

40 jahre  
**sks**

sks



## Innovative building communication in its most beautiful form



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Topics like smart home or IP networked buildings become more and more important. The comfort related to that and an increased feeling of security make buildings a home. What is still an exception nowadays will soon be normal in building communication both for housing societies and residents.

We keep up with the times, continue refining our products for you and thus set new standards.

We want to invite you to explore the new SKS IP world, that provides your projects in residential and functional building with nearly unlimited possibilities. We would like to accompany your planning and conducting – also for major projects with a high number of users and long wiring ways we offer focused solutions to meet your requirements. Together we will realize your customers' wishes.

As an internationally operating company we manage to do so

for more than 40 years, with a live and innovative mind and enduring values.

The intensive exchange with you is important for us, as only that way we can successfully realize your project. Personal engagement, excellent service and individual guidance are a matter of course and, in combination with modern technology and excellent design, lead to an exceptional result that inspires your customers.

Let us look forward to an exciting future together.

Sincerely, the Kinkel family

# Your advantages using an SKS system

Benefit from over 40 years of competence in door communication – optimal customer care is a matter of course for us.

1, 2, ✓

We accompany your project from planning to initial setup



Your personal SKS consultant will assist you at all project stages



Products have received multiple design awards



Solutions for a wide variety of buildings and situations



Individuality and high flexibility in the field of door stations



Considerable choice of materials



Short delivery times even for customized units



Best value for your money



Pre-wired door stations (considerable reduction of installation costs)



Secure BUS programming with DIP switches, one-man programming



Project-specific control cabinets



Certified according to ISO 9001:2015



## Knowledge creates quality

In addition to the technical support SKS provide trainings at the company's training centre or at your location, which are individually targeted to the actual needs of the participants.

Please find more information under:

[www.sks-kinkel.de/training](http://www.sks-kinkel.de/training)

Make an appointment now!



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**NEW**

SKS VICO video indoor station (hands-free)



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## NEW SKS VICO — Flawless elegance in glass

The new SKS video indoor station VICO hands-free is characterized by a high-quality real glass surface and, with its puristic design, forms a stylish detail that enriches every living environment. It excels with its elegant, flat surface-mounted housing, which protrudes only 17 mm over the wall and is easy and intuitive to use for every age group.

Image memory optional

High-resolution  
12,7 cm (5")  
touch display +

High-quality real  
glass surface +

Keys are only visible  
when activated or  
during door call +



+ Protrudes just 17 mm  
over the wall

+ Intuitive  
operation



The VICO is equipped with a big high resolution 5" color touch display that is activated when a door call comes in and shows a high resolution video image from the door station. Additionally to that the door call is signalled by lighting up the three keys accepting a call, muting and door opener and by playing the ringtone. Excellent and clear transmission of speech as well as the privacy function during an active door call go without saying.

All other functions, such as settings of ringtones, ringtone volume, color, contrast and brightness are made in the intuitive and clearly structured menu. Here the resident can choose German or English as the menu language.

The optional image storage function of the VICO improves the residents' feeling of security. Are the technical functions available, a camera image of the visitor is stored for every incoming door call. By checking the image memory the user hence can keep control of who has called in during his absence.



135 x 135 x 17 mm  
All dimensions: width x height x depth



Available colors:  
white and black

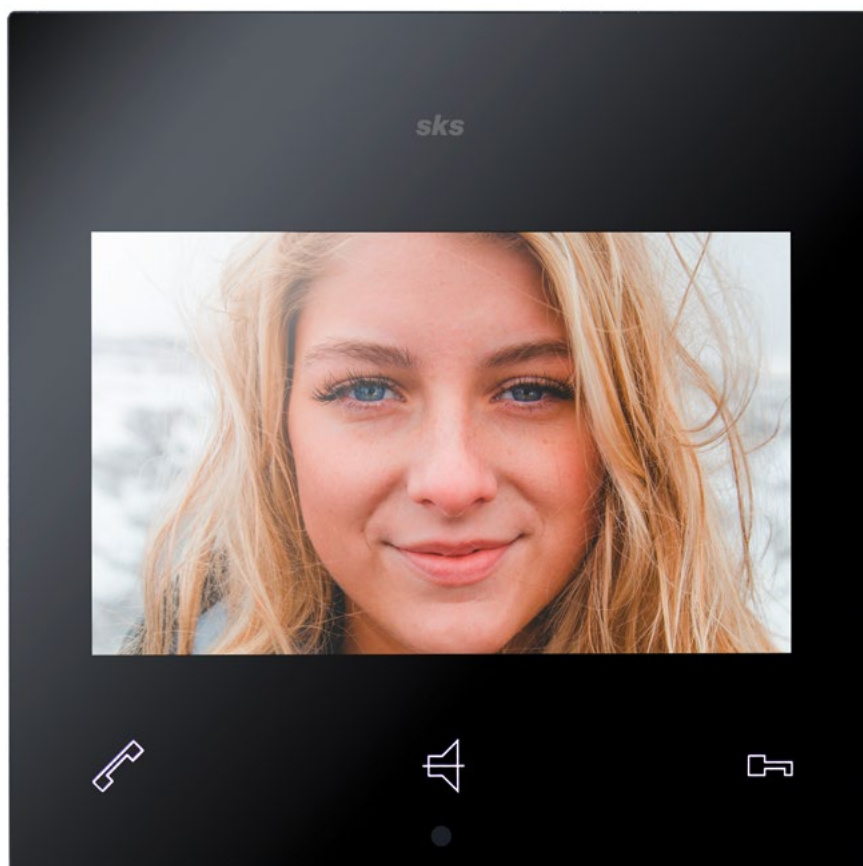
## Features

- SKS BUS technology
- Real glass surface
- Capacitive tactile sensor for accepting calls, opening doors and muting (ringtone is automatically reactivated after the chosen time span, after a maximum of 24 hours)
- Further settings like changing the ringtone volume or ringtone melody, colour, contrast and brightness settings are done via the 5" touch display
- Optical signalling of calls by the sensor keys
- Automatic door opener function
- One-man installation and programming
- Optionally parallel operation of up to 3 indoor stations
- Key functions in the menu are password protected, so they can not be changed unintentionally
- „Vanishing print“: Keys appear automatically when a door call comes in or the display is touched
- All in all 12 ringtone melodies for door, floor and internal calls
- Ringtone volume adjustable
- Menu language in German or English
- Hands-free operation
- Audio and video privacy function
- Internal call function
- Optional image memory function (Usage is only possible in connection with item 300102)
- Surface-mounting (Installation on FM- or inwall box necessary)

Item no.	Description	Color
100074	VICO video, hands-free, 6-wire, real glass surface	white
100075	VICO video, hands-free, 6-wire, real glass surface	black

## VICO — Flawless elegance in real glass

The three keys of the VICO are designed in a vanishing print, so that they can only be seen in the innovative glass surface when they are actually needed, i. e. when the user activates the indoor station by touching it or if a door call comes in. Therefore it is possible to create a minimalistic and clear structure that impresses.



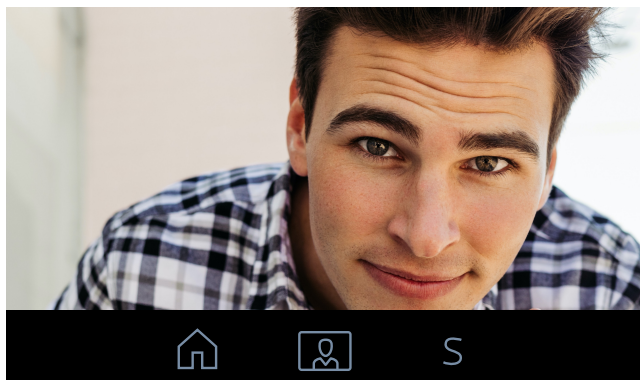
The VICO has an automatic door opener. If this is activated the door is opened automatically by pushing the respective door bell at the door station. The door opener key flashes to indicate this state for the resident.

The most important settings in the menu, such as connecting the VICO indoor station to a certain door call address or internal call address, are password protected, so that they cannot be changed unintentionally by the user. It goes without saying that all other functions, i. e. setting brightness, volume etc. are available to the user without any restrictions.

All in all the new VICO by SKS excels in all areas – proven SKS BUS technology in combination with an outstanding puristic design and excellent functionality speak for themselves.

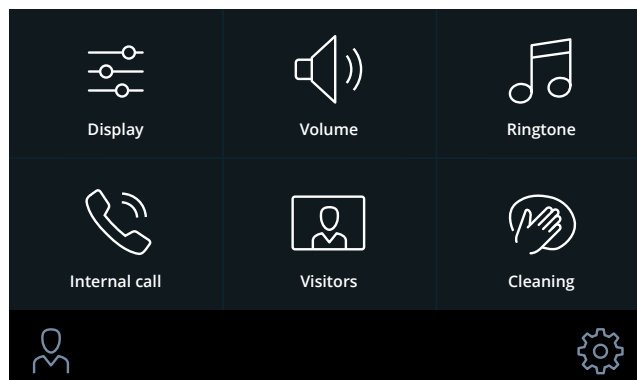


# VICO — Functional overview



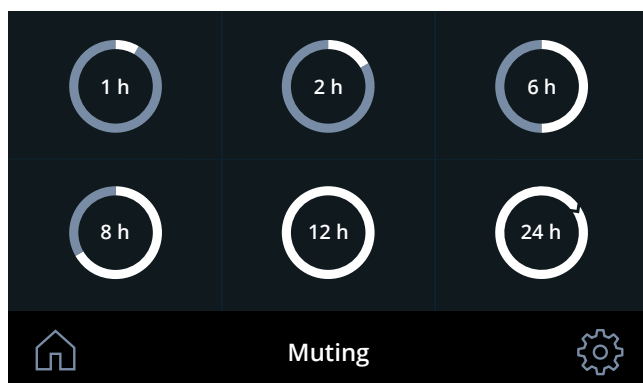
## Call menu

When a door or floor call comes in the camera image is automatically displayed. When touching the display the call menu is opened. Using this you can change into the main menu, activate special functions like opening a floor door or calling the concierge (only with additional switching actuator or BUS actuator module) or – if installed – turning on the image memory function.



## Main menu

All other functions and settings are done via the main menu, as e. g. brightness, contrast, internal call addresses, volume of ringtone and speech and many more.



