- Basic brightness programmable
- Behavior in the event of bus voltage failure configurable
- With programming button and red programming LED
- Bus connection via connecting terminal
- With screw terminals

Design	Order no.	PU
light grey	**TX211A**	1

KNX DALI-Gateway

KNX supply voltage	21 ... 32 V DC SELV
External supply voltage	110...240 V AC +10%/-15% 50/60 Hz
Busline max consumption	typically 150 mW
Power consumption	max. 6 W
Total power loss	max. 3 W
Operating temperature	-5°C to +45°C
Connections	screw terminal preferably on top
DALI voltage	typically 16 V DC with overvoltage protection
DALI current	typically 128mA max. 200mA temporarily

- Control of a maximum of 64 DALI devices in a max. of 32 groups
- Manual control of the groups independent of the bus (site operation with broadcast control)
- Feedback of DALI error status or short-circuit and supply voltage failure message
- Central switching function
- Incorporation of the groups into up to 16 lightscenes possible
- All channel-oriented functions can be parameterized separately for each group. This feature permits independent and multi-functional control of the DALI devices
- The Staircase timer function can only be parameterized for groups 1 ... 16
- Adjusting the limit values for brightness is possible.
- Dimming response can be parameterized.
- Soft-On or Soft-Off function
- Disable function or, alternatively, forced-control position function can be parameterized for each group, with the disable function, blinking of lighting groups is possible
- Timer functions (ON-delay, OFF-delay, staircase lighting function, also with pre-warning function)
- Response to bus voltage failure and bus voltage return as well as after ETS programming can be adjusted for each group
- Automatic device replacement
- With programming button and red programming LED
- Bus connection via connecting terminal
- With screw terminals preferably on top

Design	Order no.	PU
light grey	**TYA670D**	1

3-channel LED controller

3-channel LED controller - voltage controlled

Supply voltage	12-24 V DC
Maximum charge	2.2 A / channel
Max power	12V DC 80 W 24V DC 155 W
Control mode	direct voltage
Number of channel	1-3
Control signal	KNX
Consumption on the KNX bus	Max. 12 mA
Operating temperature	-5°C to +45°C
Connections	KNX wire 0.75 to 1.5 mm^2 (screw-on terminal block)
Output signal	PWM / 600Hz
Max. cable length	10 m
Protection degree	IP20

- 3 variation channels controlled by the KNX bus
- 60 scenes called up by the KNX bus
- 4 different colour sequences including up to 12 colours per sequence.
- Short circuit protection
- Overheating protection
- Electrical surge protection
- Polarity reversal protection

The TYB673A 3-channel LED controller can be used to vary the luminosity of a voltage controlled LED module.
This product can be used more particularly to control a coloured lighting system, create lighting effects or launch a sequence of pre-programmed colours.

Design	Order no.	PU
black	**TYB673A**	1

3-channel LED controller - current controlled

Supply voltage	24 V DC
Output current	350/500/700 mA
Control mode	direct current
Max output voltage	22V DC
Number of channel	1-3
Control signal	KNX
Consumption on the KNX bus	Max. 12 mA
Operating temperature	-5°C to +45°C
Connections	KNX wire 0.75 to 1.5 mm^2 (screw-on terminal block)
Output signal	PWM / 600Hz
Max. cable length	10 m
Protection degree	IP20

- 3 variation channels controlled by the KNX bus
- 60 scenes called up by the KNX bus
- 4 different colour sequences including up to 12 colours per sequence.
- Short circuit protection
- Overheating protection
- Electrical surge protection
- Polarity reversal protection

Suitable for	Order no.	Page
Power supply 24 V DC 1A	TGA200	138

The TYB673B 3-channel LED controller can be used to vary the luminosity of a current controlled LED module.
This product can be used more particularly to control a coloured lighting system, create lighting effects or launch a sequence of pre-programmed colours.

Design	Order no.	PU
black	**TYB673B**	1

Din rail blind actuators

- Outputs can be controlled manually from the product
- Output states are displayed on the product
- Delay time between 2 opposite directions 600 ms.
- Application softwares allow each output to be individually configurated for Shutter/Blind applications.
- The Up/Down Function allows moving up or down a shutter, a blind with inclinable slats, an awning, a Venetian blind, etc.
- The Up/Down function also allows opening and closing electric curtains.
- The Slat angle/Stop function allows inclining the slats of a blind or stopping its current movement.
- The Slat angle/Stop function allows modifying the occultation or the direction of the light beams coming from outside.
- The Stop function allows stopping the current shutter movement.
- The Position in % function allows putting a shutter or a blind in a desired position expressed in % of closure.
- The Slat angle function allows inclining the slats of a blind into a desired position expressed in degrees (0° to 180°).
- Wind alarm and rain alarm functions allow putting a shutter or a blind in a configurable predefined status.
- The Priority function allows forcing a shutter or a blind into a predefined position.
- The Jamming function allows locking a shutter or a blind in its current position.
- Each output may be integrated into 32 different scenes.
- The Status indication function allows sending on the bus:
    - Status indication (1 byte): indicates the current operating mode of the output (Alarm, Priority, Jamming, and Normal)
    - Position indication in %: indicates the position of the shutter or blind
    - Slat angle indication in °: indicates the position of the shutter or blind
    - Status indication (1Bit): indicates the last movement, up or down, of the shutter or blind

Output device for 4 shutters 230V AC

Supply voltage	30 V DC SELV
Power dissipation	2W
Typical consumption on the KNX bus	5,2 mA
Standby consumption on the KNX bus	4,5 mA
Width	4 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm^2
Breaking capacity	µ230 V, 6A AC1
Surge voltage	4kV
Protection degree	IP20

- 4 independent channels controlled by bus KNX.
- Output states are displayed on the product.
- Outputs can be controlled manually from the product.

Each product feature depends on its configuration and settings.

The 4-output drivers TYA624A and TYA624C are actuators that allow interfacing Bus KNX with opening devices. They are part of the tebis Installation System and are designed to control such devices as rolling shutters, blinds with awnings, blinds with slats, etc.

Design	Order no.	PU
output device for 4 shutters	**TYA624A**	1
output device for 4 shutters and / or blinds	**TYA624C**	1

Output device for 4 shutters 24V DC

Supply voltage	30 V DC SELV
Power dissipation	2W
Typical consumption on the KNX bus	5,2 mA
Standby consumption on the KNX bus	4,5 mA
Width	4 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²
Breaking capacity	µ 24V DC 6A DC1
Surge voltage	4kV
Protection degree	IP20

- 4 independent channels controlled by bus KNX.
- output states are displayed on the product.
- outputs can be controlled manually from the product.

Each product feature depends on its configuration and settings.

Suitable for Optional	Order no.	Page
Power supply 24 V DC 1A	TGA200	138

The 4-output drivers TYA624B and TYA624D are actuators that allow interfacing Bus KNX with opening devices. They are part of the tebis Installation System and are designed to control such devices as rolling shutters, blinds with awnings, blinds with slats, etc.

Design	Order no.	PU
output device for 4 shutters	**TYA624B**	1
output device for 4 shutters and / or blinds	**TYA624D**	1

Output device for 8 shutters 230V AC

Supply voltage	30 V DC SELV
Power dissipation	2W
Typical consumption on the KNX bus	15.8 mA
Standby consumption on the KNX bus	8.8 mA
Width	6 modules
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²
Breaking capacity	µ230 Vv 6A AC1
Surge voltage	4kV
Protection degree	IP20

- 8 independent channels controlled by bus KNX.
- product display of outputs status with or without the presence of bus and/or main supply (230V~).
- the outputs may be switched with or without the presence of bus and/or main supply (230V~).

Each product feature depends on its configuration and settings.

The 8-output drivers TYA628A and TYA628C are actuators that allow interfacing Bus KNX with opening devices. They are part of the tebis Installation System and are designed to control such devices as rolling shutters, blinds with awnings, blinds with slats, etc.

Design	Order no.	PU
output device for 8 shutters	**TYA628A**	1
output device for 8 shutters and / or blinds	**TYA628C**	1

Output 12-gang shutter/blind 230V AC

Rated voltage KNX	30 V DC SELV
Power dissipation	3W
Typical consumption on the KNX bus	7 mA
Standby consumption on the KNX bus	5 mA
Width	10 modules
Operating temperature	-5°C to +45°C
Connections	0.5 to 6 mm²
Breaking capacity	µ230 V, 4A AC1
Surge voltage	4kV
Protection degree	IP20

- independent outputs, activation via KNX bus
- status display of the outputs on the device
- manual activation of the outputs on the device possible, building site operation
- position can be started directly
- 3 alarms
- scene function
- forced position by higher-level controller
- connection of various external conductors possible
- slat position directly controllable

The device is used to control motor-operated building fi ttings such as shutters and blinds via the KNX bus. The device has 12 outputs from which each output can be activated independently.

Design	Order no.	PU
output device for 12 shutters/blinds	**TYM632C**	1

Modular blind actuators

2 flush mounted output / 1 shutter/blinds 6A twisted pair

Supply voltage KNX	21...32 V DC SELV
Typical consumption on the KNX bus	7 mA
Standby consumption on the KNX bus	5 mA
Dimensions	44 x 43 x 22.5 mm
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²
Breaking capacity	µ6A AC1 230V~
Surge voltage	4kV
Protection degree	IP20

The device receives telegrams from sensors or other controllers via the KNX installation bus and switches electrical loads with its relay contact.

Design	Order no.	PU
flush mounting	**TYB602F**	1

1 flush mounted output for shutter/blinds / 2 outputs + 2 inputs

Supply voltage KNX	21...32 V DC SELV
Typical consumption on the KNX bus	7 mA
Standby consumption on the KNX bus	5 mA
Dimensions	44 x 43 x 22.5 mm
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²
Breaking capacity	µ6A AC1 230V~
Surge voltage	4kV
Protection degree	IP20

The device receives telegrams from sensors or other controllers via the KNX installation bus and switches electrical loads with its relay contact.

Design	Order no.	PU
flush mounting	**TYB692F**	1

Output 1-gang 10A, flush mounted

Supply voltage	21...32 V DC SELV
Typical consumption on the KNX bus	7 mA
Standby consumption on the KNX bus	5 mA
Dimensions	44 x 43 x 22.5 mm
Operating temperature	-5°C to +45°C
Connections	0.75 to 2.5 mm²
Breaking capacity	µ10A AC1 230 V ~
Surge voltage	4kV
Protection degree	IP20

The device receives telegrams from sensors or other controllers via the KNX installation bus and switches electrical loads with its relay contact.

-- Time switching functions.

-- manual activation of the outputs on the device possible, building site operation.

-- Status display of the outputs on the device.

-- Scene function.

-- Forced position by higher-level controller.

Design	Order no.	PU
light grey	**TYB601B**	1

Universal dim actuator 1-gang flush-mounted

Rated voltage KNX	21...32 V DC SELV
Mains frequency	50 / 60 Hz
Rated voltage	AC 230 V ~
Incandescent lamps	50 ... 210 W
HV halogen lamps	50 ... 210 W
Inductive transformers	50 ... 210 VA
Tronic transformers	50 ... 210 W
Operating temperature	-5 °C...+45 °C
Dimensions	Ø 53 x 28 mm

- automatic selection of the dimming principle suitable for the load
- protected against no-load, short-circuit and overheating
- feedback of the switching position and the dimming value
- configurable switch-on and dimming behaviour
- Timed dimmer: switch-on delay, switch-off delay, staircase lighting timer
- Light scene operation
- Two binary inputs for potential-free contacts, usable as extension inputs for local operation
- Supply via bus, no additional power supply necessary
- Mains failure longer than approx. 0.7 seconds leads to switch-off of the dimmer actuator.

Design	Order no.	PU
light grey	**TYB691F**	1

Din rail HVAC actuators

Din rail heating actuator 6-gang 230 V

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	230/240 V~
Frequency	50/60 Hz
Switching current at 250 V~	max. 50 mA
Actuators per channel	max. 4
Operating temperature	-5 ... +45 °C
Assembling height as from DIN rail	58 mm
Dimensions (W x H x D)	72 x 90 x 65 mm
Width of rail mounted device (RMD)	4 TE

– valve drives for thermoelectric valve drives 230 V, closed in de-energized state
– for individual single room temperature control
– for continuous (PI) or switched (2-point) control
– with programming button and red programming LED
– bus connection via connecting terminal
– with emergency programme, e.g. for sensor or bus failure
– with screw terminals

Suitable for	Order no.	Page
KNX valve drive 230V	EK723	134
KNX valve drive 24V AC/DC	EK724	134

Design	Order no.	PU
light grey	**TYF656T**	1

Din rail fan coil actuator 2-gang

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	230 V~
230 V incandescent lamps	2300 W
230 V halogen lamps	2300 W
Conventional transformers	1200 W
Electronic transformers	1500 W
Fluorescent lamps:	
- uncompensated	1000 W
- parallel compensated	1160 W /140 µF
Operating temperature	-5 ... +45 °C
Assembling height as from DIN rail	63 mm
Dimensions (W x H x D)	72 x 90 x 70 mm
Width	4 modules

Comply with the fan convector manufacturer's instructions.
Optimised for commissioning with ETS3 from version D, patch A.