## Muting

Muting is done intuitively via the clearly structured menu. The duration of the muting can be chosen by the resident. After that chosen time span (at the latest after 24 hours) the ringtone is automatically switched back on.



## Image storage

The optional image storage function of the VICO (usage is only possible in connection with item 300102) improves the residents' feeling of security. Are the technical functions available, a camera image of the visitor is stored for every incoming door call. Thus the user can keep control of who has called in during his absence.

## BSV2012 Video

With the elegant BSV2012 Video SKS complete their product line with a high-quality basic model in the video segment, convincing in a wide variety of projects and situations.



The BSV2012 video is designed to be operated by any age group. Below the display there are three big capacitive concave buttons for the main functions to answer a call, open the door and muting.

Further functions such as selecting the ringtone melody, setting the volume as well as the contrast and brightness are carried out easily using the menu in the touch screen.

Please take also a look at our SMARTLine System under [www.sks-kinkel.de/en/smartline](http://www.sks-kinkel.de/en/smartline)



90 x 180 x 17 mm  
All dimensions: width x height x depth



Available color:  
white

## Features

- SKS BUS technology
- Touch key functions: accept calls, open the door, muting ringtone (automatically reactivated after 12 hours)
- Additional functions via touch display: switching functions possible (via switching actuator 300022 or BUS actuator module 300095, without additional wires), setting of ringtone volume, ringtone melodies, color, contrast and brightness
- 8,9 cm (3,5“) TFT color display
- Automatic activation of the TFT display when a door call comes in
- Optical call signalisation via LEDs
- Audio and video privacy function
- One-man installation and programming
- Optionally parallel operation of up to 3 indoor stations
- Polyphone ringtones to choose from (differentiating between door and floor calls)
- 8 door call and 4 floor call ringtones
- Ringtone volume adjustable in 5 steps
- Menu language German or English
- Hands-free operation
- Enforcement function if loud ambient noise occurs during call
- Internal call function with up to 6 devices
- Surface-mounting

Item no.	Description	Color
100069	BSV2012, video, hands-free, 6-wire	white

## HTV4600 — a clear line

The HTV4600 convinces with a lean appearance and a noble surface. The HTV4600 reduces the operating elements to the essential. The user is not subjected to unnecessary functions and can operate the indoor station intuitively.

8,9 cm (3,5")  
TFT color display +

Optional with plastic-  
or glass surface +

Ergonomic receiver held  
by magnet +

+ Optical call signalisation  
with LEDs

+ Optional with 11 keys for  
internal call function



Also available in black





90 x 255 x 42 mm/receiver  
All dimensions: width x height x depth



Available colors:  
white and black

## Features

- SKS BUS technology
- Key functions: Opening door, adjusting volume of calls and ringtones, muting (ringtone is reactivated automatically after 12 hours), adjusting color, contrast and brightness
- Switching functions possible (without additional wires, via switching actor 300022 or BUS actuator module 300095)
- Automatic activation of TFT color display when door call comes in
- Optical call signalling by LED
- Receiver is held by a magnet (allows for an optimal operability at any age)
- Audio and video privacy function
- One-man installation and programming
- Parallel operation of up to 3 indoor stations optional
- 8 door call- and 4 floor call ringtones
- Ringtone volume can be adjusted in 5 steps
- Optional 5 additional keys for internal communication
- Surface-mounting

### With glass cover

Item no.	Description	Color
100039	HTV4600 (6 keys), 6-wire	white

### With plastic cover

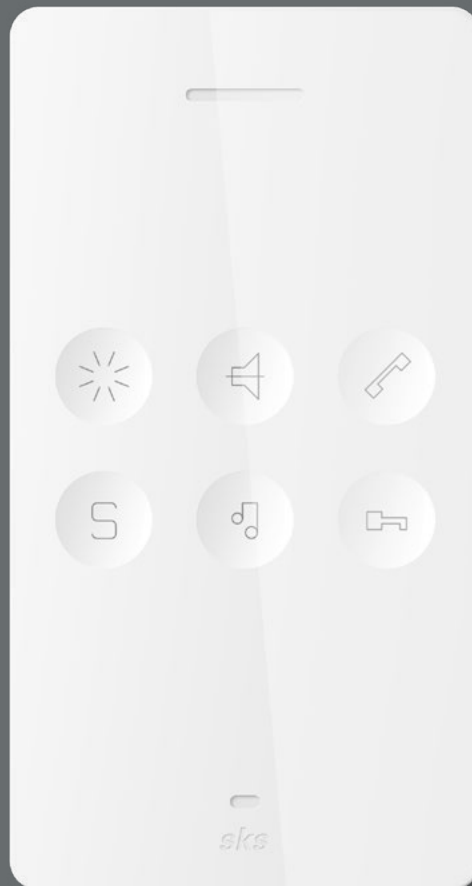
Item no.	Description	Color
100041	HTV4600 (6 keys), 6-wire	white
100040	HTV4600 (6 keys), 6-wire	black
100033	HTV4600 (11 keys), 6-wire	white

## BS2012 Audio

The BS2012 is the innovation of the SKS basic audio free-hands indoor stations. Six concave touch keys make orientation and operation easy at any age.

Elegant and  
timeless design +

Harmonic  
ringtones +



+ Protrudes just 13 mm  
over the wall

+ Optimal operation  
for any age group

As all SKS indoor stations the BS2012 Audio hands-free presents itself in a well-balanced design with emphasis on key functions only.

Long life and simple cleaning are guaranteed by our conscious decision to omit mechanically movable elements.

With a depth of just 13 mm the indoor station protrudes just minimally and offers proven SKS technology in a minimum

space. Harmonic ringtones add to your well-being.

Reduced to the basics with an optimal touch the indoor station BS2012 hands-free is an ideal product without any compromise for any constructor.



80 x 150 x 13 mm  
All dimensions: width x height x depth



Available color:  
white

## Features

- SKS BUS technology
- Hands-free
- Key functions: Answering calls, opening door, adjusting volume of speech and ringtones, muting (ringtone is reactivated automatically after 12 hours), potential-free switching functions possible (via switching actor 300022 or BUS actuator module 300095, without additional wires)
- Optical signalling of calls by LED
- Audio privacy function
- One-man installation and programming
- Parallel operation of up to 4 indoor stations optional
- 8 door call- and 4 floor call ringtones
- Ringtone volume can be adjusted in 5 steps
- Speech volume can be adjusted in 3 steps
- Operation via 6 concave touch keys (allows for an optimal operability at any age)
- Audio and video indoor stations can be combined within one structure
- Installation on FM- or inwall box necessary
- Surface-mounting

Item no.	Description	Color
200021	BS2012 Audio, hands-free, 2-wire	white

## BSH2012 Audio

With the BSH2012 Audio which can intuitively be operated SKS sets an actual standard: Without any compromise this indoor station focuses with its design on the essential. The BSH2012 Audio sets a standard for all SKS basic models in the segment of indoor stations with receiver.

The BSH2012 covers the size of the previous indoor station **HT4500-3MS (800079)** , so that **no repair work** is necessary when exchanged.

Elegant and  
timeless design +

Harmonic ringtone  
melodies +

+ Optimal operation  
for every age group

+ Receiver is held  
by a magnet





90 x 228 x 47 mm  
All dimensions: width x height x depth



Available color:  
white

## Features

- SKS BUS technology
- Indoor station with receiver, (the ergonomic receiver is held by a magnet; accepting calls by picking up the receiver)
- Key functions: Opening door, adjusting volume of calls and ringtones, muting (ringtone is reactivated automatically after 12 hours), potential-free switching functions possible (via switching actuator 300022 or BUS actuator module 300095, without additional wires)
- Optical call signalisation with LEDs
- Audio privacy function
- One-man installation and programming
- Optional parallel operation of up to 4 indoor stations
- 8 door call and 4 floor call ringtones
- Ringtone volume can be adjusted in 5 steps
- Operation via 6 concave touch keys (allow for an optimal operability at any age)
- Audio and video indoor stations can be combined within one structure
- Surface mounting

Item no.	Description	Color
200027	BSH2012, Audio, receiver, 2-wire	white

## With automatic door opener function

Item no.	Description	Color
200029	BSH2012, Audio, receiver, 2-wire, with ADO function	white



## HT4600

The HTV4600 reduces the operating elements to the essential. The ergonomic receiver which is kept in position with the help of a magnet enables the user to operate the indoor station intuitively at any age.



Version with 10 keys  
(for internal call function)



90 x 195 x 33 mm  
All dimensions: width x height x depth



Available color:  
white

### Features

- SKS BUS technology
- Key functions: Opening door, adjusting volume of calls and ringtones, muting (ringtone is reactivated automatically after 12 hours)
- Switching functions possible (without additional wires, using switching actuator 300022 or BUS actuator module 300095)
- Optical call signalling with LEDs
- Receiver is held by a magnet (allows for an optimal operability at any age)
- Audio privacy function
- One-man installation and programming
- Parallel operation of up to 4 indoor stations optional
- 8 door call and 4 floor call ringtones
- Ringtone volume can be adjusted in 5 steps
- Optional 6 additional keys for internal call function
- Surface-mounting

#### 4 keys

Item no.	Description	Color
200009	HT4600 (4 keys), audio, 2-wire	white

#### 4 keys + 6 keys for internal call function

Item no.	Description	Color
200010	HT4600 (10 keys), audio 2-wire	white

Recommended retail price in EUROS plus VAT.

# Table kits

300099

## Table kit audio

for audio series il vetro audio,  
DS2010 audio hands-free, HT4600,  
BS2012 audio hands-free,  
HT926 and HT925 (1+n technology)

Foot: 100 x 140 x 10 mm  
Carrier plate: 80 x 248 x 5 mm

- Made of acrylic glass
- With massive foot
- Non-slip

### Scope of delivery:

- Patch cable RJ45, length 5 metres
- RJ45 FM- and SM-box, white
- Stainless steel angle with RJ45 socket
- 60 mm connection cable



300100

## Table kit video/audio

for video-series il vetro video,  
DS2010 video hands-free, DS2010 audio  
with receiver and BSH2012

Foot: 100 x 140 x 10 mm  
Carrier plate: 80 x 288 x 5 mm

- Made of acrylic glass
- With massive foot
- Non-slip

### Scope of delivery:

- Patch cable RJ45, length 5 metres
- RJ45 FM- and SM-box, white
- Stainless steel angle with RJ45 socket
- 60 mm connection cable



300101

## Table kit video receiver

for video series DS2010 video receiver  
and HTV4600

Foot: 100 x 140 x 10 mm  
Carrier plate: 80 x 288 x 5 mm

- Made of acrylic glass
- With massive foot
- Non-slip

### Scope of delivery:

- Patch cable RJ45, length 5 metres
- RJ45 FM- and SM-box, white
- Stainless steel angle with RJ45 socket
- 60 mm connection cable



300110

## Table kit video hands-free

for video series BSV2012 video hands-free and  
SMARTLine 2D BSV2012 video hands-free

Foot: 100 x 140 x 10 mm  
Carrier plate: 80 x 288 x 5 mm

- Made of acrylic glass
- With massive foot
- Non-slip

### Scope of delivery:

- Patch cable RJ45, length 5 metres
- RJ45 FM- and SM-box, white
- Stainless steel angle with RJ45 socket
- 60 mm connection cable



Item No.	Description	Color
300099	Table kit audio	acrylic
300100	Table kit video/audio	acrylic
300101	Table kit video receiver	acrylic
300110	Table kit video hands-free	acrylic

All dimensions width x height x depth.

# Set with aluminium door station (surface-mounted)

The **BS2012** sets the standards for all SKS basic models in the segment of audio hands-free. 6 concave keys simplify orientating and operating for all age groups. With only 13 mm depth the indoor station protrudes only minimally.

The **HT4600** reduces the operating elements to the essential. The ergonomic receiver which is kept in position with the help of a magnet enables the user to operate the indoor station intuitively at any age.

Outside a flat (protruding only 18 mm over the wall), well-designed door station for surface-mounting is installed, which is made from silver anodized aluminium. The door station which is protected against vandalism is characterized by its LED illumination and its 4 mm front panel.

## The set consists of:



Indoor station BS2012 hands-free, white  
For details see page 14

Indoor station HT4600, white  
For details see page 18

Elegantly designed door station  
(Material aluminium silver anodized)

## Including the following components:

Artikel Nr.	Bezeichnung
300027	Control module for up to 2 RU
300052	Control module for up to 3 RU
300011	BUS driver
300035	Transformator

## 2-wire audio set with BS2012 audio in white with door station in aluminium silver anodized for surface-mounting

No. of users	Item no.	Description	Measurements
1	500179	Set BS2012, in 1 row	152 x 202 x 18 mm
2	500180	Set BS2012, in 1 row	152 x 202 x 18 mm
3	500181	Set BS2012, in 1 row	152 x 292 x 18 mm
4	500182	Set BS2012, in 1 row	152 x 292 x 18 mm
5	500183	Set BS2012, in 1 row	152 x 292 x 18 mm
6 (2 x 3)	500184	Set BS2012, in 2 rows	152 x 292 x 18 mm
8 (2 x 4)	500185	Set BS2012, in 2 rows	152 x 292 x 18 mm
10 (2 x 5)	500186	Set BS2012, in 2 rows	152 x 292 x 18 mm
12 (2 x 6)	500187	Set BS2012, in 2 rows	152 x 336 x 18 mm

## 2-wire audio set with HT4600 audio in white with door station in aluminium silver anodized for surface-mounting

No. of users	Item no.	Description	Measurements
1	500197	Set HT4600, in 1 row	152 x 202 x 18 mm
2	500198	Set HT4600, in 1 row	152 x 202 x 18 mm
3	500199	Set HT4600, in 1 row	152 x 292 x 18 mm
4	500200	Set HT4600, in 1 row	152 x 292 x 18 mm
5	500201	Set HT4600, in 1 row	152 x 292 x 18 mm
6 (2 x 3)	500202	Set HT4600, in 2 rows	152 x 292 x 18 mm
8 (2 x 4)	500203	Set HT4600, in 2 rows	152 x 292 x 18 mm
10 (2 x 5)	500204	Set HT4600, in 2 rows	152 x 292 x 18 mm
12 (2 x 6)	500205	Set HT4600, in 2 rows	152 x 336 x 18 mm

All dimensions width x height x depth.



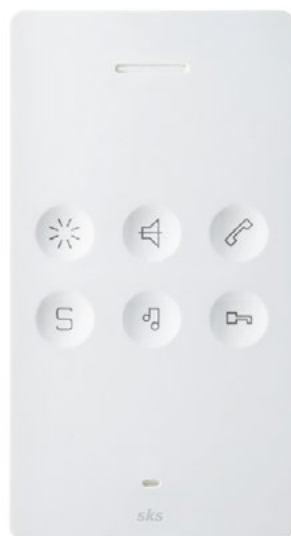
## Set with stainless steel door station (flush-mounted)

The **BS2012** sets the standards for all SKS basic models in the segment of audio hands-free. 6 concave keys simplify orientating and operating for all age groups. With only 13 mm depth the indoor station protrudes only minimally.

The **HT4600** reduces the operating elements to the essential. The ergonomic receiver which is kept in position with the help of a magnet enables the user to operate the indoor station intuitively at any age.

Outside an elegant door station with stainless steel front panel and in-wall housing for flush mounting is installed. The door station which is protected against vandalism is characterized by its LED illumination and its 4 mm front panel.

### The set consists of:



Indoor station BS2012 hands-free, white  
For details see page 14

Indoor station HT4600, white  
For details see page 18

Elegantly designed door station  
(Material stainless steel V4A brushed)

### Including the following components:

Artikel Nr.	Bezeichnung
300081	BUS door loudspeaker
300011	BUS driver
300035	Transformator

### 2-wire audio set with BS2012 audio in white with door station in stainless steel for flush-mounting

No. of users	Item no.	Description	Measurements
1	500238	Set BS2012, in 1 row	135 x 215 x 2 mm
2	500239	Set BS2012, in 1 row	135 x 240 x 2 mm
3	500240	Set BS2012, in 1 row	135 x 265 x 2 mm
4	500241	Set BS2012, in 1 row	135 x 290 x 2 mm
5	500242	Set BS2012, in 1 row	135 x 315 x 2 mm
6 (2 x 3)	500243	Set BS2012, in 2 rows	135 x 340 x 2 mm
8 (2 x 4)	500244	Set BS2012, in 2 rows	135 x 390 x 2 mm
10 (2 x 5)	500245	Set BS2012, in 2 rows	240 x 315 x 2 mm
12 (2 x 6)	500246	Set BS2012, in 2 rows	240 x 340 x 2 mm

### 2-wire audio set with HT4600 audio in white with door station in stainless steel for flush-mounting

No. of users	Item no.	Description	Measurements
1	500247	Set HT4600, in 1 row	135 x 215 x 2 mm
2	500248	Set HT4600, in 1 row	135 x 240 x 2 mm
3	500249	Set HT4600, in 1 row	135 x 265 x 2 mm
4	500250	Set HT4600, in 1 row	135 x 290 x 2 mm
5	500251	Set HT4600, in 1 row	135 x 315 x 2 mm
6 (2 x 3)	500252	Set HT4600, in 2 rows	135 x 340 x 2 mm
8 (2 x 4)	500253	Set HT4600, in 2 rows	135 x 390 x 2 mm
10 (2 x 5)	500254	Set HT4600, in 2 rows	240 x 315 x 2 mm
12 (2 x 6)	500255	Set HT4600, in 2 rows	240 x 340 x 2 mm

All dimensions width x height x depth.

300026

### Control module



Dimensions: 130 x 96 x 21 mm

Up to 48 bell buttons can be connected to the Control module. Additionally the Control module contains loudspeaker and microphone for voice communication.

For door stations with more than 48 bell buttons the Extension module 300015 is needed. Terminals T/T (potential-free relay contact) are connected to the door opener, the electrical door lock or similar. Potential-free contact max. 36 VDC, 1 A, connected spool min. 8 Ω.

- Compatible with item 800592
- Control module BUS technology for up to 48 bell buttons
- Incl. a set of screws, grid adapter and adhesive pad
- Integrated duplex controller to suppress background noises
- Working temperature: -10 °C to +65 °C
- Protection type IP20

300028

### Control module with external microphone and loudspeaker



Dimensions: 130 x 96 x 21 mm

Up to 48 bell buttons can be connected to the Control module. Microphone and loudspeaker are external and are built into existing door stations to guarantee optimal acoustics.

For door stations with more than 48 bell buttons the Extension module 300015 is needed. Terminals T/T (potential-free relay contact) are connected to the door opener, the electrical door lock or similar. Potential-free contact max. 36 VDC, 1 A, connected spool min. 8 Ω.

- Compatible with item 800593
- External microphone and loudspeaker
- Control module BUS technology for up to 48 bell buttons
- Incl. a set of screws, grid adapter and adhesive pad
- Integrated duplex controller to suppress background noises
- Working temperature: -10 °C to +65 °C
- Protection type IP20

300015

### Extension module



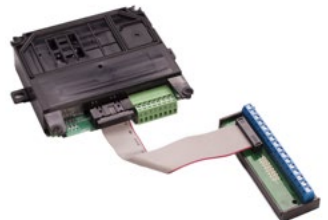
Dimensions: 130 x 96 x 21 mm

Up to another 48 bell buttons can be connected to the Extension module. An Extension module is always used in connection with a Control module. Terminals T/T (potential-free relay contact) are connected to the door opener, the electrical door lock or similar. Potential-free contact max. 36 VDC, 1 A, connected spool min. 8 Ω.

- For an extended address range from 49 bell buttons onwards, in connection with a Control module 300026 or 300028 (ML version)
- Incl. a set of screws, grid adapter and adhesive pad
- Working temperature: -10 °C to +65 °C
- Protection type IP20

300081

### BUS Door speaker



Dimensions: 121 x 99 x 21 mm

The BUS Door speaker is to be integrated into the SKS door station (not suitable for all door stations, please contact our support). Up to 48 bell buttons can be connected to the BUS Door speaker. The BUS Door speaker additionally contains loudspeaker and microphone for voice communication.

For door stations with more than 48 bell buttons a further BUS Door speaker 300081 is needed, which is operated in "extension" mode. To this Extension module another 48 bell buttons can be connected. Thus up to 96 bell buttons per door station are possible. Terminals T/T (potential-free relay contact) are connected to the door opener, the electrical door lock or similar. The direct current resistance must not be lower than 8 Ω.