- for the electric activation of fan convectors
- for converting RTR control variables into valve positions, fan stages
- activation of 1 or 2 fan channels with 6 or 3 fan stages
- for operating modes heating/cooling or heating and cooling
- manual activation of blow fans using push-buttons or the operating panel
- use of free channels to control switching loads
- 4 manual operation buttons for controlling fan stages and bus function on/off
- manual operating also possible without bus e.g. on building site
- with programming button and red programming LED
- with 8 red status LEDs and 3 red LEDs as manual actuation indication
- bus connection via connecting terminal
- with screw terminals

Design	Order no.	PU
light grey	**TYF642F**	1

Valve drives

KNX valve drive

Operating voltage over bus	21 ... 32 V=
Operating temperature	0°C to +50°C
Pre-assembled cables	≈ 1 m
Dimensions (L x W x H)	65 x 50 x 82 mm

- suitable for standard heater valve tappets
- with programming button and red programming LED
- Functions summer operation and forced mode
- with 2 independent binary inputs
- with 5 LEDs for display of valve stroke
- with integrated bus coupling unit
- bus connection via connecting terminal

Design	Order no.	PU
white	**TX501**	1

KNX valve drive

Power supply	bus KNX 30V DC TBTS
Power consumption	< 10 mA
Run time	< 20 s/mm
Set force	> 120N
Maximal stroke	6 min
Target value display	5 LEDs
Operating temperature	0°C to +50°C
Dimensions	82 x 50 x 65 mm

- Automatic regulating apparatus and temperature collection apparatus.
- Work mode: Comfort, Standby, Night time, Frost.
- Oriented start up
- Forced service
- Summer operation

Design	Order no.	PU
white	**TX502**	1

Electrothermal valve drive

Power supply	230V - 50/80 Hz (EK723) 24 V AC/DC (EK724)
Opening time from 0 to 100%	3.5 min (EK723) 4.5 min (EK724)
Adjustment force	125 Nm
Power	2.5 W (EK723) 3 W (EK724)
Protection degree	IP54
Operating temperature	0°C to +50°C
Dimensions	64 x 42 x 50 mm

Design	Order no.	PU
230 V	**EK723**	1
24 V AC/DC	**EK724**	1

Valve adapter set

Design	Order no.	PU
Danfoss/Giacomini, M28x1.5	**EK072**	1

Analogue actuators

Din rail analogue actuator 4-gang

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V~
Frequency	50/60 Hz
Output load voltage	> 1 kΩ
Voltage, outputs	0 ... 1; 0 ... 10 V
Output current per channel	max. 20 mA
Current consumption	max. 170 mA
Outputs current	0 ... 20, 4 ... 20 mA
Output load current	< 500 Ω
Forced controls (1-bit objects)	per channel 2
Operating temperature	-5 ... +45 °C
Assembling height as from DIN rail	63 mm
Dimensions (W x H x D)	72 x 90 x 70 mm
Width of rail mounted device (RMD)	4 TE

The analogue actuator receives KNX telegrams and converts them into current and/or voltage signals, e.g. for heating, air conditioning and ventilation systems.
Output signals according to DIN IEC 381

- with green/red status LED (operation/fault)
- with red programming LED
- channels can be adjusted independently
- with programming button
- expandable with 4gang analogue actuator module
- bus connection via connecting terminal
- initial status via status- and/or switch object evaluable
- with 4 independant analogue outputs
- cyclic supervision of the outputs
- with screw terminals
- with system interface for analogue actuator module

Suitable for	Order no.	Page
rail din power supply 24 V AC	ST312	138
optional		
4-channel analogue actuator module	TYF684E	135

Design	Order no.	PU
light grey	**TYF684**	1

4-channel analogue actuator module

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V~
Frequency	50/60 Hz
Output load voltage	> 1 kΩ
Voltage, outputs	0 ... 1; 0 ... 10 V
Output current per channel	max. 20 mA
Current consumption	max. 170 mA
Outputs current	0 ... 20, 4 ... 20 mA
Output load current	< 500 Ω
Forced controls (1-bit objects)	per channel 2
Operating temperature	-5 ... +45 °C
Assembling height as from DIN rail	63 mm
Dimensions (W x H x D)	72 x 90 x 70 mm
Width of rail mounted device (RMD)	4 TE

Output signals according to DIN IEC 381

- with 4 yellow output status LEDs
- with green/red status LED (operation/fault)
- as extension for analogue actuator 4gang
- with 4 independant analogue outputs
- cyclic supervision of the outputs
- with screw terminals
- with system plug for connection to the analogue actuator system interface

Suitable for	Order no.	Page
Din rail analogue actuator 4-gang	TYF684	135

Design	Order no.	PU
light grey	**TYF684E**	1

Actuators, flush/surface-mounted

Heating actuator 230 V flush-mounted

Operating voltage	21 ... 32 V=
Switching current for electronic outputs	max. 25 mA
Actuators per channel	max. 2
Operating temperature	-5 ... +45 °C
Load cable length	≈ 20 cm with 2 x 1,5 mm²
Cable length, bus + inputs (extendable to max. 5 m)	≈ 33 cm
Dimensions (Ø x H)	53 x 28 mm

Optimised for commissioning with ETS3 from version D, patch A.

- binary input functions: Switching, dimming, shutter control and value transmitter
- for individual single room temperature control
- for continuous (PI) or switched (2-point) control
- with programming button and red programming LED
- 1 electronic output (triac) for connection of 230V thermoelectric actuator drives
- with 3 independent binary inputs for potential-free contacts
- with emergency programme, e.g. for sensor or bus failure
- installation in flush-mounted or splash-protected junction box
- pre-assembled, with cables

Design	Order no.	PU
light grey	**TYB641A**	1

Window interface / flush-mounted

Rated voltage KNX	DC 21 V ... 32 V SELV
Switching current	5 ... 25 mA
Motors 230 V	600 VA
Rated voltage	230 / 240 V ~
Number of drives per output	max. 2
Operating temperature	-5 to +45°C
Dimensions	Ø 53 × 28 mm

- control of Venetian blinds, awnings and similar blinds
- control of electrothermal actuators
- three binary inputs for potential-free contacts, usable as extension inputs for local operation
- supply via bus, no additional power supply necessary

Design	Order no.	PU
Window interface / flush-mounted	**TYB692C**	1

Heating actuator 6 channels

Supply voltage	230V AC
Bus KNX	30V DC TBTS
Max. power uptake	50W
Bus power consumption	< 10mA
Standard fuse	T 2A
Max. number of actuators	13
Operating temperature	-5 to +40 °C
Dimensions (W x H x D)	302 x 75 x 70 mm
Frequency	50/60 Hz

- for valve drives 24 V, closed in de-energized state
- with on red heat request LED per channel
- with green operation LED and red programming LED
- with red fuse LED
- with integral transformer
- bus connection via connecting terminal
- with emergency programme, e.g. for sensor or bus failure
- short-circuit and overload proof (fine-wire fuse)
- with plug-in terminals
- for individual single room temperature control
- for continuous (PI) or switched (2-point) control

Design	Order no.	PU
grey, 6-gang Triac	**TX206H**	1

Room actuator

4-gang room actuator

KNX supply	21...32 V DC
KNX power consumption	max. 150 mW
Rated voltage	230/240 V
Mains frequency	50/60 Hz
Heat dissipation	max. 6 W
Width	4 modules
Operating temperature	-5°C to +45°C
Connections	0.5 to 4 mm² (single-wire) 0.35 to 4 mm² (standed wire without ferrule) 0.14 to 2.5 mm² (standed wire with ferrule)

- switching of electrical consumers AC 230 V with potential-free contacts
- switching of electrically operated blinds, shutters, awnings and similar curtains
- heating outputs: electronic outputs for switching electro-thermal adjustment drives
- installation on DIN rails in small distribution boards

Design	Order no.	PU
light grey	**TYF646M**	1

Power supplies

- With integral choke
- Short-circuit and overload protection
- The “OK” indicator lights up in normal working mode
- The “I>Imax” indicator lights up, eliminate the origin of the fault (short circuit or overload)
- Protected earth conductor must be connected
- quickconnect terminal

Power supply 320 mA RMD

Supply voltage	230V AC 50/60 Hz
Output voltage	30V DC
Output current max.	320 mA
Absorbed power	15 VA
Width	4 modules
Operating temperature	-5 ... +45°C
Connections	quickconnect 0.75 to 2.5 mm²

Design	Order no.	PU
light grey	**TXA111**	1

Power supply 640 mA RMD

Supply voltage	230V AC 50/60 Hz
Output voltage	30V DC
Output current max.	640 mA
Absorbed power	24 VA
Width	4 modules
Operating temperature	-5 ... +45°C
Connections	quickconnect 0.75 to 2.5 mm²

Design	Order no.	PU
light grey	**TXA112**	1

Power supply 1x30V, 320 mA + 1x24V, 640 mA RMD

Supply voltage	230V AC 50/60 Hz
Output voltage	30V DC and 24 V DC
Output current max.	320 mA and 640 mA
Absorbed power	4.4 W
Width	4 modules
Operating temperature	-5 ... +45°C
Connections	quickconnect 0.75 to 2.5 mm²

Suitable for	Order no.	Page
KNX weather station	TG053A	114
KNX thermostat	8044 01 00	33
KNX room controller	8066 01 00	34
Router IP/KNX	TH210	139

Design	Order no.	PU
light grey	**TXA114**	1

Power supply 2x30V, 320 mA RMD

Supply voltage	230V AC 50/60 Hz
Output voltage	30V DC
Output current max.	2 x 30 V DC 320 mA
Absorbed power	3.5 W
Width	4 modules
Operating temperature	-5 ... +45°C
Connections	quickconnect 0.75 to 2.5 mm²

- Power supply has 2 outputs KNX 30 V DC 320 mA

Design	Order no.	PU
light grey	**TXA116**	1

Electrical power supply 24 V DC RMD

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	24 V=
Output current	max. 1 A
Current consumption	< 150 mA
Power consumption	36 W
Operating temperature	+ 0 ... + 45 °C
Width of rail mounted device (RMD)	4 modules

– with quickconnect plug-in terminals

Suitable for	Order no.	Page
Glass sensors comfort		88
Touch sensors with thermostat		103
Glass sensors with thermostat		90
Touch panel	WDI...	148
domovea server incl. software	TJA450	146
KNX weather station	TG053A	114
output device for 4 shutters and / or blinds	TYA624D	131
Output device for 4 shutters a24V DC	TYA624B	131
3-channel LED controller - voltage controlled	TYB673A	129
3-channel LED controller - current controlled	TYB673B	129
KNX thermostat	8044 01 00	33
KNX room controller	8066 01 00	34
Router IP/KNX	TH210	139
IP/KNX interface	TYF120	139
Din rail analogue actuator 4gang	TYF784	115

Design	Order no.	PU
light grey matt	**TGA200**	1

Safety transformer

Supply voltage	230V AC 50/60 Hz
Nominal power	25 VA
Galvanic insulation	4 kV
Width	4 modules
Max. operating temperature	+35°C

These transformers are designed to ensure personal safety, their primary winding are electrically separated from their secondary windings and they are intended to feed safety extra low voltage circuits U ≤ 50V. A thermal overload, in the primary windings, ensures that if a short circuit or an overload occurs in the output it will not damage the device.

Suitable for	Order no.	Page
Analogue input 4gang RMD	TYF784	115
KNX weather station	TG053A	114
Router IP/KNX	TH210	139
IP/KNX interface	TYF120	139

Design	Order no.	PU
light grey	**ST312**	1

Couplers

Line coupler

Operating voltage	21 - 32 V DC
Width	2 modules
Operating temperature	-5 ... +45°C

- can be used as line/area coupler or line amplifier.
- with programming button.
- with green operation LED, red programming LED and red diagnosis LED.
- with 2 yellow data traffic LEDs for higher and lower ranking line.
- allows extension of a wire line and repeats the messages.
- ensures a galvanic insulation between lines.
- necessary in case of systems with more than 64 wire products.
- line connection via connecting terminal

Design	Order no.	PU
light grey	**TYF130**	1

Router IP/KNX

Supply voltage	KNX bus (21 -30V DC)
External SELV power	24V AC/DC (12-30V AC/DC)
Supply:	1.6 GHz
- power usage from the bus line	10mA max 30V DC
- power usage from the auxiliary power supply	800mW max (25mA - 24V DC)
Operating temperature	-5°C to 45°C
Width	2 modules

- quick communication of lines/areas and systems via data networks (Internet protocols).
- needed for operation a power supply of 24 V DC.
- as interface to PCs and data processing devices.
- for reporting bus voltage failure via data networks.
- internet protocols supported: ARP, ICMP, IGMP, UDP/IP, and DHCP.
- IP according to Konnex specifications: Core, Routing, Tunneling, Device Management.
- can be used as line/area coupler.
- with RJ45 connection for Ethernet/IP networks.
- with programming button and red programming LED.
- with green operation LED and yellow data traffic LED.
- with green, yellow and red LEDs for indicating the IP communication.
- line connection via connecting terminal.
- operating voltage connection via connecting terminal.

Design	Order no.	PU
Router IP/KNX	**TH210**	1

IP/KNX interface

Supply voltage	KNX bus (21 -30V DC)
External SELV power	12 - 24V AC; 12 - 30V DC or PoE: Power over Ethernet DC 48V (acc. to IEEE 802.3af)
Operating temperature	+5°C to 45°C
Width	2 modules

- LED for operation (green) and data transmission on bus line (yellow).
- green/yellow/red LED for IP communication status
- the connection to the KNX bus is established using a standard bus connection terminal.
- ethernet / IP network: RJ45

Interface IP/KNX TYF120 is a modular device which can be installed in consumer units. It uses the KNXnet/IP standard and acts as an interface between KNX lines and data networks using Internet Protocol (IP).

Design	Order no.	PU
IP/KNX interface	**TYF120**	1

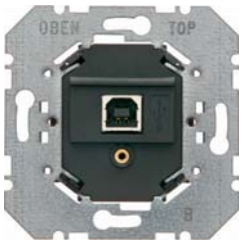
Data interfaces

Modular USB interface

Operating voltage	21 - 32 V DC
Data transfer rate	max. 9.6 kBaud
Operating temperature	-25 to +45°C
Width	2 modules

- for addressing, programming and diagnosis of KNX components.
- with B-type USB socket for data traffic (voltage supply via PC)
- compatible with USB 1.1/2.0 transmission protocols.
- with flash-controller technology

Design	Order no.	PU
light grey	**TH101**	1



KNX data interface USB flush-mounted

Operating voltage over bus	21 ... 32 V=
Data transmission rate	max. 9.6 kBd
Operating temperature	-5 ... +45 °C
USB cable length	max. 5 m

For connection of a PC for addressing, programming and diagnosis of KNX components and for visualisation.

- programmable from ETS3, V1.0
- for addressing, programming and diagnosis of KNX components
- with B-type USB socket for data traffic (voltage supply via PC)
- compatible with USB 1.1/2.0 transmission protocols
- system requirements: Windows 2000 or later
- without spreader claws
- with flash-controller technology

Design	Order no.	PU
black	**7504 00 04**	1

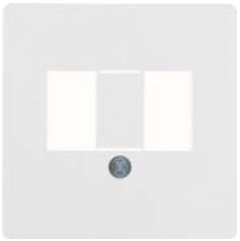
Centre plate with TAE cut-out

Suitable for	Order no.	Page
KNX data interface USB flush-mounted	7504 00 04	140

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**1033 89 12**	10
polar white glossy	**1033 89 19**	10
polar white matt, with 2 knock out openings	**1033 19 09**	10
anthracite matt, with 2 knock out openings	**1033 16 06**	10
aluminium matt, lacquered, with 2 knock out openings	**1033 14 04**	10
Berker Q.1/Q.3		
polar white velvety	**1033 60 89**	10
anthracite velvety, lacquered	**1033 60 86**	10
aluminium velvety, lacquered	**1033 60 84**	10

Berker K.1/K.5		
polar white glossy	**1035 70 09**	10
anthracite matt, lacquered	**1035 70 06**	10
Aluminium, aluminium anodised	**1035 70 03**	10
Stainless steel, metal matt finish	**1035 70 04**	10

Berker R.1/R.3		
polar white glossy	**1038 20 89**	10
black glossy	**1038 20 45**	10



Centre plate with TAE cut-out, push-out

Only to be associated with appropriated intermediate rings.

- breakable cut-out
- possibility to insert a label with the appropriate intermediate ring

Suitable for	Order no.	Page
KNX data interface USB flush-mounted	7504 00 04	140
Intermediate ring for central plate		141

Design	Order no.	PU
white glossy	**1458 02**	10
polar white glossy	**1458 09**	10
brown glossy	**1458 01**	10

Centre plate with TDO cut-out

Suitable for	Order no.	Page
KNX data interface USB flush-mounted	7504 00 04	140

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**68 1033 89 82**	10
polar white glossy	**68 1033 89 89**	10
polar white matt	**68 1033 19 09**	10
anthracite matt	**68 1033 16 06**	10
aluminium matt, lacquered	**68 1033 14 04**	10

Berker Q.1/Q.3		
polar white velvety	**68 1033 60 89**	10
anthracite velvety, lacquered	**68 1033 60 86**	10
aluminium velvety, lacquered	**68 1033 60 84**	10

Berker K.1/K.5		
polar white glossy	**68 1034 70 09**	10
anthracite matt, lacquered	**68 1034 70 06**	10
aluminium, aluminium anodised	**68 1034 70 03**	10
stainless steel, metal matt finish	**68 1034 70 04**	10

Berker R.1/R.3		
polar white glossy	**68 1033 20 89**	10
black glossy	**68 1033 20 45**	10

Intermediate rings for central plate

Suitable for	Order no.	Page
Centre plate with TAE cut-out, push-out	1458 0.	141

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**1109 89 82**	10
polar white glossy	**1109 89 89**	10
polar white matt	**1109 19 09**	10
anthracite matt	**1109 16 06**	10
aluminium matt, lacquered	**1109 14 04**	10

Berker Q.1/Q.3		
polar white velvety	**1109 60 82**	10
anthracite velvety, lacquered	**1109 60 86**	10
aluminium velvety, lacquered	**1109 60 84**	10

Berker K.1/K.5		
polar white glossy	**1108 70 09**	10
anthracite matt, lacquered	**1108 70 06**	10
aluminium, aluminium anodised	**1108 70 03**	10
stainless steel, metal matt finish	**1108 70 04**	10

Accessories

Connecting terminal

Operating temperature	-5 ... +45 °C
Conductor Ø	0.6 ... 0.8 mm
Number of conductors	2 x 4
Dimensions (L x W x H)	10.2 x 11.5 x 10 mm

- 2pole
- for the bus connection of the units
- can be used as branch terminal
- with plug-in terminals

Design	Order no.	PU
red/black	**TG008**	50
yellow/white	**TG025**	50

KNX bus cable

Bus cable (ST) Y 2 x 2 x 0.8mm
(4KV test voltage)

Design	Order no.	PU
length 100 m	**TG018**	1
length 500 m	**TG019**	1
length 100 m without halogen	**TG060**	1
length 500 m without halogen	**TG061**	1

quickconnect jumpers for KNX

quickconnect jumpers for the tebis KNX system
for looping

Design	Order no.	PU
black	**TG200A**	50
grey	**TG200B**	50
brown	**TG200C**	50

KNX surge protection device

Nominal voltage	24 V
Nominal current (max.)	3 A
Nominal discharge current	5 kA
Limiting discharge	8 kA
Protection level at 100 V / S	≤ 350 V
Protection level at 1 kV / S	≤ 500 V
Response time	≤ 100 ms
Insulation resistance	> 10,000 MΩ
Capacity	1 pF
Operating temperature	-25 to +80°C
Bus connection	line Ø 0.8 mm, length 200 m
Ground connection	conductor 0.75 mm2, length 200 m

- The application is recommended if:
  - The bus line is laid parallel to high-performance power lines,
  - The bus line is routed in parallel to metal installation parts that can flow through the lightning currents,
  - The bus line is used building border.

Design	Order no.	PU
blue	**TG029**	1

Kit interface USB/KNX

Operating voltage	21 - 32 V DC
Data transfer rate	max. 9.6 kBaud
Operating temperature	-25 to +45°C
USB cable length	max. 3 m
Width	2 modules

- for addressing, programming and diagnosis of KNX components.
- with B-type USB socket for data traffic (voltage supply via PC)
- compatible with USB 1.1/2.0 transmission protocols.
- with flash-controller technology
- for connection of a PC for addressing, programming and diagnosis of instabus components to Modular USB interface

Design	Order no.	PU
light grey	**TH102**	1

USB cable

Cable length	max. 3 m

- for connection of a PC for addressing, programming and diagnosis of instabus components to Modular USB interface

Design	Order no.	PU
light grey	**TH103**	1

KNX remote control and visualisation

Intuitive control: one interface to manage your home.
domovea is the dashboard for your home, providing you with intuitive control of the different devices in your home. Lights, shutters, heating, air conditioning or alarm system; for each room or the full floor... It's so simple to use: everything can be controlled from one single point.
You can enjoy domovea from your home computer, laptop, smartphone, tablet or dedicated touch panel, all with the same look & feel.

07

Page

domovea

domovea server incl. software

Operating voltage over bus	21 ... 32 V=
Auxiliary voltage	24 V=
Current consumption (operation)	≈ 150 mA
Power consumption (operation)	≈ 1.5 W
RAM	128 MB
Graphics memory	≈ 20 MB
Processor	400 MHz
Operating temperature	+0 ... +45 °C
Width of rail mounted device (RMD)	6 TE

Central operating and visualisation unit for KNX installations via client software.

Knowledge of the relevant network technology is required for installation.

System requirements: Windows XP, VISTA and Windows 7 (32 or 64-bit).

- user interface can be configured individually for each room with special background images
- creation of max. 50 sequences from different actions
- for control and visualisation of e.g.shutters, lights, heating, ventilation, alarm system, sensors
- with status LEDs for LAN status, operational stand-by and connection status to web portal
- KNX server to supply up to 30 visualisation clients simultaneously with KNX data
- creation of light scenes
- creation of measured value archives and energy consumption visualisation with KNX energy meters
- configuration tool for installation of IP settings and parameterisations
- with configuration and client software on USB stick
- managing up to 30 users with different access rights
- software update via USB interface on the device
- integration of max. 10 network cameras
- RJ45 Port for LAN connection
- bus connection via connecting terminal
- with plug-in terminals

Suitable for	Order no.	Page
Touch panel	WDI...	148
Optional		
Electrical power supply 24 V DC RMD	TGA200	138

Design	Order no.	PU
light grey matt	**TJA450**	1

domovea software server with USB/KNX interface

Operating voltage interface via bus	21 ... 32 V=
RAM	128 MB
Graphics resolution	min. 1024 x 768 px
Free hard disk space	min. 500 MB

Central operating and visualisation software for operation via client software.

Knowledge of the relevant network technology is required for installation.

System requirements: Windows XP, VISTA and Windows 7 (32 or 64-bit).

- user interface can be configured individually for each room with special background images
- creation of max. 50 sequences from different actions
- for control and visualisation of e.g.shutters, lights, heating, ventilation, alarm system, sensors
- KNX server to supply up to 30 visualisation clients simultaneously with KNX data
- creation of light scenes
- creation of measured value archives and energy consumption visualisation with KNX energy meters
- configuration tool for installation of IP settings and parameterisations
- with configuration and client software on USB stick
- managing up to 30 users with different access rights
- integration of max. 10 network cameras
- processor min. 600 MHz
- with USB interface for connecting to the bus
- with connecting cable

Design	Order no.	PU
domovea server software with USB adapter	**TJ701A**	1

Power supply 24 V DC 1A

Operating voltage	230 V~
Frequency	50/60 Hz
Output voltage	24 V=
Output current	max. 1 A
Current consumption	< 150 mA
Power consumption	36 W
Operating temperature	+0 ... +45 °C
Width of rail mounted device (RMD)	4 TE

– with quickconnect plug-in terminals

Suitable for	Order no.	Page
Glass sensors comfort		88
Touch sensors with thermostat		103
Glass sensors with thermostat		90
Touch panel	WDI...	148
domovea server incl. software	TJA450	146
KNX weather station	TG053A	114
output device for 4 shutters and / or blinds	TYA624D	131
Output device for 4 shutters a24V DC	TYA624B	131
3-channel LED controller - voltage controlled	TYB673A	129
3-channel LED controller - current controlled	TYB673B	129
KNX thermostat	8044 01 00	33
KNX room controller	8066 01 00	34
Router IP/KNX	TH210	139
IP/KNX interface	TYF120	139
Din rail analogue actuator 4gang	TYF784	115

Design	Order no.	PU
light grey matt	**TGA200**	1

domovea system package

Knowledge of the relevant network technology is required for installation.

Set consisting of:
- domovea server incl. software, order no. TJA450
- Power supply 24 V DC 1A, order no. TGA200

Suitable for	Order no.	Page
Touch panel	WDI...	148

Design	Order no.	PU
domovea set	**TJA451**	1

Touch panels

Touch panel 7" Android

Power over Ethernet (PoE)	18 ... 48 V=
Auxiliary voltage	18 ... 48 V=
Power consumption	< 10 W
TFT screen size	7"
Light intensity	300 cd/m²
Transmission rate Ethernet	max. 10/100 Mbit/s
Processor	1 GHz
RAM	512 MB
Operating temperature	+ 5 ... + 45 °C
Dimensions (W x H x D)	189.7 x 125.7 x 48.3 mm
Assembling height	12 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

- for display of preconfigured functions, measured values and data
- suitable for vertical and horizontal domovea visualisation
- depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
- multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
- display illumination can be switched on automatically using brightness sensor
- connection to KNX system possible via a local server e.g. the domovea server
- external applications (Apps) available in preinstalled Android launcher
- integration of door communication functions in the domovea client or Elcom VideoFON client
- silent, long-lasting convection cooling without fan
- RJ45 Port for LAN connection
- card slot with 8 GB SDHC card
- microphone and loudspeaker with echo suppression
- with USB/Mini USB type A adapter cable
- with RJ45 connector kit from connector and patch cable
- mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
- 2 USB 2.0 connections on the rear
- for flush mounting and hollow-wall mounting
- for vertical and horizontal mounting

Suitable for	**Order no.**	**Page**
Housing flush-mounted for WDI07x	WDW070	151
Housing flush-mounted for WDI07x, flush-to-wall	WDW071	152
optional		
Electrical power supply 24 V DC	TGA200	138
domovea Server incl. software	TJA450	146
domovea system package	TJA451	147

Design	Order no.	PU
anthracite, 7"	**WDI070**	1

Touch panel 10" Android

Power over Ethernet (PoE)	18 ... 48 V=
Auxiliary voltage	18 ... 48 V=
Power consumption	< 10 W
TFT screen size	10"
Light intensity	300 cd/m²
Transmission rate Ethernet	max. 10/100 Mbit/s
Processor	1 GHz
RAM	512 MB
Operating temperature	+ 5 ... + 45 °C
Dimensions (W x H x D)	259.4 x 177 x 67.5 mm
Assembling height	10 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

- for display of preconfigured functions, measured values and data
- suitable for horizontal domovea visualisation
- depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
- multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
- display illumination can be switched on automatically using brightness sensor
- connection to KNX system possible via a local server e.g. the domovea server
- external applications (Apps) available in preinstalled Android launcher
- integration of door communication functions in the domovea client or Elcom VideoFON client
- silent, long-lasting convection cooling without fan
- RJ45 Port for LAN connection
- card slot with 8 GB SDHC card
- microphone and loudspeaker with echo suppression
- with USB/Mini USB type A adapter cable
- with RJ45 connector kit from connector and patch cable
- mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
- 2 USB 2.0 connections on the rear
- for flush mounting and hollow-wall mounting
- for horizontal mounting