- Door loudspeaker incl. control module for up to 48 bell buttons
- Integrated duplex controller to suppress background noises
- Working temperature: -10 °C to +65 °C
- Protection type IP20

300074

### Combined camera/speech module in 6-wire video technology for individual SKS door stations

Dimensions: 102 x 130 x 43 mm



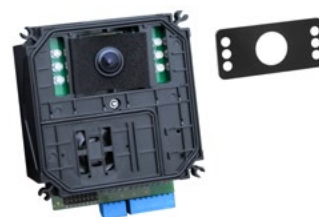
For the installation into individual door stations (except for Basic Line door stations and SKS stainless steel video set door stations) with up to 48 bell buttons/indoor stations. The Combined camera speech module additionally contains loudspeaker and microphone for voice communication.

- Integrated duplex controller
- Symmetrical video transmission
- Effective illumination at night with 6 infrared LEDs
- Recommended installation height: 1,45 m to 1,65 m (centre of the camera lens)
- Avoid direct backlight
- Minimal light intensity: 0,2 Lux for colour
- Switching to black/white at night
- Resolution: PAL, CCD sensor 976 (h) x 582 (v) pixels
- Angle: horizontal 125°, vertical 90°, not tiltable
- Working temperature: -10 °C to +50 °C
- Humidity: 20 % to 90 %, non-condensing
- Mounting accessories and connecting adapter included
- To be used with common JY(St)Y installation cables with Ø 0,8 mm

300084

### Combined camera/speech module in 6-wire video technology for SKS set door stations

Dimensions: 102 x 130 x 43 mm



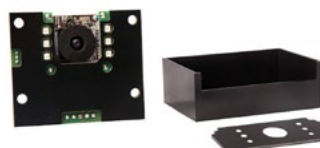
For the installation into SKS Basic Line door stations and SKS stainless steel video set door stations with up to 48 bell buttons/indoor stations. The Combined camera speech module additionally contains loudspeaker and microphone for voice communication.

- Integrated duplex controller
- Symmetrical video transmission
- Effective illumination at night with 6 infrared LEDs
- Recommended installation height: 1,45 m to 1,65 m (centre of the camera lens)
- Avoid direct backlight
- Minimal light intensity: 0,2 Lux for colour
- Switching to black/white at night
- Resolution: PAL, CCD sensor 976 (h) x 582 (v) pixels
- Angle: horizontal 125°, vertical 90°, not tiltable
- Working temperature: -10 °C to +50 °C
- Humidity: 20 % to 90 %, non-condensing
- Mounting accessories included
- To be used with common JY(St)Y installation cables with Ø 0,8 mm

300021

### Pinhole camera, 6-wire

Dimensions: 78 x 62 x 28 mm



The Pinhole camera is installed in door stations and transmits a video image to the according indoor stations. Here the integrated heating avoids fogging of the acrylic glass window in any weather condition.

- Swivelling inside the housing
- Light intensity: 0,5 Lux (in color), switching to b/w at night at < 0,1 Lux
- Effective illumination at night with 6 infrared LEDs
- Recommended installation height: 1,45 m to 1,65 m (centre of camera lense)
- Avoid direct backlight
- Resolution: PAL, CCD sensor 976 (H) x 582 (V) Pixel
- Angle: horizontal 80°, vertical 55°
- Working temperature: -10°C to +50°C
- Humidity: 20% to 90%, non-condensing
- To be used with common JY(St)Y installation cables with Ø 0,8 mm

300075

### Camera, with extended angle, 6-wire

Dimensions: 110 x 90 x 44 mm



The Camera with extended angle is installed in door stations and transmits a video image to the according indoor stations. Here the integrated heating avoids misting of the acrylic glass window in any weather condition.

- Camera tiltable within the housing
- Effective illumination at night with 6 infrared LEDs
- Recommended installation height: 1,45 m to 1,65 m
- Avoid direct backlight
- Minimum light intensity: 0,2 Lux in color
- Switching to b/w at night
- Resolution: PAL, CCD sensor 976 (H) x 582 (V) pixels
- Angle: horizontal 125°, vertical 90°
- Working temperature: -10°C to +50°C
- Humidity: 20% to 90%, non-condensing
- To be used with common JY(St)Y installation cables with Ø 0,8 mm



300029

### Symmetry amplifier



Dimensions: 49 x 46 x 15 mm (3DU)

The Symmetry amplifier converts a standard PAL video signal in such a way that it can be displayed on indoor stations in SKS 6-wire video BUS systems. Thus it is possible to operate any external video camera requiring 12 volt power supply and consuming no more than 450 mA in a SKS 6-wire video BUS system. The Symmetry amplifier should be mounted as close as possible to the respective camera. A coaxial cable RG59 must be used for the video signal between camera and Symmetry amplifier.

- To connect PAL video signals
- 12 VDC supply voltage for external camera
- Max. current consumption camera: 450 mA
- Mounting close to the camera
- RG59 connection between camera and symmetry amplifier
- Working temperature: -10 °C to +50 °C
- Humidity: 20 % to 90 %, non-condensing
- Protection type IP20

300013

### Dome camera



Dimensions: Ø 120 mm, height 80 mm

The Dome camera may be used in combination with the Symmetry amplifier 300029 in the 6-wire video BUS system, so that an additional video image, different from that of the door station, can be displayed at the according indoor stations. Because of the adjustable zoom and focus of the camera, it is possible to set the camera for any application required.

- HQ color image sensor, 1/3"
- Vario objective 2.7 to 12 mm
- Manual focus control
- IR infrared LEDs, reaching up to 30 m
- Light intensity: 0.04 Lux (color), at night switching to s/w
- Angle: horizontal 33° to 106°, vertical 19° to 56°
- Supply voltage: 12 VDC (+/-30 %)
- Current consumption: 450 mA
- Working temperature: -40 °C to +60 °C
- Direct backlight must be avoided
- Suitable for all weather conditions
- Protection type IP67

300095

### BUS actuator module



Dimensions: 52 x 42 x 15 mm

The BUS actuator module FM\* carries out various switching functions via a potential-free relay contact. These switching functions are initiated at the indoor station (depending on the model), the door station or mobile devices that are connected to an IP gateway. Thus it is for example possible to activate an optional radio door bell when the bell is rung. Alternatively using the BUS actuator module the floor bell can call all indoor stations simultaneously which are operated in parallel (ringing at the same time).

- Potential-free relay contact for switching functions
- Relay contact: 1 A (30 VAC/30 VDC)
- Potential-free input for floor bell
- Differentiating between door and floor call
- Can be installed into flush-mounted box
- Working temperature: -10 °C to +55 °C
- Protection type IP20

300022

### Switching actuator



Dimensions: 70 x 91 x 70 mm (4DU)

The Switching actuator performs various switching functions via two potential-free relay contacts. The functions are triggered by the indoor station (depending on the model) or the door station or mobile devices connected to an IP gateway. Thus it is possible to control various functions such as staircase lights, door operators etc.

- The switching times of both relays can be set separately from each other from 1 second to around 11 minutes, one of the relays can alternatively be used as a surge relay.
- Switching capacity DC: 2 A (max. 24 V, utilization category DC13)
- Switching capacity AC: 5 A (250 V, utilization category AC1)
- Working temperature: -10 °C to +55 °C
- Protection type IP20

\* FM = flush-mounted

All dimensions width x height x depth. DU = Division unit.

300033

### Transformer 12 VAC/1,5 A

Dimensions: 35 x 95 x 64 mm (2DU)



The Transformer is used to supply the door opener and/or the name plate illumination. In larger units several transformers of type 300033 may be needed. Please mind during planning that additional wires might be needed for the name plate illumination.

- Supply of up to 30 name plate illuminations
- Nominal input voltage: 220 to 240 VAC
- Rated output voltage: 12 VAC
- Nominal output current: 1.5 A
- For panel or surface mounting
- Working temperature: -10 °C to +55 °C
- Protection type IP20

300054

### Switching power supply 28 VDC

Dimensions: 71 x 95 x 68 mm (4DU)



The Switching power supply is used to power the COMFORT door station multitouch as well as an additional supply for indoor stations with image memory. The power supply is also used to power various other assemblies.

- Nominal input voltage: 207 to 253 VAC
- Rated output voltage: 28 VDC
- Nominal output current: 1,7 A
- Working temperature: -5 °C to +50 °C
- Protection type IP20

300071

### Switching power supply 12 VDC

Dimensions: 18 x 97 x 68 mm (1DU)



The Switching power supply is used to supply the Active distributor 300040, if more than 2 are installed in a BUS line. The power supply is also used to supply various other assemblies.

- Replacement for switching power supply 800422
- Nominal input voltage: 100 to 240 VAC
- Rated output voltage: 12 VDC
- Nominal output current: 1 A
- Working temperature: -5°C to +50°C
- Protection type IP20

300085

### Switching power supply 24 VDC

Dimensions: 18 x 97 x 68 mm (1DU)



The Switching power supply is used to power the IP gateway II 300111 and 300112 and is also used as an additional supply for various other assemblies.

- Nominal input voltage: 90 to 260 VAC
- Rated output voltage: 24 VDC
- Nominal output current: 0.5 A
- Working temperature: -5 °C to +50 °C
- Protection type IP20

300089

### Basic compact power supply

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



300090

### Video compact power supply

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



The Basic compact power supply is suitable for the SKS audio and 6-wire video BUS. Up to 96 indoor stations (without parallel connection) and a maximum of 8 door stations may be connected. Additionally it is possible to supply up to 30 name plate illuminations and the door openers. When several indoor stations are operated in parallel (i. e. they ring at the same time) the maximum number of indoor stations is reduced.

**Usage in 6-wire video systems is only possible in connection with item 300090, 300092, 300117 or 300118.**

- Supply of up to 96 indoor stations and a maximum of 8 door stations
- Supply of up to 30 name plate illuminations
- Supply of door openers with 12 VAC with a maximum of 1 A
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type IP20

The Video compact power supply is used to supply up to 96 indoor stations (without parallel connection) and a maximum of 4 camera modules. When several indoor stations are operated in parallel (i. e. they ring at the same time) the maximum number of indoor stations is reduced. The integrated active distributor distributes the video signal to a maximum of 4 risers. If there are more than 4 risers further external active distributors can be used.

**Usage is only possible in connection with item 300089.**

- Supply of up to 96 video indoor stations (without parallel operation) and up to four cameras
- Can be used for up to four risers without any additional components
- Suitable for connecting a line extension
- The Video compact power supply is short-circuit-proof and protected against overload
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type: IP20

300117

### Video compact power supply with amplifier

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



300119

### Solo compact power supply

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



The Video compact power supply with amplifier has the same features as the Video compact power supply 300090. Apart from that it makes it possible to realize distances of up to 350 m between door station and distribution without any further components such as additional transmitters, receivers or a symmetry amplifier.