Suitable for	**Order no.**	**Page**
Housing flush-mounted for WDI10x	WDW100	151
Housing flush-mounted for WDI10x, flush-to-wall	WDW101	152
optional		
Electrical power supply 24 V DC	TGA200	138
domovea Server incl. software	TJA450	146
domovea system package	TJA451	147

Design	Order no.	PU
anthracite, 10"	**WDI100**	1

Touch panel 10" Windows

Auxiliary voltage	24 V=
Power consumption	max. 20 W
TFT screen size	10"
Light intensity	300 cd/m²
Transmission rate Ethernet	max. 1000 Mbit/s
Processor	2 x 1 GHz
RAM	2 GB
Operating temperature	+ 5 ... + 35 °C
Dimensions (W x H x D)	259.4 x 177 x 67.5 mm
Assembling height	10 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

- for display of preconfigured functions, measured values and data
- signal and operating panel with touch-sensitive TFT colour display in 16:9 format
- suitable for horizontal domovea visualisation
- depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
- multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
- disabling function for cleaning the user interface
- display illumination can be switched on automatically using brightness sensor
- connection to KNX system possible via a local server e.g. the domovea server
- visualisation for Berker IP-Control via browser
- integrated PC with Windows embadded operating system
- integration of door communication functions in the Elcom VideoFON client
- silent, long-lasting convection cooling without fan
- 2 RJ45 Ports for LAN connection
- internal memory of 64 GB SSD present
- microphone and loudspeaker with echo suppression
- with USB/Mini USB type A adapter cable
- with RJ45 connector kit from connector and patch cable
- mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
- 2 USB 2.0 connections on the rear
- additional connection for Serial RS232
- RJ45 cable in scope of delivery
- for flush mounting and hollow-wall mounting
- for horizontal mounting

Suitable for	**Order no.**	**Page**
Housing flush-mounted for WDI10x	WDW100	151
Housing flush-mounted for WDI10x, flush-to-wall	WDW101	152
optional		
Electrical power supply 24 V DC	TGA200	138
domovea Server incl. software	TJA450	146
domovea system package	TJA451	147

Design	Order no.	PU
anthracite, 10"	**WDI101**	1

Touch panel 16" Windows

Auxiliary voltage	24 V=
Power consumption	max. 20 W
TFT screen size	16"
Light intensity	220 cd/m²
Transmission rate Ethernet	max. 1000 Mbit/s
Processor	2 x 1 GHz
RAM	2 GB
Operating temperature	+ 5 ... + 35 °C
Dimensions (W x H x D)	377.4 x 231.8 x 66.4 mm
Assembling height	11 mm

PoE power supply according to IEEE 802.3af Class 3 possible without audio applications.

- for display of preconfigured functions, measured values and data
- signal and operating panel with touch-sensitive TFT colour display in 16:9 format
- suitable for horizontal domovea visualisation
- depending on the software visualisation one and two surface operation, stepless configuration based on sliding and page scrolling by swiping are supported
- multi-touch function for the connection of multiple actions, e.g. to activate a function with simultaneous setting of a function value
- disabling function for cleaning the user interface
- display illumination can be switched on automatically using brightness sensor
- connection to KNX system possible via a local server e.g. the domovea server
- visualisation for Berker IP-Control via browser
- integrated PC with Windows embadded operating system
- integration of door communication functions in the Elcom VideoFON client
- silent, long-lasting convection cooling without fan
- 2 RJ45 Ports for LAN connection
- internal memory of 32 GB SSD present
- microphone and loudspeaker with echo suppression
- with USB/Mini USB type A adapter cable
- with RJ45 connector kit from connector and patch cable
- mini-USB 2.0 jack e.g. for external storage media or updates on the upper display edge is accessible without dismantling
- 2 USB 2.0 connections on the rear
- additional connection for Serial RS232
- RJ45 cable in scope of delivery
- for flush mounting and hollow-wall mounting
- for horizontal mounting

Suitable for	**Order no.**	**Page**
Housing flush-mounted for WDI16x	WDW160	151
Housing flush-mounted for WDI16x, flush-to-wall	WDW161	152
optional		
Electrical power supply 24 V DC	TGA200	138
domovea Server incl. software	TJA450	146
domovea system package	TJA451	147

Design	Order no.	PU
anthracite, 16"	**WDI161**	1

Flush-mounted housing

- for installation of a Touch panel
- with cleaning cover
- for flush mounting and hollow-wall mounting
- for vertical and horizontal mounting

Design	Order no.	PU
Housing flush-mounted for WDI07x, anthracite, lacquered [1]	**WDW070**	1
Housing flush-mounted for WDI10x, anthracite, lacquered [2]	**WDW100**	1
Housing flush-mounted for WDI16x, anthracite, lacquered [3]	**WDW160**	1

[1] Dimensions (W x H x D): 190 x 126 x 47 mm, cavity wall opening (W x H x D): 182 x 117 x 47 mm
[2] Dimensions (W x H x D): 260 x 177 x 64 mm, cavity wall opening (W x H x D): 252 x 169 x 64 mm
[3] Dimensions (W x H x D): 378 x 233 x 64 mm, cavity wall opening (W x H x D): 370 x 225 x 64 mm

Flush-mounted housing, flush-to-wall

- for flush-to-wall installation of a Touch Panel
- with Push-to-open mechanism for comfortable mounting
- with cleaning cover
- for flush mounting and hollow-wall mounting
- for vertical and horizontal mounting

Design	Order no.	PU
Housing flush-mounted for WDI07x, flush-to-wall, anthracite, lacquered [1]	**WDW071**	1
Housing flush-mounted for WDI10x, flush-to-wall, anthracite, lacquered [2]	**WDW101**	1
Housing flush-mounted for WDI16x, flush-to-wall, anthracite, lacquered [3]	**WDW161**	1

[1] Dimensions (W x H x D): 197.7 x 133.6 x 74 mm, cavity wall opening (W x H x D): 197.7 x 133.6 x 74 mm
[2] Dimensions (W x H x D): 269 x 186 x 74 mm, cavity wall opening (W x H x D): 269 x 186 x 74 mm
[3] Dimensions (W x H x D): 387 x 242 x 74 mm, cavity wall opening (W x H x D): 387 x 242 x 74 mm

Operating panels

IP Control RMD

Operating voltage	10 ... 30 V=
Power consumption	5 VA
receiptable addresses	32766
RAM	256 MB
Operating temperature	+0 ... +35 °C
Assembling height as from DIN rail	58 mm
Width of rail mounted device (RMD)	8 TE
Dimensions (W x H x D)	144 x 90 x 64 mm

PRODUCT VARIANT FOR USE-INDEPENDENT ROOM CONTROL:
IP control (order no. 7571 00 36) including software, with which an assignment plan can be stored, for building services engineering control according to room/building use, e.g. in schools according to timetables or in public buildings according to visiting or working times.

Knowledge of the relevant network technology is required for installation.

Mobile devices such as iPhones/iPad, mobile phones or PDAs can be linked via the Internet.

- integrated element library with standard operating elements
- freely configurable graphic operating surface for representation on the PC monitor
- up to 20 operating configurations for different applications
- integration of external control units with JAVA support (e.g. tablet PC) via WLAN
- central operating and visualisation unit for KNX via web browser
- control of multimedia applications
- for control and visualisation of e.g.shutters, lights, heating, ventilation, alarm system, sensors
- with status LED for operational stand-by, data processing, KNX communication, LAN status
- KNX server to supply up to 15 visualisation clients with KNX data
- time updating via Internet NTP server and sending on the KNX
- creation of light scenes with up to 28 telegrams each
- central functions/scenarios for heating, shutters, illumination, etc. can be configured by end user
- remote commissioning / maintenance of KNX systems possible via the Internet
- commissioning and programming without ETS via web browser
- with week and year timer function
- configuration tool for installation of IP settings and parameterisations
- support of common web browsers (IE, Netscape, Firefox etc.)
- with event indicator for e.g. status/alarm messages via e-mail
- operation with non-choked output of KNX voltage supply possible (pay attention to current consumption)
- administration of 50 users for the control of access authorisation
- database connection to the memory of utilisation/ consumption data of the KNX
- also usable with Apple Macintosh
- with updatable Flash-Controller for subsequent function expansions
- integration of network cameras possible
- for LAN connection of individual KNX installations
- with integrated controller for logic functions (concatenations, threshold value processing)
- RJ45 Port for LAN connection
- bus connection via connecting terminal
- with screw terminals

Suitable for	**Order no.**	**Page**
Touch panel	WDI...	148

Design	Order no.	PU
IP control RMD, light grey	**7571 00 04**	1
IP-Control for use-dependent room controllers RMD, light grey	**7571 00 36**	1

Berker KNX wireless components

The Berker switch ranges S.1, B.3, B.7, Q.1, Q.3, K.1, K.5, R.1 and R.3 are available in conventional and in KNX wireless technology. As suitable for new buildings as for the refitting or extension of existing installations. It is equipped with amazing functions, such as precise dimming for all kind of bulbs.

08

Page

Application modules conventional

Button 1gang

Button 2gang


Motion detector 1.1/2.2 m


IR motion detector comfort 1.1/2.2 m


Blind button

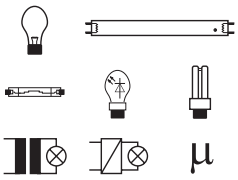

Blind-time switch

Inserts	Order no.	8514 11 xx	8514 21 xx	8534 11 xx 8534 21 xx	8534 12 xx 8534 22 xx	8524 11 xx	8574 11 xx
Universal switch insert, 1gang 	8512 11 00	■		■	■		
Relay insert 	8512 12 00	■		■	■		
Touch dimmer (R,L) 	8542 11 00	■		■	■		
Universal touch dimmer 1gang 	8542 12 00	■		■	■		
Universal switch insert, 2gang 	8512 22 00		■				
Universal touch dimmer 2gang 	8542 21 00		■				
Blind insert comfort 	8522 11 00					■	■
Power supply for wireless application module 	8502 01 00						
Extension unit for motion detector 	8532 01 00			■	■		

Application modules KNX wireless	KNX wireless button 1gang	KNX wireless button 2gang	KNX wireless button 4gang	 KNX wireless motion detector comfort 1.1/2.2 m	 KNX wireless timer	 KNX wireless blind button	 KNX wireless blind time switch
	8514 51 xx	8514 61 xx	8564 81 xx	8534 51 xx 8534 61 xx	8574 52 xx	8524 51 xx	8574 51 xx
	■		■	■			
	■		■	■	■		
	■		■	■			
	■		■	■			
		■	■				
		■	■				
						■	■
	■	■	■	■	■	■	■

Light control

Switch inserts



Relay insert

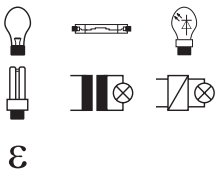
Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	2300 W
230 V retrofit LED lamps	440 W
Dimmable energy-saving lamps	440 W
Fluorescent lamps:	
- uncompensated	1100 VA
- parallel compensated	1000 W /130 µF
- in Duo circuit	1000 W
- with electronical ballast (EB)	1000 W
Compact fluorescent lamps with electronic ballast	22 x 20 W
Dimmable conventional transformers	1500 VA
Electronic transformers and dual-mode transformers	1500 W
Minimum contact load	≈ 15 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Housing installation depth	22 mm
Claw guidance installation depth	32 mm

- low intrinsic energy requirement
- also usable as push-button relay switch
- with extension unit input for push-button (NO contact), single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Neutral conductor necessary!

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Relay insert	**8512 12 00**	1



Switch insert 1gang

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	25 ... 400 W
Dimmable 230 V retrofit LED lamps	5 ... 70 W
Dimmable energy-saving lamps	13 ... 80 W
Dimmable conventional transformers	25 ... 400 VA
Electronic transformers and dual-mode transformers	25 ... 400 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- bulb-preserving soft startup
- automatic setting to dimmable loads (autoDetect process)
- short-circuit and overload proof (electronic fuse)
- optimisation of the dimming performance by fine adjustment of the load type and special adjustment mode
- with extension unit input for push-button (NO contact), single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

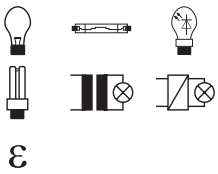
Caution!
Only connect **dimmable** 230 V ESL or retrofit-LED lamps.

Only suitable for operation with dimmable loads!

Do not connect inductive and capacitive loads jointly.

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Switch insert 1gang	**8512 11 00**	1



Switch insert 2gang

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 1 W
230 V incandescent lamps and halogen lamps	per channel 35 ... 300 W
Dimmable 230 V retrofit LED lamps	per channel 12 ... 54 W
Dimmable energy-saving lamps	per channel 15 ... 54 W
Dimmable conventional transformers	per channel 35 ... 300 VA
Electronic transformers and dual-mode transformers	per channel 35 ... 300 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. per channel 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- bulb-preserving soft startup
- automatic setting to dimmable loads (autoDetect process)
- short-circuit and overload proof (electronic fuse)
- optimisation of the dimming performance by fine adjustment of the load type and special adjustment mode
- with 2 extension unit inputs for push-button (NO contact), single-surface operation
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Caution!
Only connect **dimmable** 230 V ESL or retrofit-LED lamps.

Only suitable for operation with dimmable loads!

Do not connect inductive and capacitive loads jointly.

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Switch insert 2gang	**8512 22 00**	1

Dimmer inserts

Touch dimmer (R, L)

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	25 ... 400 W
Dimmable conventional transformers	25 ... 400 VA
Number of universal capacity enhancers	max. 2
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- switch-on brightness level can be stored safe after power failure
- bulb-preserving soft startup
- phase cut-on
- short-circuit and overload proof (electronic fuse)
- with extension unit input for push-button (NO contact) with single-surface operation and motion detector extension unit
- expandable with universal power boosters RMD Plus
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Touch dimmer (R, L)	**8542 11 00**	1

Universal touch dimmer 1gang

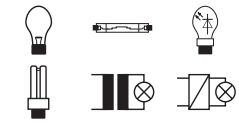
Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	25 ... 400 W
Dimmable 230 V retrofit LED lamps	5 ... 70 W
Dimmable energy-saving lamps	13 ... 80 W
Dimmable conventional transformers	25 ... 400 VA
Electronic transformers and dual-mode transformers	25 ... 400 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- bulb-preserving soft startup
- automatic setting to dimmable loads (autoDetect process)
- phase cut-on or cut-off according to load type, self-learning
- short-circuit and overload proof (electronic fuse)
- optimisation of the dimming performance by fine adjustment of the load type and special adjustment mode
- with extension unit input for push-button (NO contact) with single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Do not connect inductive and capacitive loads jointly.

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Universal touch dimmer 1gang	**8542 12 00**	1



Universal touch dimmer 2gang

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption, standby (Channel 1/Channel 2)	0,3/0,7 W
230 V incandescent lamps and halogen lamps	per channel 35 ... 300 W
Dimmable 230 V retrofit LED lamps	per channel 12 ... 40 W
Dimmable energy-saving lamps	per channel 15 ... 54 W
Dimmable conventional transformers	per channel 35 ... 300 VA
Electronic transformers and dual-mode transformers	per channel 35 ... 300 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. per channel 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

Do not connect inductive and capacitive loads jointly per series.

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

- low intrinsic energy requirement
- bulb-preserving soft startup
- automatic setting to dimmable loads (autoDetect process)
- phase cut-on or cut-off according to load type, self-learning
- short-circuit and overload proof (electronic fuse)
- optimisation of the dimming performance by fine adjustment of the load type and special adjustment mode
- with 2 extension unit inputs for push-button (NO contact), single-surface operation
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Design	Order no.	PU
Universal touch dimmer 2gang	**8542 21 00**	1

KNX wireless buttons for switches/dimmers

KNX wireless button 1gang quicklink

Wireless transmission/reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-5 ... +45 °C

For manual actuation or remote control via KNX wireless.

- low intrinsic energy requirement
- configurable transmission and/or reception behaviour
- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, 1 button control up/down, operating mode on/off, dimming value, brightness display, push-button, status display, forced control
- LED application module/insert compatibility display
- with configuration and function LEDs
- with configuration and function button
- operating areas configurable as one or two-area operation
- switch-on brightness level for each operating area on configuration with dimmer insert, power failure proof, storable
- scene saving lockable
- with anti-dismantling protection
- top and bottom operating area on 1gang switching/dimming inserts and network insert are freely configurable
- toolless quicklink configuration using buttons and LED display

Suitable for	Order no.	Page
Relay insert	8512 12 00	158
Switch insert 1gang	8512 11 00	159
Touch dimmer (R, L)	8542 11 00	160
Universal touch dimmer 1gang	8542 12 00	160
Mains insert for KNX wireless application module	8502 01 00	188

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8514 51 82**	1
polar white glossy	**8514 51 89**	1
polar white matt	**8514 51 88**	1
anthracite matt	**8514 51 85**	1
aluminium, matt, lacquered	**8514 51 83**	1

Design	Order no.	PU
Berker Q.1/Q.3		
white velvety	**8514 51 22**	1
polar white velvety	**8514 51 29**	1
anthracite velvety, lacquered	**8514 51 26**	1
aluminium velvety, lacquered	**8514 51 24**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	**8514 51 79**	1
anthracite matt, lacquered	**8514 51 75**	1
aluminium, matt, lacquered	**8514 51 77**	1
stainless steel matt, lacquered	**8514 51 73**	1

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy [1]	**8514 51 39**	1
black glossy [1]	**8514 51 31**	1

[1] no dismantling protection possible

KNX wireless button 2gang quicklink

Wireless transmission/reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	4
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-5 ... +45 °C

For manual actuation or remote control via KNX wireless.

- low intrinsic energy requirement
- configurable transmission and/or reception behaviour
- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, 1 button control up/down, operating mode on/off, dimming value, brightness display, push-button, status display, forced control
- LED application module/insert compatibility display
- with configuration and function LEDs
- with configuration and function button
- operating areas configurable as one or two-area operation
- switch-on brightness level for each operating area on configuration with dimmer insert, power failure proof, storable
- scene saving lockable
- with anti-dismantling protection
- top and bottom operating areas on 2gang switching/dimming inserts and network insert are freely configurable
- toolless quicklink configuration using buttons and LED display

Suitable for	Order no.	Page
Switch insert 2gang	8512 22 00	159
Universal touch dimmer 2gang	8542 21 00	161
Mains insert for KNX wireless application module	8502 01 00	188

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8514 61 82**	1
polar white glossy	**8514 61 89**	1
polar white matt	**8514 61 88**	1
anthracite matt	**8514 61 85**	1
aluminium, matt, lacquered	**8514 61 83**	1
Berker Q.1/Q.3		
white velvety	**8514 61 22**	1
polar white velvety	**8514 61 29**	1
anthracite velvety, lacquered	**8514 61 26**	1
aluminium velvety, lacquered	**8514 61 24**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	**8514 61 79**	1
anthracite matt, lacquered	**8514 61 75**	1
aluminium, matt, lacquered	**8514 61 77**	1
stainless steel matt, lacquered	**8514 61 73**	1

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy [1]	**8514 61 39**	1
black glossy [1]	**8514 61 31**	1

[1] no dismantling protection possible

quicklink

KNX wireless button 4gang quicklink

Wireless transmission/reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	4
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-5 ... +45 °C

Extended operating options on 1gang inserts through 2 additional, freely-configurable wireless channels.

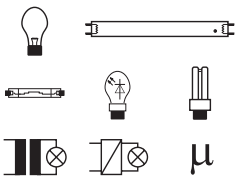
For manual actuation or remote control via KNX wireless.

- low intrinsic energy requirement
- functions for the push-button operation areas up/down or left/right can be freely configured as receiver for controlling the connected load and as transmitter for remote control of a blind, for example
- configurable transmission and/or reception behaviour
- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, 1 button control up/down, operating mode on/off, dimming value, brightness display, push-button, status display, forced control
- LED application module/insert compatibility display
- with configuration and function LEDs
- with configuration and function button
- operating areas configurable as one or two-area operation
- switch-on brightness level for each operating area on configuration with dimmer insert, power failure proof, storable
- scene saving lockable
- with anti-dismantling protection
- toolless quicklink configuration using buttons and LED display

Suitable for	Order no.	Page
Switch inserts		158, 159
Dimmer inserts		160, 161
Mains insert for KNX wireless application module	8502 01 00	188

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8564 81 82**	1
polar white glossy	**8564 81 89**	1
polar white matt	**8564 81 88**	1
anthracite matt	**8564 81 85**	1
aluminium, matt, lacquered	**8564 81 83**	1
Berker Q.1/Q.3		
white velvety	**8564 81 22**	1
polar white velvety	**8564 81 29**	1
anthracite velvety, lacquered	**8564 81 26**	1
aluminium velvety, lacquered	**8564 81 24**	1
Berker K.1/K.5		
polar white glossy	**8564 81 79**	1
anthracite matt, lacquered	**8564 81 75**	1
aluminium, matt, lacquered	**8564 81 77**	1
stainless steel matt, lacquered	**8564 81 73**	1
Berker R.1/R.3		
polar white glossy [1]	**8564 81 39**	1
black glossy [1]	**8564 81 31**	1

KNX wireless time switches



Relay insert

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	2300 W
230 V retrofit LED lamps	440 W
Dimmable energy-saving lamps	440 W
Fluorescent lamps:	
- uncompensated	1100 VA
- parallel compensated	1000 W /130 µF
- in Duo circuit	1000 W
- with electronical ballast (EB)	1000 W
Compact fluorescent lamps with electronic ballast	22 x 20 W
Dimmable conventional transformers	1500 VA
Electronic transformers and dual-mode transformers	1500 W
Minimum contact load	≈ 15 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Housing installation depth	22 mm
Claw guidance installation depth	32 mm

- low intrinsic energy requirement
- also usable as push-button relay switch
- with extension unit input for push-button (NO contact), single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Neutral conductor necessary!

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Relay insert	**8512 12 00**	1

quicklink

KNX wireless timer quicklink

- Display

Wireless transmission/reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Astronomic time shift	± 2 h
Random number generator	± 15 min
Running accuracy	± 3 min/year
Power reserve	≈ 24 h
Number of switching times for on/off	20
Operating temperature	-5 ... +45 °C

Control using device buttons, wireless transmitters and programmed switching times.

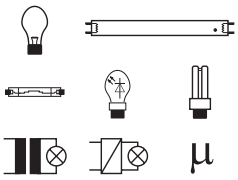
- low intrinsic energy requirement
- 2 independent preset programme memories, individually adaptable
- with switchover manual/automatic mode
- astro programme for sunrise/sundown switching with city/country or co-ordinate input, individually adaptable
- holiday programme for random variation of the switching times in automatic operation
- standalone programme, wireless and extension unit commands are not executed
- configurable transmission and/or reception behaviour
- with keylock
- party function, no execution of automatic, wireless and extension unit commands (switch protection)
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, scene loading, time dimming value, push-button, status display
- with automatic summer-/winter time switching (can be switched off)
- indication of the application module/insert compatibility in the display
- LC display illuminated during operation
- LC display contrast is adjustable
- menu guidance available in German, English or French
- with anti-dismantling protection

Suitable for	Order no.	Page
Relay insert	8512 12 00	158
Mains insert for KNX wireless application module	8502 01 00	188

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8574 52 82**	1
polar white glossy	**8574 52 89**	1
polar white matt	**8574 52 88**	1
anthracite matt	**8574 52 85**	1
aluminium, matt, lacquered	**8574 52 83**	1
Berker Q.1/Q.3		
white velvety	**8574 52 22**	1
polar white velvety	**8574 52 29**	1
anthracite velvety, lacquered	**8574 52 26**	1
aluminium velvety, lacquered	**8574 52 24**	1
Berker K.1/K.5		
polar white glossy	**8574 52 79**	1
anthracite matt, lacquered	**8574 52 75**	1
aluminium, matt, lacquered	**8574 52 77**	1
stainless steel matt, lacquered	**8574 52 73**	1
Berker R.1/R.3		
polar white glossy	**8574 52 39**	1
black glossy	**8574 52 31**	1

Wireless system platform motion detectors

Inserts



Relay insert

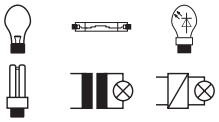
Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	2300 W
230 V retrofit LED lamps	440 W
Dimmable energy-saving lamps	440 W
Fluorescent lamps:	
- uncompensated	1100 VA
- parallel compensated	1000 W /130 µF
- in Duo circuit	1000 W
- with electronical ballast (EB)	1000 W
Compact fluorescent lamps with electronic ballast	22 x 20 W
Dimmable conventional transformers	1500 VA
Electronic transformers and dual-mode transformers	1500 W
Minimum contact load	≈ 15 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Housing installation depth	22 mm
Claw guidance installation depth	32 mm

- low intrinsic energy requirement
- also usable as push-button relay switch
- with extension unit input for push-button (NO contact), single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Neutral conductor necessary!

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Relay insert	**8512 12 00**	1



Switch insert 1gang

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	25 ... 400 W
Dimmable 230 V retrofit LED lamps	5 ... 70 W
Dimmable energy-saving lamps	13 ... 80 W
Dimmable conventional transformers	25 ... 400 VA
Electronic transformers and dual-mode transformers	25 ... 400 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- bulb-preserving soft startup
- automatic setting to dimmable loads (autoDetect process)
- short-circuit and overload proof (electronic fuse)
- optimisation of the dimming performance by fine adjustment of the load type and special adjustment mode
- with extension unit input for push-button (NO contact), single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Caution!
Only connect **dimmable** 230 V ESL or retrofit-LED lamps.

Only suitable for operation with dimmable loads!

Do not connect inductive and capacitive loads jointly.

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Switch insert 1gang	**8512 11 00**	1

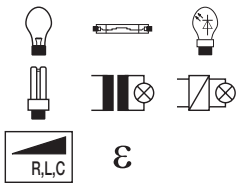
Touch dimmer (R, L)

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	25 ... 400 W
Dimmable conventional transformers	25 ... 400 VA
Number of universal capacity enhancers	max. 2
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- switch-on brightness level can be stored safe after power failure
- bulb-preserving soft startup
- phase cut-on
- short-circuit and overload proof (electronic fuse)
- with extension unit input for push-button (NO contact) with single-surface operation and motion detector extension unit
- expandable with universal power boosters RMD Plus
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Touch dimmer (R, L)	**8542 11 00**	1



Universal touch dimmer 1gang

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.3 W
230 V incandescent lamps and halogen lamps	25 ... 400 W
Dimmable 230 V retrofit LED lamps	5 ... 70 W
Dimmable energy-saving lamps	13 ... 80 W
Dimmable conventional transformers	25 ... 400 VA
Electronic transformers and dual-mode transformers	25 ... 400 W
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Insertion depth	32 mm

- low intrinsic energy requirement
- bulb-preserving soft startup
- automatic setting to dimmable loads (autoDetect process)
- phase cut-on or cut-off according to load type, self-learning
- short-circuit and overload proof (electronic fuse)
- optimisation of the dimming performance by fine adjustment of the load type and special adjustment mode
- with extension unit input for push-button (NO contact) with single-surface operation and motion detector extension unit
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Do not connect inductive and capacitive loads jointly.