**Usage is only possible in connection with item 300089.**

- Supply of up to 96 video indoor stations (without parallel operation) and up to four cameras
- Can be used for up to four risers without any additional components
- Suitable for connecting a line extension
- The Video power supply with amplifier allows for distances from the distribution to the door station furthest away from it of up to 350 m.
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type: IP20

In SKS IP systems the Solo compact power supply serves to supply an SKS BUS segment with up to 36 video indoor stations (without parallel operation, door opener and name plate illumination is not supplied).

When used with up to two analogue door stations the Solo compact power supply can supply up to 24 video indoor stations (without parallel operation) as well as name plate illuminations and door opener.

- If indoor stations are operated in parallel the maximum number of indoor stations in the system is reduced.
- Can be used for up to 2 risers without any additional components
- The Solo compact power supply is short-circuit-proof and protected against overload.
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type: IP20



300091

**Floor compact power supply**

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



The Floor compact power supply offers the possibility to establish floor lines. A floor line consists of at least one floor door station and the respective indoor stations. Using the Floor compact power supply it is possible to make a call from a floor door station to an indoor station on the same floor. At the same time it is possible to talk on the main line i. e. from a door station to an indoor station which is not on the very floor line (multiple call routes).

**Usage in video systems is only possible in connection with item 300092.**

- Supply of up to 96 indoor stations and a maximum of 8 door stations
- Supply of up to 30 name plate illuminations
- Supply of door openers with 12 VAC with max. 1 A
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type IP20

300092

**Extended video compact power supply**

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



The Extended video compact power supply is used to supply up to 96 indoor stations (without parallel operation) and a maximum of 8 camera modules. When several indoor stations are operated in parallel (i. e. they ring at the same time) the maximum number of indoor stations is reduced. Up to 2 external active distributors can be connected and supplied by the Extended video compact power supply. The Extended video compact power supply and the Floor compact power supply are used together where floor door stations are installed in a system with video door stations.

**Usage is only possible in connection with item 300089 or 300091.**

- Supply of up to 96 video indoor stations (without parallel operation) and up to 8 cameras
- Can be used to establish floor lines
- Suitable for connecting a line extension
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type: IP20

300118

**Extended video compact power supply with amplifier**

Dimensions: 105 x 90 x 71 mm  
without terminals (6DU)



The Extended video compact power supply with amplifier has the same features as the Extended video compact power supply 300092. Apart from that it allows for realizing distances of up to 350 m between door station and distribution without any further components such as additional transmitters, receivers or a symmetry amplifier.

**Usage is only possible in connection with item 300089 or 300091.**

- Supply of up to 96 video indoor stations (without parallel operation) and up to 8 cameras
- Suitable for connecting a line extension
- The Extended video power supply with amplifier allows for distances from the distribution to the door station furthest away from it of up to 350 m
- Nominal input voltage: 207 to 253 VAC/50 Hz
- Working temperature: -5 °C to +45 °C
- Protection type: IP20

300040

**Video active distributor**

Dimensions: 105 x 91 x 70 mm (6DU)



The Video active distributor splits the video signal into up to four risers. Here input and output are built symmetrically. Each riser or rather output must be ended with a 75 Ohm terminating resistor. It is possible to use several Video active distributors in one system (i. e. if there are 8 risers). If there are more than 2 Video active distributors per BUS line, they must be supplied by a Switching power supply 12 VDC 300071.

- Symmetrical video transmission
- Used to distribute the video signal into up to 4 risers
- Several active distributors can be used together
- Working temperature: -10 °C to +55 °C
- Protection type IP20

300086

### Status module

Dimensions: 100 x 64 x 30 mm



The DIN 18040 „Barrier-free construction“ demands, that intercom systems and door openers must be equipped with visual signals for the hearing-impaired. The SKS Status module, which can be added to all SKS BUS systems, fulfils these legal requirements in full.

Apart from that the Status module has a TFT display, protected by acrylic glass. The different status are shown visually in images and texts.

- Display of „Ruf gesendet (Call initiated)“, „Bitte sprechen (Please speak)“, „Tür offen (Door open)“ and „Ruf beendet (call terminated)“ in words and images
- According to DIN 18040 „Barrier-free construction“
- Size of display 8.9 cm (3.5“)
- Display resolution 320 x 240 Pixel
- Display luminance 500 cd/m<sup>2</sup>
- Working temperature -25°C to +75°C



Ruf gesendet



Tür offen



Ruf beendet

300020

### Line extension

Dimensions: 138 x 90 x 37 mm (8DU)



Using the Line extension In combination with the COMFORT door station up to 8 main lines may be built. Here it is possible to talk in all main lines at the same time. Thus it is not only possible to construct large units with a Line extension, but in combination with 8 door stations it also allows for speaking in 8 lines simultaneously. The Line extension is necessary for units with more than 48 indoor stations or if speaking in more than one line at the same time is required.

- Extensions to up to 8 BUS lines in combination with a COMFORT door station
- For 6-wire video: 8 BUS lines with 48 indoor stations all in all
- For 2-wire audio: 8 BUS lines with 96 indoor stations all in all
- When several BUS lines and more than one COMFORT door station is used talking in various lines at the same time is possible
- Supplied by a Switching power supply 300054
- Working temperature: -10 °C to +55 °C
- Protection type IP20

300113

### TK Adapter V2

Dimensions: 105 x 90 x 71 mm without terminals (6DU)



The TK Adapter V2 functions as a connection between the SKS BUS and a telephone system. Here it is possible to connect up to 15 bell buttons to a telephone system. All telephones communicating with the TK Adapter V2 need to be suitable for DTMF. The TK Adapter V2 needs an analogue port at the telephone system.

- Forwarding calls after a certain time span, time adjustable
- For each attendee 2 call numbers of up to 24 characters (also special characters) can be configured
- Redirecting calls during a configurable time span
- Busy signal
- Dialling without waiting
- Can be configured with your personal computer and (limited) via telephone
- Is needed once per telephone system
- USB cable enclosed
- Working temperature from: -5 °C to +45 °C
- Protection type IP20

300042

### Video passive distributor

Dimensions: 50 x 42 x 15 mm

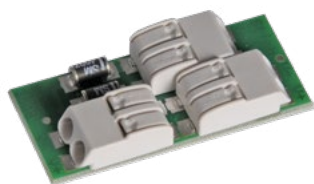


The Video passive distributor is used in full star wiring. It distributes the video signal to up to 4 stubs. Outputs and inputs are built symmetrically. The maximum length of wire between door station and the indoor station furthest away is 75 m. It is possible to use several Video passive distributors in one system (i. e. for 8 risers in a star). Parallel operation (several indoor stations ringing at the same time) is not possible with the Video passive distributor.

- Installed into flush-mounted box
- 4 outputs for risers
- Several video passive distributors can be used together
- Symmetrical transmission of video image
- Working temperature: -10 °C to +55 °C
- Protection type IP20



300042

**Video passive distributor**

Dimensions: 16 x 35 x 7 mm

The Video passive distributor is used for a stub in a riser without affecting the video signal in the system in a negative way. Output and input are built symmetrically. Several indoor stations can be connected to the output of the Video passive distributor, if the wire length between the first and last indoor station does not exceed 10 m. Parallel operation (several indoor stations ringing at the same time) is not possible with the Video passive distributor. Due to its small measurements it can be built into a flush-mounted box behind the floor bell without any problems. It is possible to install several Video passive distributors in a system.

- Used for stubs in a riser
- Installed into flush-mounted box
- 1 output for 1 stub
- Several video passive distributors can be used together
- Symmetrical transmission of video image
- Working temperature: -10 °C to +55 °C
- Protection type IP20

300043

**Video passive distributor**

Dimensions: 50 x 42 x 15 mm

The Video passive distributor bundles the video signals of up to 4 cameras (PAL video sources). Thus it is possible to build systems with more than one door station. The outputs and inputs are built symmetrically. It is possible to install several Video passive distributors in a system (i.e. if there are 8 cameras).

- The Passive distributor bundles the video signals of up to four cameras (PAL video sources)
- Up to two Passive distributors may be installed in one SKS BUS system
- Outputs and inputs are built symmetrically
- 4 inputs, 1 output
- Working temperature: -10 °C to +55 °C
- Protection type IP20

300011

**BUS driver for up to 48 indoor stations (residential units)**

Dimensions: 70 x 91 x 70 mm (4DU)

The BUS driver is the central supply unit for the SKS BUS system. Up to 48 indoor stations (without parallel operation) and a maximum of 8 door stations can be connected. It is supplied by the transformer 300035. A green LED shows whether the BUS voltage is within the permitted range. The whole wiring network must not exceed a length of 1,5 km.

- BUS voltage: 19 to 23 VDC
- Supply via transformer 300035 (see page 29)
- For more than 12 name plate illuminations a transformer 300033 is needed
- For a BUS line with 48 indoor stations (flats)
- Working temperature: -10 °C to +55 °C
- Protection type IP20

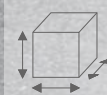
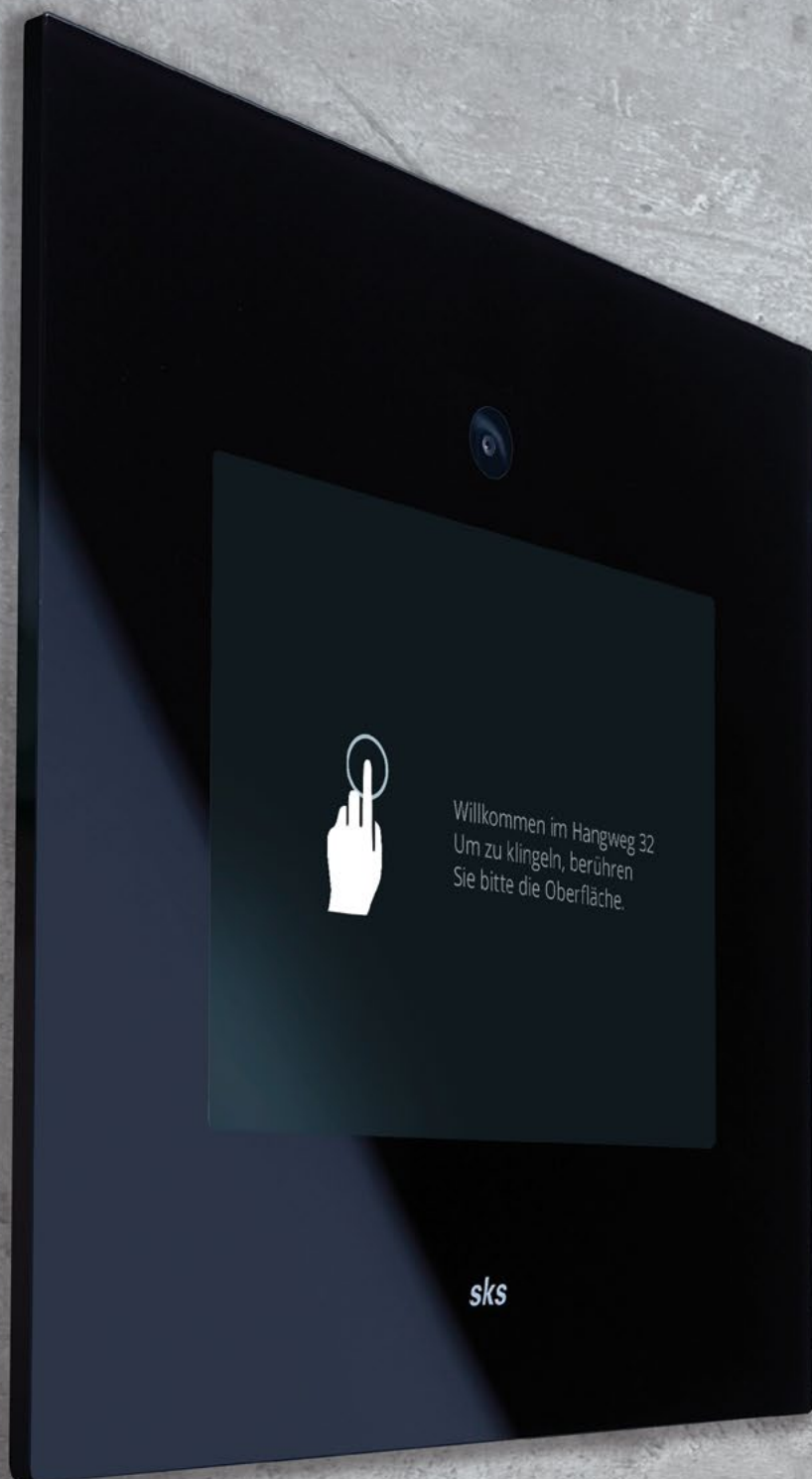
300035

**Transformer 13 VAC/25 VAC**

Dimensions: 90 x 90 x 65 mm (5DU)

The Transformer was built for audio systems. The 25 VAC winding supplies the BUS driver. The 1 VAC winding supplies the door opener and up to 12 name plate illuminations. For more than 12 name plate illuminations a Transformer 300033 is needed.

- Nominal input voltage: 230 VAC
- Nominal output voltage 1: 13 VAC
- Nominal output current 1: 0.5 A
- Nominal output voltage 2: 25 VAC
- Nominal output current 2: 0.8 A
- Working temperature: -5°C to +45°C
- Protection type IP20



Glass dimensions:	195 x 195 x 4 mm
Installation dimensions:	184 x 184 x 65 mm
In-wall dimensions:	179 x 179 x 65 mm

# COMFORT door station multitouch with intuitive 5.7" touch display

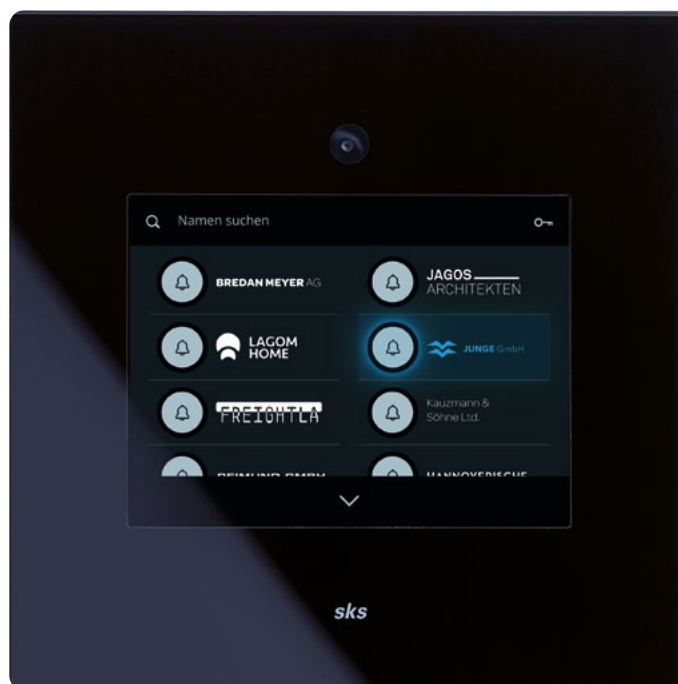


Multifunctionality in its most beautiful form – audio/video door station, access control and information system at once. The COMFORT series excels especially with its easy operation via a multi touch color display and thus is attractive to all age groups – in residential areas and student residences, office buildings, joint practices or underground car park accesses.

High-quality surface  
of safety glass +

Large 14.5 cm (5.7")  
TFT color display +  
(640 x 480 pixels)

Easy and  
intuitive operation +



+ With built-in  
color camera

+ Images & text  
can be customized  
(also in color)

+ Operation via  
multitouch display

+ Available colors:  
white and black

COMFORT door station  
multitouch

- 6-wire video/audio technology
- Compatible with all SKS BUS audio and video indoor stations
- 14.5 cm (5.7", 640 x 480 pixels) sized multitouch display
- Easy and intuitive operation
- Almost barrier-free
- Configuration at the device or via web interface
- Bell button as text or vector image (jpg, png or svg)

- Code lock function with random number display
- Various levels possible e. g. for different departments or floors
- Protected against vandalism by safety glass
- Two types of installation: stand alone in-wall or cavity wall, here the COMFORT multitouch protrudes just 8 mm over the wall, alternatively it can be installed flush-mounted in an in-wall housing with stainless steel front panel, a stèle or post box system

Almost **barrier-free** following **DIN 18040**

## 6-wire

Item no.	Description	Color
60001110	COMFORT door station multitouch, 6-wire	black
60001210	COMFORT door station multitouch, 6-wire	white
60004410	COMFORT door station multitouch ML, 6-wire*	black
60004510	COMFORT door station multitouch ML, 6-wire*	white
600057	In-wall housing for screwless installation	

\* To be built into item 600057 or individually manufactured door stations by SKS.  
All dimensions width x height x depth.

## NEW Screwless installation

### Flush-mounted installation

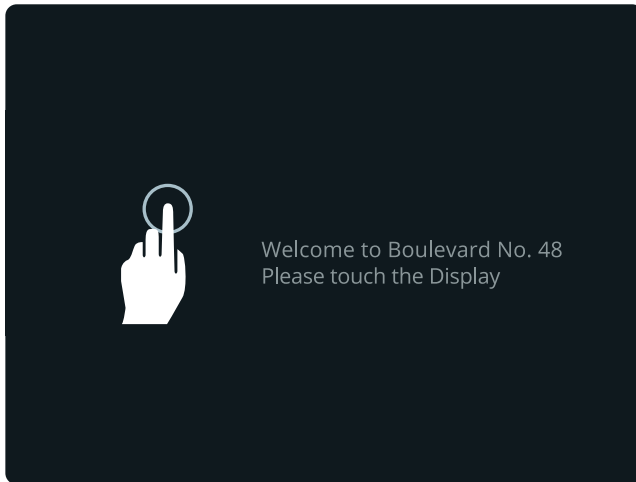
For flush-mounting and an optimal protection against vandalism we recommend to install the COMFORT in a screwless housing, consisting of a stainless steel front panel and an in-wall housing.



Panel dimensions: 275 x 412 x 3 mm  
Housing dimensions: 255 x 392 x 60 mm

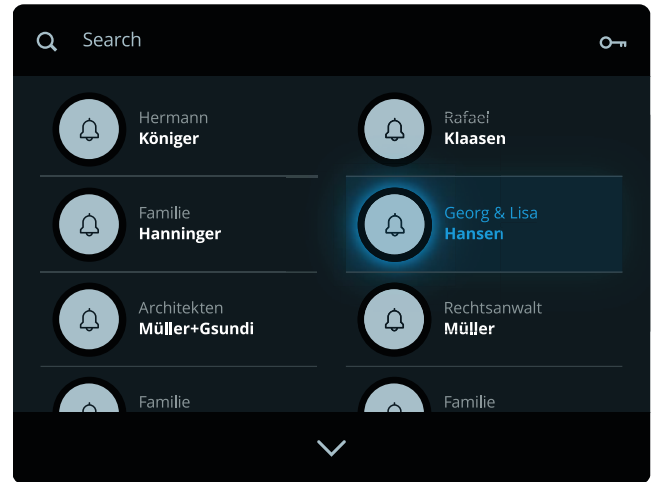


# COMFORT door station multitouch 5,7“ — Functional overview



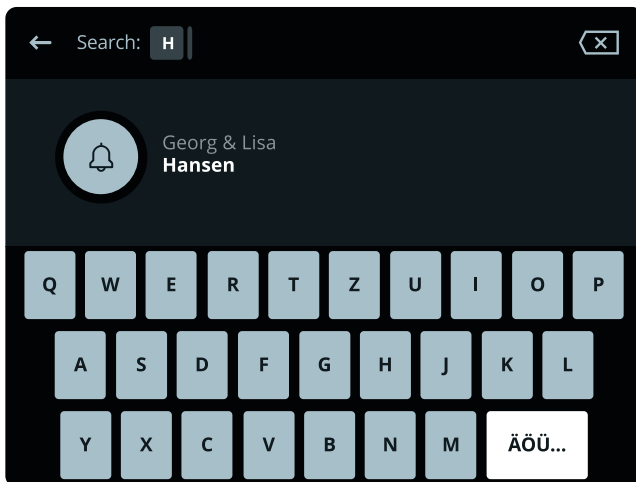
## Welcome screen

If a person approaches the door station, the color display is switched on automatically.