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

Design	Order no.	PU
Universal touch dimmer 1gang	**8542 12 00**	1

KNX wireless motion detector application modules

KNX wireless motion detector comfort 1.1 m quicklink

Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Delay time, adjustable	≈ 1 s ... 3 h
Nominal mounting height	1.1 m
Detection angle, settable	each side ≈ 45 ... 90 °
Response sensitivity, settable	≈ 10 ... 100 %
Response brightness, adjustable	≈ 5 ... 1000 lx, ∞ lx (day)
Range, frontal	≈ 12 m
Range, side	each ≈ 8 m
Detection field, rectangular shaped	≈ 12 x 16 m
Switch-off pre-warning to dimming value 50% for	30 s
Operating temperature	-5 ... +45 °C
Assembling height	34 mm

- low intrinsic energy requirement
- with memory function for presence simulation
- teach function for response brightness via button
- with keylock
- party function for switching on for 2 hours
- reset function (to factory setting)
- switch-off pre-warning on dimmer inserts
- quicklink functions: switching, dimming, 2 scenes, time switching, NO contact push-button, Memory, forced control, Master-Slave
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value, brightness display, movement scene loading, no movement scene loading
- LED application module/insert compatibility display
- with operation and status LED, red/green/orange
- with configuration and function LEDs
- with configuration and function button
- with button for on/off/automatic/memory/party function
- remote control via quicklink transmitter
- scene opening via KNX wireless appliances
- scene saving lockable
- µ-processor controlled mode of operation
- with anti-dismantling protection
- optional operation of extension units using installation push-button

Continuous direct sunlight penetrating the upward-pointing detection plane can result in failure of the motion detector.
Only suitable for indoor areas!

Suitable for	Order no.	Page
Inserts		166 to 168
Mains insert for KNX wireless application module	8502 01 00	188

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8534 51 82**	1
polar white glossy	**8534 51 89**	1
polar white matt	**8534 51 88**	1
anthracite matt	**8534 51 85**	1
aluminium, matt, lacquered	**8534 51 83**	1

Berker Q.1/Q.3		
white velvety	**8534 51 22**	1
polar white velvety	**8534 51 29**	1
anthracite velvety, lacquered	**8534 51 26**	1
aluminium velvety, lacquered	**8534 51 24**	1

Berker K.1/K.5		
polar white glossy	**8534 51 79**	1
anthracite matt, lacquered	**8534 51 75**	1
aluminium, matt, lacquered	**8534 51 77**	1
stainless steel matt, lacquered	**8534 51 73**	1

Berker R.1/R.3		
polar white glossy [1]	**8534 51 39**	1
black glossy [1]	**8534 51 31**	1

[1] no dismantling protection possible

KNX wireless motion detector comfort 2.2 m quicklink

Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Delay time, adjustable	≈ 1 s ... 3 h
Nominal mounting height	2.2 m
Detection angle, settable	each side ≈ 45 ... 90 °
Response sensitivity, settable	≈ 10 ... 100 %
Response brightness, adjustable	≈ 5 ... 1000 lx, ∞ lx (day)
Range, frontal	≈ 8 m
Range, frontal (at 1.1 m installation height)	≈ 4 m
Range, side	each ≈ 6 m
Range, side (at 1.1 m installation height)	each ≈ 3 m
Detection field, rectangular shaped	≈ 8 x 12 m
Switch-off pre-warning to dimming value 50% for	30 s
Operating temperature	-5 ... +45 °C
Assembling height	34 mm

- low intrinsic energy requirement
- with memory function for presence simulation
- teach function for response brightness via button
- with keylock
- party function for switching on for 2 hours
- reset function (to factory setting)
- switch-off pre-warning on dimmer inserts
- quicklink functions: switching, dimming, 2 scenes, time switching, NO contact push-button, Memory, forced control, Master-Slave
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value, brightness display, movement scene loading, no movement scene loading
- LED application module/insert compatibility display
- with operation and status LED, red/green/orange
- with configuration and function LEDs
- with configuration and function button
- with button for on/off/automatic/memory/party function
- remote control via quicklink transmitter
- scene opening via KNX wireless appliances
- scene saving lockable
- µ-processor controlled mode of operation
- with anti-dismantling protection
- optional operation of extension units using installation push-button

Suitable for	Order no.	Page
Inserts		166 to 168
Mains insert for KNX wireless application module	8502 01 00	188

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8534 61 82**	1
polar white glossy	**8534 61 89**	1
polar white matt	**8534 61 88**	1
anthracite matt	**8534 61 85**	1
aluminium, matt, lacquered	**8534 61 83**	1

Berker Q.1/Q.3		
white velvety	**8534 61 22**	1
polar white velvety	**8534 61 29**	1
anthracite velvety, lacquered	**8534 61 26**	1
aluminium velvety, lacquered	**8534 61 24**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	**8534 61 79**	1
anthracite matt, lacquered	**8534 61 75**	1
aluminium, matt, lacquered	**8534 61 77**	1
stainless steel matt, lacquered	**8534 61 73**	1
Berker R.1/R.3		
polar white glossy [1]	**8534 61 39**	1
black glossy [1]	**8534 61 31**	1

[1] no dismantling protection possible

Surface-mounted motion detectors

quicklink 2,5 m IP55

KNX wireless motion detector 220° surface-mounted

Operating voltage	4.5 V=
Battery service life	≈ 4 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Delay time, adjustable	≈ 1 s ... 3 h
Lockout time	10 s
Recommended installation height	≈ 2.5 m
Detection angle	220 °
Response sensitivity, settable	≈ 20 ... 100 %
Response brightness, adjustable	≈ 5 ... 1000 lx, ∞ lx (day)
Range, frontal	≈ 16 m
Range, side	each ≈ 8 m
Detection field, semi-oval shaped	≈ 16 x 16 m
Operating temperature	-20 ... +55 °C
Dimensions (W x H x D)	91 x 130 x 153 mm

- low intrinsic energy requirement
- reset function (to factory setting)
- quicklink functions: time switching, NO contact push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: operating mode on/off, push-button, dimming value, brightness display, movement scene loading, no movement scene loading
- with battery status indicator
- with configuration LED
- with LED detection indicator
- with configuration button
- µ-processor controlled mode of operation
- with crawl-under protection
- with 3 Micro, alkaline batteries AAA LR03
- toolless quicklink configuration using buttons and LED display
- for wall and ceiling installation, corner installation with adapter
- vertically slewing and horizontally rotating
- with cover elements to limit the detection field
- wall retaining plate and fastening material included in scope of delivery

Suitable for optional	Order no.	Page
Surface-mounted corner mounting adapter for motion detector	EE855	171

Design	Order no.	PU
polar white matt	**TRE520**	1
anthracite	**TRE521**	1

IP55

KNX wireless motion detector 220° solar

Operating voltage	4.5 V=
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Delay time, adjustable	≈ 1 s ... 3 h
Lockout time	10 s
Recommended installation height	≈ 2.5 m
Detection angle	220 °
Response sensitivity, settable	≈ 20 ... 100 %
Response brightness, adjustable	≈ 5 ... 1000 lx, ∞ lx (day)
Range, frontal	≈ 16 m
Range, side	each ≈ 8 m
Detection field, semi-oval shaped	≈ 16 x 16 m
Operating temperature	-20 ... +55 °C
Dimensions (W x H x D)	91 x 130 x 153 mm

- low intrinsic energy requirement
- reset function (to factory setting)
- quicklink functions: time switching, NO contact push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: operating mode on/off, push-button, dimming value, brightness display, movement scene loading, no movement scene loading
- with configuration LED
- with LED detection indicator
- with configuration button
- µ-processor controlled mode of operation
- with crawl-under protection
- toolless quicklink configuration using buttons and LED display
- not dependent on mains power
- for wall and ceiling installation, corner installation with adapter
- vertically slewing and horizontally rotating
- with cover elements to limit the detection field
- wall retaining plate and fastening material included in scope of delivery

Suitable for optional	Order no.	Page
Surface-mounted corner mounting adapter for motion detector	EE855	171

Design	Order no.	PU
polar white matt	**TRE530**	1
anthracite	**TRE531**	1

KNX wireless motion detector 220° surface-mounted/ switch actuator 1gang surface-mounted set

- low intrinsic energy requirement
- the motion detector (transmitter) and switch actuator (receiver) are pre-configured for joint use
- set consists of KNX wireless controller 220°, surface-mounted (order no. 8536 51 00) and switch actuator, 1gang, surface-mounted (order no. 8516 51 00)

Suitable for optional	Order no.	Page
Surface-mounted corner mounting adapter for motion detector	EE855	171

Design	Order no.	PU
polar white matt/white	**TRE720**	1

Surface-mounted corner mounting adapter for motion detector

- for mounting, e.g. on building corners

Suitable for	Order no.	Page
KNX wireless motion detector 220° surface-mounted	TRE520	170
KNX wireless motion detector 220° solar	TRE530	171
KNX wireless motion detector 220° surface-mounted/switch actuator 1gang surface-mounted set	TRE720	171

Design	Order no.	PU
polar white matt	**EE855**	1
anthracite	**EE856**	1

Light sensitive switch

KNX wireless brightness sensor

Operating voltage	3 V=
Battery service life	≈ 4 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	3 objects: - input up / down - slat angle / stop - battery status
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Sun setting range	≈ 1 ... 10 klx
Twilight setting range	≈ 10 ... 300 lx
Operating temperature	+0 ... +50 °C
Fibre optic cable, sensor cable length	≈ 1.5 m
Dimensions (L x W x H)	138 x 26 x 31 mm
Weight	≈ 70 g

- reset function (to factory setting)
- quicklink functions: up/down push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: button function, battery condition
- with 2 potentiometers for sun/twilight and LED display for actual value
- with configuration LED
- with configuration button
- with 2 Micro, alkaline batteries AAA LR03
- toolless quicklink configuration using buttons and LED display
- confectioned, with fibre-optic cable and plug
- for suction cover to window pane
- with photodiode
- with adhesive pads and adhesive cable clips for fastening

Suitable for	Order no.	Page
KNX wireless blind button quicklink	8524 52 ..	173
KNX wireless blind time switch quicklink	8574 51 ..	174

Design	Order no.	PU
polar white matt	**TRC321B**	1

Physical sensor

Wireless magnetic contact

KNX wireless magnetic contact

Operating voltage	3 V=
Battery service life	≈ 4 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	+0 ... +50 °C
Distance to magnet	max. 5 mm
Dimensions (L x W x H)	138 x 26 x 31 mm
Weight	≈ 70 g

- reset function (to factory setting)
- quicklink functions: switching, blind, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: value, delay time, button function, battery condition
- with configuration LED
- with transmission status, battery status and control LEDs
- with configuration button
- with 2 Micro, alkaline batteries AAA LR03
- toolless quicklink configuration using buttons and LED display
- with adapters for magnet height compensation
- with adhesive pads for fastening
- with additional screw terminals for wired reed contacts

Design	Order no.	PU
polar white matt	**TRC301B**	1

Blind control

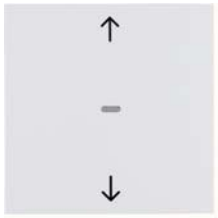
Blind insert comfort

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current (ohmic/ inductive)	max. 5 A
Switching current at cos φ = 0.6	max. 3 A
Power consumption (standby)	< 0.1 W
Change-over time for change of direction	< 0.6 s
Operating temperature	-5 ... +45 °C
Number of substations	unlimited
Cable length, extensions	max. 50 m
Load cable length	max. 100 m
Screw terminals	max. 2 x 1,5/1 x 2,5 mm²
Housing installation depth	22 mm
Claw guidance installation depth	32 mm

- low intrinsic energy requirement
- with 2 mechanically and electrically mutually-locked relay contacts
- with 230 V extension unit inputs for up and down
- for single, group and master controls
- no conductive connection between supporting ring and spreading claws
- circuiting of extension units push-buttons for blinds, blind inserts, key push-buttons for blinds
- with screw terminals

Design	Order no.	PU
Blind insert comfort	**8522 11 00**	1

KNX wireless blind covers



KNX wireless blind button quicklink

Wireless transmission/ reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	
Wireless transmission range (building)	max. 30 m
Venetian blind movement time	2 min
Minimum slat adjustment time	≈ 150 ms
Lamella adjustment on signal duration	< 1 s
Lamella adjustment on button-press	< 0.4 s
Change-over time for change of direction	< 0.6 s
Operating temperature	-5 ... +45 °C

For manual actuation, automated memory execution or remote control via KNX wireless.

- low intrinsic energy requirement
- memory function for automatic execution of learned up and down times with position
- configurable transmission and/or reception behaviour
- party function, no execution of automatic, wireless and extension unit commands (lock-out protection)
- reset function (to factory setting)
- quicklink functions: blind, 2 scenes, memory, forced control, up/down push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode, status display, 2 x alarm
- LED application module/insert compatibility display
- with configuration and function LEDs
- with indicator LED for lock-out protection
- with status LED for memory and party function, red/ orange
- with configuration and function button
- scene opening via KNX wireless appliances
- slat position storable for scene
- with anti-dismantling protection
- toolless quicklink configuration using buttons and LED display
- sun protection and twilight-controlled lowering with wireless brightness sensor
- with imprinted symbol arrows

Suitable for	Order no.	Page
Blind insert comfort	8522 11 00	173
Mains insert for KNX wireless application module	8502 01 00	188
optional		
KNX wireless brightness sensor	TR321B	172

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8524 52 82**	1
polar white glossy	**8524 52 89**	1
polar white matt	**8524 52 88**	1
anthracite matt	**8524 52 85**	1
aluminium, matt, lacquered	**8524 52 83**	1

Design	Order no.	PU
Berker Q.1/Q.3		
polar white velvety	**8524 52 29**	1
anthracite velvety, lacquered	**8524 52 26**	1
aluminium velvety, lacquered	**8524 52 24**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	**8524 52 79**	1
anthracite matt, lacquered	**8524 52 75**	1
aluminium, matt, lacquered	**8524 52 77**	1
stainless steel matt, lacquered	**8524 52 73**	1

Design	Order no.	PU
Berker R.1/R.3		
polar white glossy	**8524 52 39**	1
black glossy	**8524 52 31**	1

quicklink

KNX wireless blind time switch quicklink

- Display

Wireless transmission/ reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Running time	2 min
Astronomic time shift	± 2 h
Random number generator for holiday program	± 15 min
Running accuracy	± 3 min/year
Power reserve	≈ 24 h
Number of operation times for up/down	20/day
Minimum slat adjustment time	≈ 150 ms
Lamella adjustment on signal duration	< 1 s
Lamella adjustment on button-press	< 0.5 s
Change-over time for change of direction	< 0.6 s
Operating temperature	-5 ... +45 °C

Control using device buttons, wireless transmitters and programmed switching times.

- low intrinsic energy requirement
- 2 independent preset programme memories, individually adaptable
- with switchover manual/automatic mode
- astro programme for sunrise/sundown switching with city/country or co-ordinate input, individually adaptable
- holiday programme for random variation of the operation times in automatic operation
- standalone programme, wireless and extension unit commands are not executed
- configurable transmission and/or reception behaviour
- with keylock
- party function, no execution of automatic, wireless and extension unit commands (lock-out protection)
- reset function (to factory setting)
- quicklink functions for integration into the individual, group and master control of blinds/shutters
- quicklink functions: blind, 2 scenes, forced control, up/down push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- with automatic summer-/winter time switching (can be switched off)
- scene opening via KNX wireless appliances
- slat position storable for scene
- indication of the application module/insert compatibility in the display
- LC display illuminated during operation
- LC display contrast is adjustable
- menu guidance available in German, English or French
- with anti-dismantling protection
- sun protection and twilight-controlled lowering with wireless brightness sensor

Suitable for	Order no.	Page
Blind insert comfort	8522 11 00	173
Mains insert for KNX wireless application module	8502 01 00	188
optional		
KNX wireless brightness sensor	TR321B	172

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8574 51 82**	1
polar white glossy	**8574 51 89**	1
polar white matt	**8574 51 88**	1
anthracite matt	**8574 51 85**	1
aluminium, matt, lacquered	**8574 51 83**	1

Design	Order no.	PU
Berker Q.1/Q.3		
white velvety	**8574 51 22**	1
polar white velvety	**8574 51 29**	1
anthracite velvety, lacquered	**8574 51 26**	1
aluminium velvety, lacquered	**8574 51 24**	1

Design	Order no.	PU
Berker K.1/K.5		
polar white glossy	**8574 51 79**	1
anthracite matt, lacquered	**8574 51 75**	1
aluminium, matt, lacquered	**8574 51 77**	1
stainless steel matt, lacquered	**8574 51 73**	1
Berker R.1/R.3		
polar white glossy	**8574 51 39**	1
black glossy	**8574 51 31**	1

Transmitters

Hand-held transmitter

quicklink

KNX wireless hand-held 2-channel transmitter

- Labelling field

Operating voltage	6 V=
Battery service life [years]	≈ 5
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	2
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-10 ... +45 °C
Dimensions (L x W x H)	83 x 46.5 x 15.8 mm

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with configuration button
- with side locking buttons
- with 2 x lithium coin cell battery 3 V type: CR 2430
- with keyring

For wireless remote control of all assigned KNX wireless receivers.

Design	Order no.	PU
polar white/grey, glossy/matt	**TU402**	1

quicklink

KNX wireless hand-held 4-channel transmitter

- Labelling field

Operating voltage	6 V=
Battery service life [years]	≈ 5
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	4
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-10 ... +45 °C
Dimensions (L x W x H)	83 x 46.5 x 15.8 mm

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with configuration button
- with side locking buttons
- with 2 x lithium coin cell battery 3 V type: CR 2430
- with keyring

For wireless remote control of all assigned KNX wireless receivers.

Design	Order no.	PU
polar white/grey, glossy/matt	**TU404**	1

KNX wireless hand-held 6-channel transmitter

- Labelling field

Operating voltage	6 V=
Battery service life	≈ 5 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	6
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	+0 ... +45 °C
Dimensions (L x W x H)	133.6 x 50.2 x 16 mm

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with 2 x lithium coin cell battery 3 V type: CR 2430

For wireless remote control of all assigned KNX wireless receivers.

Design	Order no.	PU
polar white velvety	**TU406**	1

KNX wireless hand-held 18-channel transmitter

- Labelling field

Operating voltage	6 V=
Battery service life	≈ 5 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	18
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	+0 ... +45 °C
Dimensions (L x W x H)	133.6 x 50.2 x 16 mm

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with 2 x lithium coin cell battery 3 V type: CR 2430
- with channel group slide switch
- with movement and actuation-dependent labelling field illumination

For wireless remote control of all assigned KNX wireless receivers.

Design	Order no.	PU
white/dark blue	**TU418**	1

Wall-transmitters

KNX wireless wall-transmitter 1-gang flat quicklink

Operating voltage	3 V=
Battery service life	≈ 5 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-5 ... +45 °C
Assembling height	14 mm

For wireless remote control of all assigned KNX wireless receivers.

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with configuration button
- operating areas configurable as one or two-area operation
- with anti-dismantling protection
- with lithium coin cell battery 3 V type: CR 2430
- top and bottom operating area are freely configurable
- toolless quicklink configuration using buttons and LED display
- for flat surface mounting and extension of combinations

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8565 52 82**	1
polar white glossy	**8565 52 89**	1
polar white matt	**8565 52 88**	1
anthracite matt	**8565 52 85**	1
aluminium, matt, lacquered	**8565 52 83**	1
Berker Q.1/Q.3		
white velvety	**8565 52 22**	1
polar white velvety	**8565 52 29**	1
anthracite velvety, lacquered	**8565 52 26**	1
aluminium velvety, lacquered	**8565 52 24**	1
Berker K.1/K.5		
polar white glossy	**8565 52 79**	1
anthracite matt, lacquered	**8565 52 75**	1
aluminium, matt, lacquered	**8565 52 77**	1
stainless steel matt, lacquered	**8565 52 73**	1
Berker R.1/R.3		
polar white glossy [1)]	**8565 52 39**	1
black glossy [1)]	**8565 52 31**	1

[1)] no dismantling protection possible

quicklink

KNX wireless wall-transmitter 2-gang flat quicklink

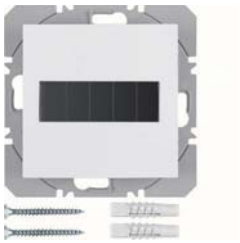
Operating voltage	3 V=
Battery service life	≈ 5 years
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	4
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-5 ... +45 °C
Assembling height	14 mm

For wireless remote control of all assigned KNX wireless receivers.

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with configuration button
- operating areas configurable as one or two-area operation
- with anti-dismantling protection
- with lithium coin cell battery 3 V type: CR 2430
- top and bottom operating areas are freely configurable
- toolless quicklink configuration using buttons and LED display
- for flat surface mounting and extension of combinations

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8565 62 82**	1
polar white glossy	**8565 62 89**	1
polar white matt	**8565 62 88**	1
anthracite matt	**8565 62 85**	1
aluminium, matt, lacquered	**8565 62 83**	1
Berker Q.1/Q.3		
white velvety	**8565 62 22**	1
polar white velvety	**8565 62 29**	1
anthracite velvety, lacquered	**8565 62 26**	1
aluminium velvety, lacquered	**8565 62 24**	1
Berker K.1/K.5		
polar white glossy	**8565 62 79**	1
anthracite matt, lacquered	**8565 62 75**	1
aluminium, matt, lacquered	**8565 62 77**	1
stainless steel matt, lacquered	**8565 62 73**	1
Berker R.1/R.3		
polar white glossy [1)]	**8565 62 39**	1
black glossy [1)]	**8565 62 31**	1

[1)] no dismantling protection possible



KNX wireless wall-transmitter 1-gang flat solar quicklink

Operating voltage	3 V=
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Required Ø brightness	at least 300 lx 6 h/day
Operating temperature	-5 ... +45 °C
Assembling height	14 mm

For wireless remote control of all assigned KNX wireless receivers.

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with configuration button
- operating areas configurable as one or two-area operation
- power supply via solar cells
- with anti-dismantling protection
- top and bottom operating area are freely configurable
- toolless quicklink configuration using buttons and LED display
- for flat surface mounting and extension of combinations

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8565 51 82**	1
polar white glossy	**8565 51 89**	1
polar white matt	**8565 51 88**	1
anthracite matt	**8565 51 85**	1
aluminium, matt, lacquered	**8565 51 83**	1
Berker R.1/R.3		
polar white glossy [1]	**8565 51 39**	1
black glossy [1]	**8565 51 31**	1

[1] no dismantling protection possible

KNX wireless wall-transmitter 2-gang flat solar quicklink

Operating voltage	3 V=
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	4
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Required Ø brightness	at least 300 lx 6 h/day
Operating temperature	-5 ... +45 °C
Assembling height	14 mm

For wireless remote control of all assigned KNX wireless receivers.

- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, push-button, status display, dimming value
- with configuration LED
- with transmission status and battery status LED, red/green/orange
- with configuration button
- operating areas configurable as one or two-area operation
- power supply via solar cells
- with anti-dismantling protection
- top and bottom operating areas are freely configurable
- toolless quicklink configuration using buttons and LED display
- for flat surface mounting and extension of combinations

Design	Order no.	PU
Berker S.1/B.3/B.7		
white glossy	**8565 61 82**	1
polar white glossy	**8565 61 89**	1
polar white matt	**8565 61 88**	1
anthracite matt	**8565 61 85**	1
aluminium, matt, lacquered	**8565 61 83**	1

Berker R.1/R.3

polar white glossy	**8565 61 39**	1
black glossy	**8565 61 31**	1

Binary inputs

KNX wireless binary input 2-gang flush-mounted 230 V

Operating voltage	230 V~
Frequency	50/60 Hz
Wireless transmission frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Pulse time	min. 50 ms
Operating temperature	-5 ... +45 °C
Conductor cross-section	0.75 mm² ... 2.5 mm²
Binary cable length, extendable to	max. 10 m
Dimensions (Ø x H)	53 x 27 mm

- low intrinsic energy requirement
- reset function (to factory setting)
- quicklink functions: switching, dimming, blind, 2 scenes, time switching, NO contact push-button, memory, forced control, up/down push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, 1 up/down button control, push-button, 2 x alarm, status display
- with configuration LED
- with configuration button
- toolless quicklink configuration using buttons and LED display
- with 2 independent, mains supplied, binary inputs for potential-free contacts
- activation, for example, through switch, push-button, wind sensor, precipitation sensor, time switch
- confectioned, with 4-core cable
- for installation behind flush-mounted inserts
- with screw-in lift terminals

Suitable for	**Order no.**	**Page**
Berker TS Crystal		95
Glass sensors		88
Optional		
Push-button, NO contact	1811 1.	94

Design	Order no.	PU
light grey	**TRB302B**	1

Switch actuators

IP55

KNX wireless switch actuator 1-gang surface-mounted

Operating voltage	230 V~
Frequency	50/60 Hz
230 V incandescent lamps and halogen lamps	1500 W
Fluorescent lamps:	
- uncompensated	600 VA
- with electronical ballast (EB)	6 x 58 W
Compact fluorescent lamps	6 x 18 W
Conventional transformers	600 VA
Electronic transformers	600 W
Wireless reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of quicklink links	max. 20 transmitter/receiver
Operating temperature	-10 ... +55 °C
Dimensions (L x W x H)	150 x 85 x 35 mm

- low intrinsic energy requirement
- repeat function can be activated to increase the wireless range
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, status display
- with control LED for On/Off
- with manual operation on/off
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display
- with screw-in lift terminals

Design	Order no.	PU
white	**TRE201**	1

IP55

KNX wireless switch actuator 2-gang surface-mounted

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current	2x 10 A/230 V AC1 A
230 V incandescent lamps and halogen lamps	per channel 1500 W
Fluorescent lamps:	
- uncompensated	per channel 600 VA
- with electronical ballast (EB)	per channel 6 x 58 W
Compact fluorescent lamps	18 W
Conventional transformers	600 VA
Electronic transformers	per channel 600 W
Wireless reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of quicklink links	max. 20 transmitter/receiver
Operating temperature	-10 ... +55 °C
Dimensions (L x W x H)	150 x 85 x 35 mm

- low intrinsic energy requirement
- repeat function can be activated to increase the wireless range
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, status display
- with control LED for On/Off
- with manual operation on/off per channel
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display
- with screw-in lift terminals

Design	Order no.	PU
white	**TRE202**	1

KNX wireless switch actuator for plugs

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current	16 A
230 V incandescent lamps and halogen lamps	2300 W
Conventional transformers	1600 VA
Electronic transformers and dual-mode transformers	1200 W
Wireless reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	+0 ... +45 °C
Dimensions (W x H x D)	98 x 54 x 77 mm
Assembling height	41 mm

- low intrinsic energy requirement
- repeat function can be activated to increase the wireless range
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, forced control, status display
- with configuration and function LEDs
- with control LED for On/Off
- with configuration and function button
- with manual operation on/off
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display

For remote-controlled switching of electrical loads.