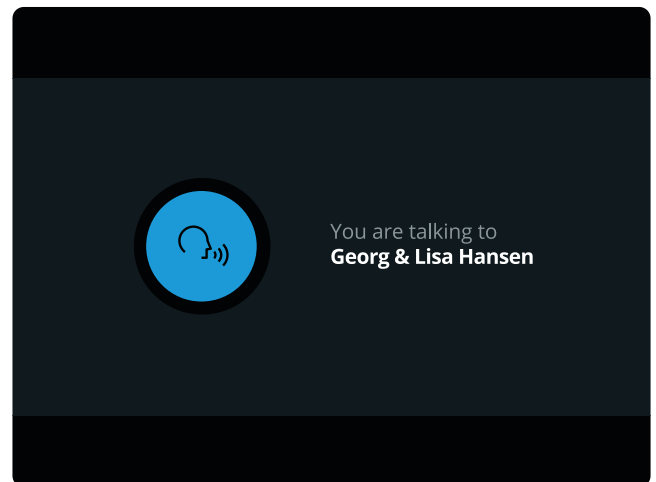
## Finding names

Names can be searched by wiping or scrolling. By simply touching the name you choose it and activate the door bell. The visitor gets an optical feedback on the actual function.



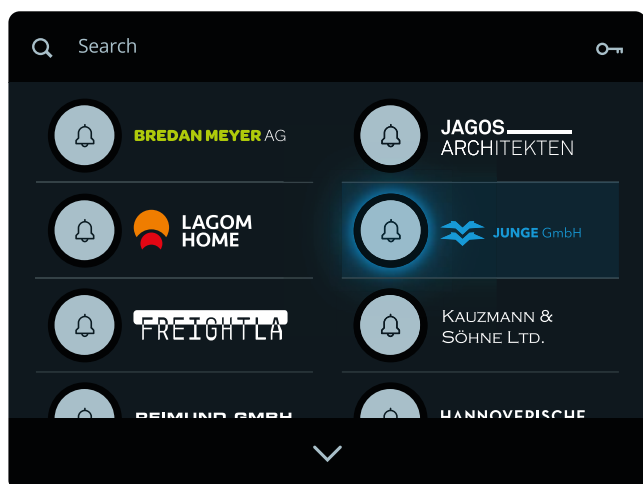
## Comfortable search function

For larger residential estates or office buildings names can be found easily and safely via the search function with a virtual key pad.



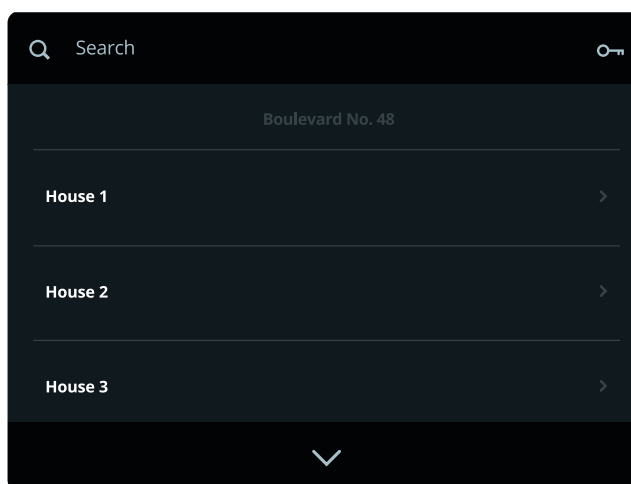
## Functions displayed

The hearing-impaired get symbolic and textual status information on screen: After ringing „Ruf gesendet“ (Call has been sent) appears on the display. When the call is answered „Sie sprechen mit...“ (You are talking to) is displayed and when the door opener is activated it says „Die Tür wurde geöffnet“ (The door has been opened).



### Customized display with company logo

The COMFORT door station may also be used as an information system as the user interface offers freely customizable blocks. Images or additional text may be displayed for each resident, e. g. company logos, departments or floors in which residents can be found.



### Well-structured name search using groups

At a central door the residents of each house can be assigned to a group (e. g. houses 1 to 3 in a residential estate).

### Virtual code lock – maximum security

Using the virtual code lock function the COMFORT door station may also function as a door opener. Thanks to the randomly displayed number pad with digits 0 ... 9 – for every use the numbers are displayed in a different order – a maximum security against being spied on is guaranteed.





Post box system in brushed stainless steel with flush-mounted COMFORT door station multitouch in 5.7"





Stele in brushed stainless steel with flush-mounted COMFORT door station multitouch in 5.7"

COMFORT door station  
multitouch

### Steles and post box systems with flush-mounted COMFORT door station multitouch

We like to work out ideas together with you concerning features, measurements and surfaces of your steles or post box system – be inspired by the flexible manufacture of your unique product.

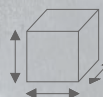


All information can also be found  
in our COMFORT film.

[www.sks-kinkel.de/comfort-door-station](http://www.sks-kinkel.de/comfort-door-station)



**NEW** Screwless installation



Panel dimensions: 300 x 551 x 3 mm  
Housing dimensions: 280 x 531 x 70 mm



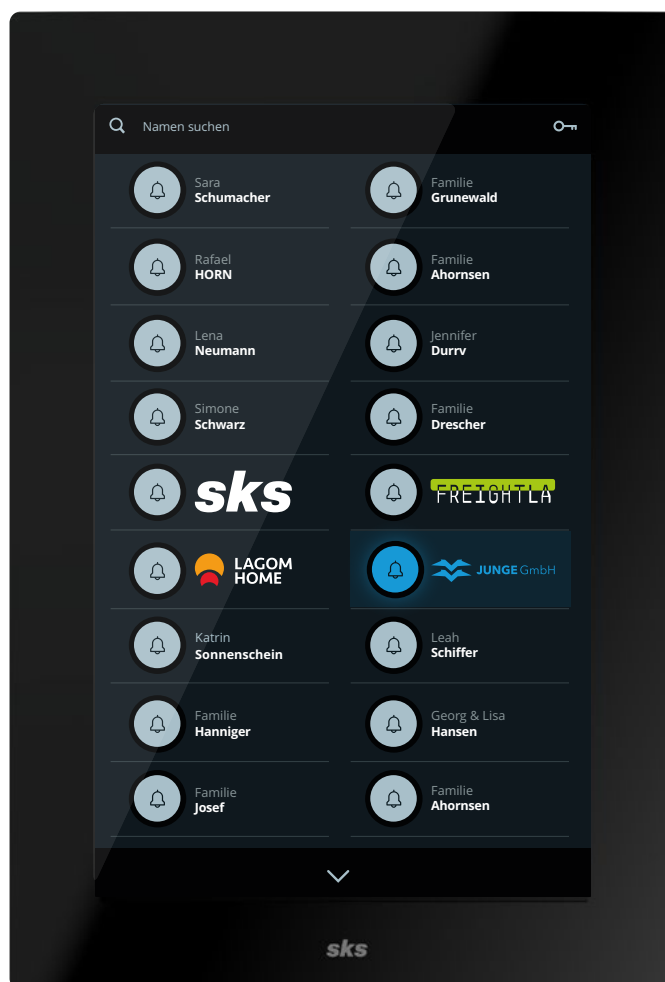
# SKS COMFORT door station multitouch with intuitive 10.1“ touch display

Multifunctionality and creative freedom in noble looks: The COMFORT combines the functionality of audio/video indoor station, access control and information system.

High-quality surface  
made of security glass +

Large 25.65 cm (10.1“) TFT color display +

Easy and  
intuitive operation +



+ Front panel with  
integrated  
color camera

+ Images & text  
customizable  
(also in color)

+ Operation via  
multitouch display

+ Available color:  
black

COMFORT door station  
multitouch



Glass dimensions: 184 x 267 mm

A high-resolution 25.65 cm (10.1“) color display guarantees an easy, intuitive operation as smartphone and tablet users are used to. The self-explanatory graphic presentation is accompanied by a visual feedback. These and other features make the COMFORT 10.1“ an attractive product for each age group.

The matching **housing** consists of a screwless stainless steel front panel and an in-wall housing.

- 6-wire video/audio technology
- Compatible with all SKS BUS audio and video indoor stations
- 25.65 cm (10.1“) sized multitouch display
- Easy and intuitive operation
- Comfortable search function
- Configuration at the device or via web interface
- Bell button as text or vector image (jpg, png or svg)
- Code lock function with random number display
- For the installation of the COMFORT door station multitouch 10.1“ a housing is needed
- Installed flush-mounted in an in-wall housing with stainless steel front panel, a stele or post box system

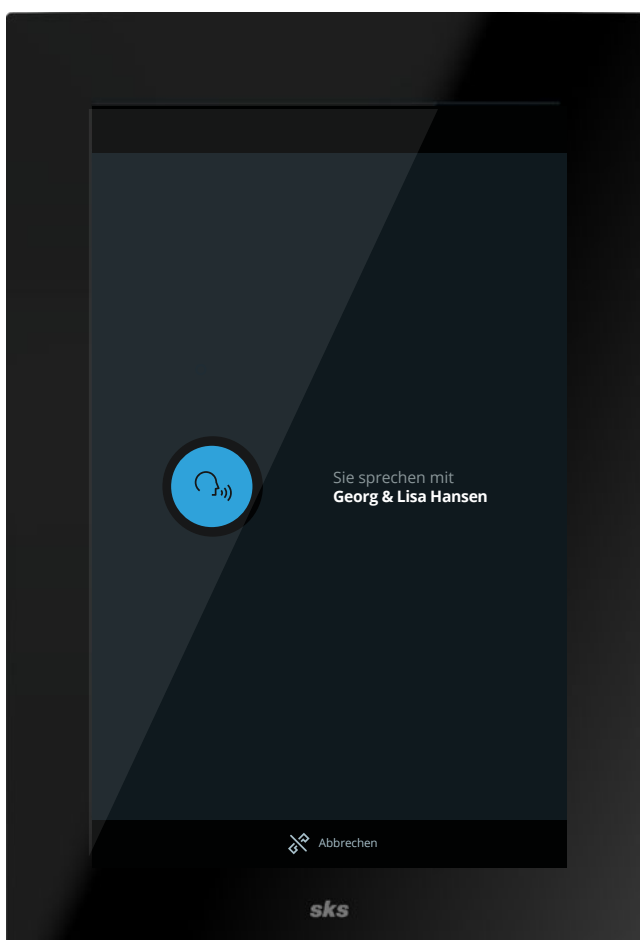
## 6-wire

Item No.	Description	Color
600053	COMFORT display multitouch, 10.1“, ML	black
600058	In-wall housing for screwless installation	

Almost **barrier-free** following **DIN 18040**

## COMFORT door station multitouch 10.1“ — Functional overview

It goes without saying that the COMFORT door station multitouch 10.1“ has all functions the COMFORT door station multitouch 5.7“ has — a complete overview on all functions can be found on pages 32 to 33 in this catalogue.