Design	Order no.	PU
polar white matt, German standard	**TRC270D**	1
polar white matt, French standard	**TRC270F**	1

KNX wireless switch actuator 1gang/binary input 1gang surface-mounted

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current	10 A / 230 V AC1
230 V incandescent lamps and halogen lamps	1500 W
Fluorescent lamps:	
- uncompensated	600 VA
- with electronical ballast (EB)	6 x 58 W
Compact fluorescent lamps	6 x 18 W
Conventional transformers	600 VA
Electronic transformers	600 W
Wireless transmission/ reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	-10 ... +55 °C
Dimensions (L x W x H)	150 x 85 x 35 mm

- low intrinsic energy requirement
- repeat function can be activated to increase the wireless range
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, 1 up/down button control, push-button, 2 x alarm, status display
- with configuration and function LEDs
- with transmission status and control LED for On/Off
- with configuration and function button
- with manual operation on/off
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display
- with independent, mains supplied, binary input for potential-free contact
- activation, for example through switch, push-buttons, timer
- with screw-in lift terminals

IP55

Design	Order no.	PU
white	**TRE400**	1

quicklink

KNX wireless switch actuator 1gang output flush-mounted

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current	
230 V incandescent lamps and halogen lamps	2300 W
Fluorescent lamps:	
- parallel compensated	250 W
Conventional transformers	800 VA
Electronic transformers	1500 W
Wireless transmission/reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	+0 ... +45 °C
Binary cable length	≈ 20 cm
Binary cable length, extendable to	max. 5 m
Dimensions, sensor (Ø x H)	53 x 30 mm
IP	20

- low intrinsic energy requirement
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, 1 up/down button control, push-button, 2 x alarm, status display
- ETS additional function: repeater function
- with configuration and function LEDs
- with transmission status and control LED for On/Off
- with configuration and function button
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display
- with independent, mains supplied, binary input for potential-free contact
- activation, for example through switch, push-buttons, timer
- confectioned, with 2-core cable
- for installation behind flush-mounted inserts
- with screw-in lift terminals

Design	Order no.	PU
white	**TRB201**	1

quicklink

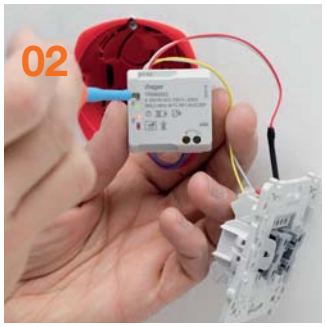
KNX wireless switch actuator 1gang/binary input 1gang flush-mounted

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current	
230 V incandescent lamps and halogen lamps	1500 W
Fluorescent lamps:	
- parallel compensated	11x 36 W /47 µF
Conventional transformers	800 VA
Electronic transformers	600 W
Wireless transmission/ reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of wireless channels	1
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission power	< 10 mW
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Operating temperature	+0 ... +45 °C
Binary cable length	≈ 20 cm
Binary cable length, extendable to	max. 5 m
Dimensions, sensor (Ø x H)	53 x 30 mm
IP	30

- low intrinsic energy requirement
- reset function (to factory setting)
- quicklink functions: switching, 2 scenes, time switching, NO contact push-button, forced control
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode on/off, 1 up/down button control, push-button, 2 x alarm, status display
- ETS additional function: repeater function
- with configuration and function LEDs
- with transmission status and control LED for On/Off
- with configuration and function button
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display
- with independent, mains supplied, binary input for potential-free contact
- activation, for example through switch, push-buttons, timer
- confectioned, with 2-core cable
- for installation behind flush-mounted inserts
- with screw-in lift terminals

Design	Order no.	PU
white	**TRB501**	1

01 Once the switch is connected to the emitter, start the configuration by pressing cfg button and then the button on the switch.



02 Select the function on the output (1 function = 1 color pattern). Validate by a long press > 2s until the LED blinks.

03 Exit configuration mode by a short press on cfg button on the emitter.

1 color pattern = 1 function

LED colour	On/Off Receivers		Dimmers		Shutters/Blinds	
	Function		Function		Function	
	on off	On/Off (Toggle Switch)		On/Off Dimming +/-		Up/Stop (TRM692G only)
	on	ON	+	ON (Dimming +)		Up, Stop
	off	OFF	−	OFF (Dimming -)		Down, Stop
	1	Scenario 1	1	Scenario 1	1	Scenario 1
	2	Scenario 2	2	Scenario 2	2	Scenario 2
		Timer		Timer		Down, Stop
		On/Off (Switch)		On/Off (Switch)		Shutter Control (Switch)
	on	Priority ON *				Priority UP
	off	Priority OFF *				Priority DOWN
		Clear		Clear		Clear

*functions only available on TRMxxx

Micromodules

Wireless transmitter 2 inputs with battery

Supply voltage	3 V CR 2430
Transmission frequency	868.3 MHz
Dimensions	41 x 39.5 x 11 mm
Degree of protection	IP 30
Max. connection distance per input	< 10 m
Minimum contacts closing time	50 ms
Operating temperature	-10 °C to + 50 °C
Storage temperature	-20°C to +70°C

- 2 independent input channels.
- supply by battery.

The specific functions of this product are defined in its configuration and set-up.

The flush-mounting input module TRM702A is a quicklink wireless transmitter. Powered by battery, it can be used to interface 2 floating contacts (switches, automatic-control contacts or intrusion alarm panel contacts) which can thus be rendered communicating. quicklink wireless products can be configured together and operated within the same wireless installation.

Design	Order no.	PU
light grey	**TRM702A**	1

Wireless transmitter/receiver 2 inputs + 1 output 200W

Supply voltage	230 V~ +10 %-15% 50/60 Hz 240 V~ +6%/-6% 50/60 Hz
Product consumption	100mW
Transmission frequency	868.3 MHz
Dimensions	40 x 40 x 18 mm
Degree of protection	IP 20
Max. connection distance per input	< 10 m
Minimum contacts closing time	50 ms
Operating temperature	-15 °C to + 45 °C
Storage temperature	-25°C to +70°C

- 2 inputs for connection of pushbuttons, switches or other automatic control contacts.
- one output to connect an electric load in ON/OFF mode.

TRM690G is a power supplied wireless transmitter/ receiver 2-wire, supplied in series with the 230 V load. It is used to control incandescent, LV and ULV halogen, and dimmable LED lights.

Design	Order no.	PU
light grey	**TRM690G**	1

Wireless transmitter/receiver 2 inputs + 1 dimmer 200W

Supply voltage	230 V~ +10 %-15% 50/60 Hz 240 V~ +6%/-6% 50/60 Hz
Product consumption	100mW
Transmission frequency	868.3 MHz
Dimensions	40 x 40 x 18 mm
Degree of protection	IP 20
Max. connection distance per input	< 10 m
Minimum contacts closing time	50 ms
Operating temperature	-15 °C to + 45 °C
Storage temperature	-20°C to +70°C

- 2 inputs for connection of pushbuttons, switches or other automatic control contacts.
- a dimming output (max. 200W).

The TRM691E is a wireless transmitter/receiver, powered in series with the load. It is used for dimming incandescent, LV and ULV halogen, and dimmable LED loads.

Design	Order no.	PU
light grey	**TRM691E**	1

Wireless transmitter/receiver 2 inputs + 1 output 3A

Supply voltage	230 V~ +10 %-15% 50/60 Hz 240 V~ +6%/-6% 50/60 Hz
Product consumption	150mW
Typical dissipation under load	450mW
Maximum switching rate at full load	15 switching cycles/minute
Transmission frequency	868.3 MHz
Dimensions	40 x 40 x 20 mm
Electrical characteristics of the inputs	12 V 1 mA
Surge voltage	4KV
Degree of protection	IP 20
Max. connection distance per input	< 10 m
Minimum contacts closing time	50 ms
Operating temperature	-10 °C to + 50 °C
Storage temperature	-25°C to +70°C

- 2 inputs for connection of pushbuttons, switches or other automatic control contacts.
- an output with relay, capable of ON-OFF switching of an electrical load

The TRM693G is a wireless transmitter/receiver, powered by the mains.
It is particularly suitable for ON/OFF control of lighting circuits at 230 V.

Design	Order no.	PU
light grey	**TRM693G**	1

Wireless transmitter/receiver
2 inputs + 1 shutters/blinds output 3A

Supply voltage	230 V~ +10 %-15% 50/60 Hz 240 V~ +6%/-6% 50/60 Hz
Product consumption	150mW
Typical dissipation under load	450mW
Time delay between 2 movements in opposite directions	600ms
Maximum switching rate at full load	15 switching cycles/minute
Transmission frequency	868.3 MHz
Dimensions	40 x 40 x 20 mm
Electrical characteristics of the inputs	12 V 1 mA
Surge voltage	4KV
Degree of protection	IP 20
Max. connection distance per input	< 10 m
Minimum contacts closing time	50 ms
Operating temperature	-10 °C to + 50 °C
Storage temperature	-25°C to +70°C

- 2 inputs for connection of switches or pushbuttons.
- an output to control a motor for shutters, awnings or Venetian blinds.

The TRM692G is a wireless transmitter/receiver, powered by the mains.

Design	Order no.	PU
light grey	**TRM692G**	1

Wireless transmitter/receiver
2 inputs + 1 output 4A

Supply voltage	230 V~ +10 %-15% 50/60 Hz 240 V~ +6%/-6% 50/60 Hz
Product consumption	150mW
Typical dissipation under load	150mW
Maximum switching rate at full load	20 switching cycles/minute
Transmission frequency	868.3 MHz
Dimensions	40 x 40 x 20 mm
Electrical characteristics of the inputs	12 V 1 mA
Surge voltage	4KV
Degree of protection	IP 20
Max. connection distance per input	< 10 m
Operating temperature	-10 °C to + 50 °C
Storage temperature	-25°C to +70°C

- 2 inputs for connection of pushbuttons, switches or other automatic control contacts, a fl oating contact output for ON-OFF control of electrical loads.

The TRM694G is a wireless transmitter/receiver, powered by the mains.

Design	Order no.	PU
light grey	**TRM694G**	1

Control for latching relay and timer

Supply voltage	230 V AC
Max. current consumption	500mW
Total power loss under In	150mW
Transmission frequency	868.3 MHz
Dimensions	40 x 40 x 18 mm
Rated current	0.5A
Degree of protection	IP 20
Operating temperature	-15 °C to + 45 °C
Storage temperature	-25°C to +70°C

The function of TRM600 is to add a wireless control on an existing toggle or timer circuit. The product is located in the wall box behind a conventional push button which controls the existing 230V toggle or timer circuits. It acts as a wireless, receiver and delivers a 200ms pulse contact after receiving a wireless control.

Design	Order no.	PU
light grey	**TRM600**	1

Wireless blind actuator

quicklink

KNX wireless blind actuator 1gang surface-mounted

Operating voltage	230 V~
Frequency	50/60 Hz
Switching current	10 A / 230 V AC1
Wireless reception frequency	868.3 MHz
Wireless protocol	KNX Wireless
Transmitter duty cycle	1 %
Receiver category	2
Number of quicklink links	max. 20 transmitter/receiver
Wireless transmission range (free field)	max. 100 m
Wireless transmission range (building)	max. 30 m
Lamella adjustment on signal duration	< 1 s
Change-over time for change of direction	< 0.6 s
Operating temperature	-10 ... +55 °C
Dimensions (L x W x H)	150 x 85 x 35 mm
IP	55

- low intrinsic energy requirement
- repeat function can be activated to increase the wireless range
- reset function (to factory setting)
- quicklink functions: blind, 2 scenes, forced control, up/down push-button
- integration in the KNX wireless/TP gateway, surface-mounted, into the KNX TP system
- ETS additional functions: +6 scenes, operating mode, status display, 2 x alarm
- with configuration and function LEDs
- with control LED (relay closed)
- with configuration and function button
- with manual operation up/down
- scene opening via KNX wireless appliances
- scene saving lockable
- toolless quicklink configuration using buttons and LED display
- with 2 mechanically and electrically mutually-locked relay contacts
- with screw-in lift terminals

Design	Order no.	PU
white	**TRE221**	1

Power supply for KNX wireless application modules

Power supply for KNX wireless application module

Operating voltage	230 V~
Frequency	50/60 Hz
Power consumption (standby)	< 0.1 W
Operating temperature	-5 ... +45 °C
Screw terminals	max. 1 x 4/2 x 2,5 mm²
Insertion depth	22 mm
Housing installation depth	32 mm (claw guide)

Comprehensive transmission and reception functions, in conjunction with a KNX wireless application module.

- low intrinsic energy requirement
- as supply for wireless application modules
- no conductive connection between supporting ring and spreading claws
- with screw terminals

Suitable for	Order no.	Page
KNX wireless buttons for switches/dimmers		161
KNX wireless motion detector application modules		168
KNX wireless blind covers		173
KNX wireless timer quicklink	8574 52 ..	165

Design	Order no.	PU
Mains insert for KNX wireless application module	**8502 01 00**	1

Unidirectional wireless input concentrator

Unidirectional wireless input concentrator

Supply voltage	30V DC
Transmission frequency	868.3 MHz
Dimensions	203 x 77 x 26,5 mm
Degree of protection	IP 30
Operating temperature	0 °C to + 45 °C
Storage temperature	-20°C to +70°C

- 24 channels available in the TX100 configuration.
- 32 channels available in the ETS configuration.
- maximum concentration of 24 wireless inputs per channel.
- view of status by 2x8 segment display.
- possibility to restore the factory settings for the product.
- possibility of deleting links created from the product.

The TR351 concentrators increase the number of unidirectional wireless products in a combined system (wireless/wire-based) by grouping together the inputs that perform the same function.

The precise functions of these products depend on the configuration and settings.

Design	Order no.	PU
white	**TR351A**	1

Media coupler

Supply voltage	30V DC (TBTS, SELV, ZLVS)
Transmission frequency	868.3 MHz
Dimensions	203 x 77 x 26,5 mm
Degree of protection	IP 30
Operating temperature	0 °C to + 45 °C
Storage temperature	-20°C to +70°C

- wire products and wireless products interface via bus KNX.
- Bus and wireless telegram visualization by LEDs and 2x8 segment display.

Couplers TR131 provide interface of tebis range wire products and wireless products. They are part of tebis installation system.

Design	Order no.	PU
white	**TR131B**	1

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