### Functions displayed

The hearing-impaired get symbolic and textual status information on screen: After ringing „Ruf gesendet“ (Call has been sent) appears on the display. When the call is answered „Sie sprechen mit...“ (You are talking to) is displayed and when the door opener is activated it says „Die Tür wurde geöffnet“ (The door has been opened).



### Comfortable search function

For larger residential estates or office buildings names can be found easily and safely via the search function with a virtual key pad.



## An ideal combination

For outdoors SKS manufactures door stations, steles and post box systems individually according to the customer's wishes. These systems are available in a large variety of materials and with short lead times.








Please do contact us at any time for further information. On site we support you with our SKS experts, we gladly provide you with the address and phone number.

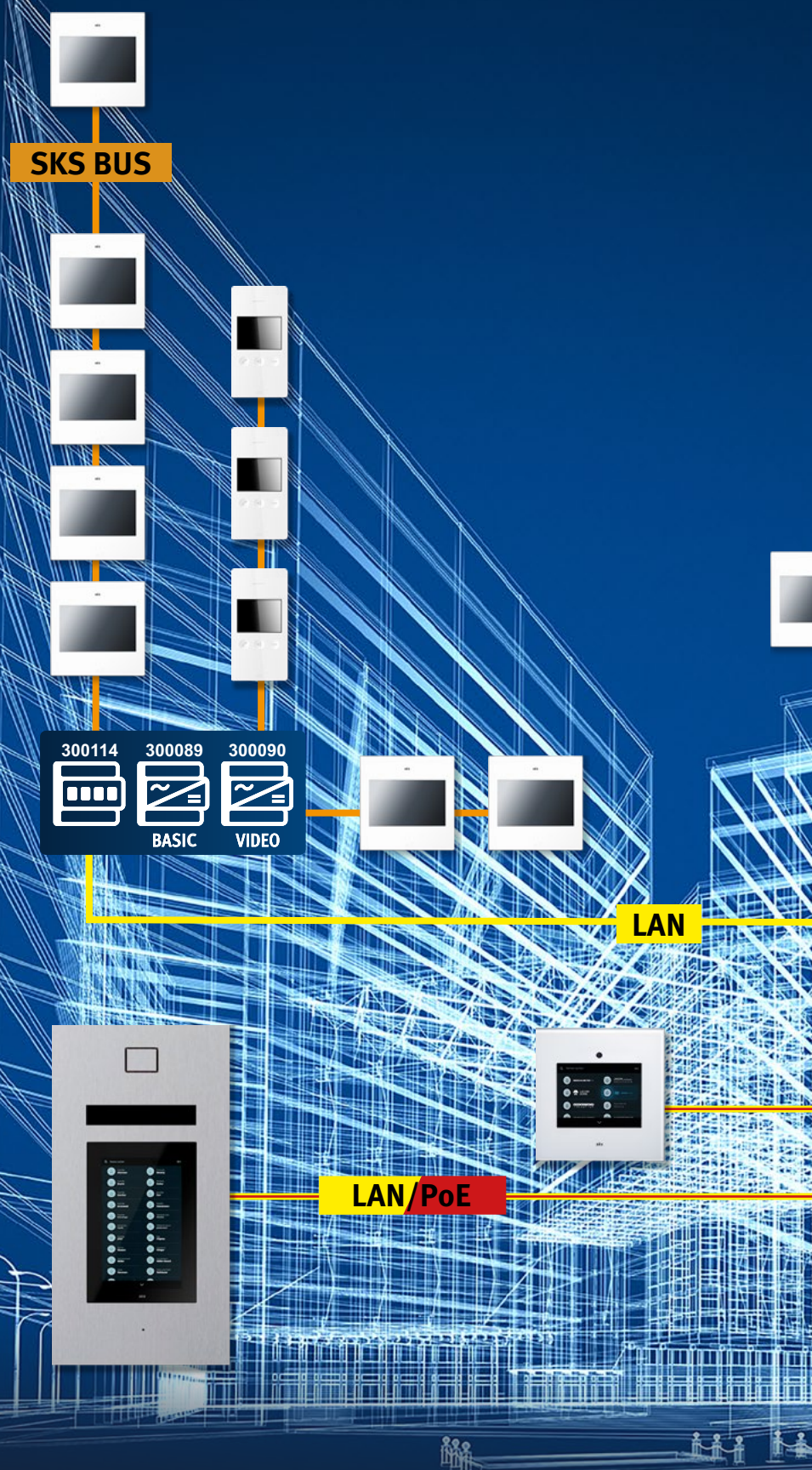
Stele in brushed stainless steel  
equipped with a flush-mounted  
COMFORT door station 10.1" +  
and color camera



COMFORT door station  
multitouch



- 300114  
 = IP switch 10-Port, PoE
- 300115  
 = IP power supply, PoE  
**POE**
- 300116  
 = IP multifunction actuator, 8-fold
- 300102  
 = Media coupler  
**IP ↔ 6D**
- 300089  
 = Basic compact power supply  
**BASIC**
- 300090  
 = Video compact power supply  
**VIDEO**
- 300119  
 = Solo compact power supply  
**SOLO**



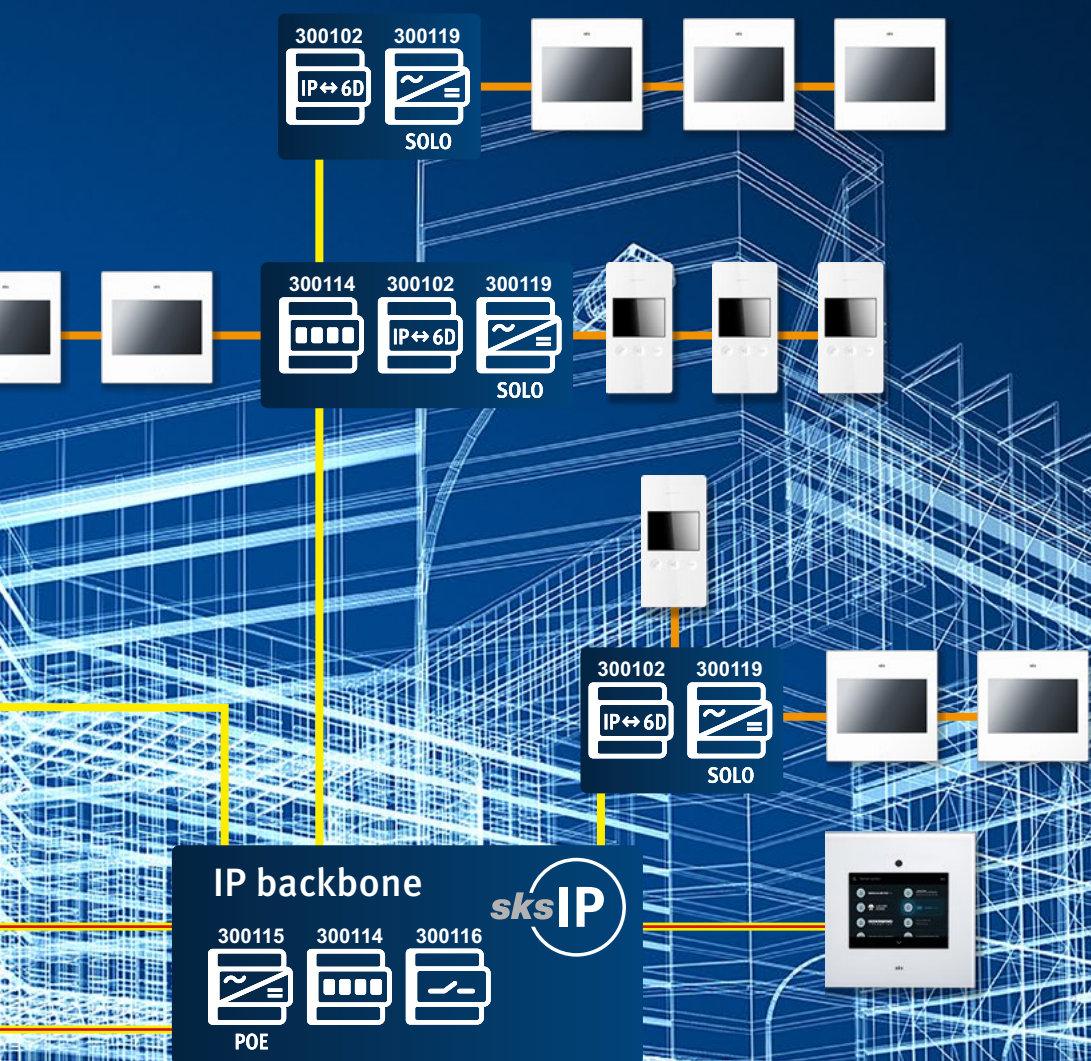
Further information on the SKS IP portfolio  
 can be found under [www.sks-kinkel.de/sks-ip-technology](http://www.sks-kinkel.de/sks-ip-technology)



*my***sks**

my **sks** products can all be set up, configured and maintained intuitively via the **my sks** customer portal.

SKS IP products are made to be operated in IP networks and are audited for their compatibility with the SKS IP distribution components (300114, 300115).



SKS IP technology

## NEW SKS IP technology

Join proven SKS BUS technology to modern SKS IP technology and experience nearly unlimited possibilities.

## IP gateway II family & business

The IP gateway II connects your SKS 6-wire BUS system with IP-based communication. Connecting mobile devices potentially offers to communicate worldwide via your intercom.



The IP Gateway II provides the connection to various compatible mobile devices such as smartphones, tablets, computers or video IP telephones. To be able to use the functionality each mobile device needs a corresponding paid and term-based license. License costs on request.

- Interface between SKS 6-wire BUS and IP networks
- Transmission of call, audio, video and control signals from the door station to local IP users or via the internet to mobile terminal devices
- Parallel transmission of a door call to up to 10 mobile devices
- Usage of IP devices (smartphone, tablet) as additional indoor stations. The SKS App is a mobile addition to an intercom system, but does not replace an indoor station, therefore SKS recommend to use both the app and a wire-bound indoor station
- Mobile usage with the SKS App\* (available for iOS and Android)
- Direct camera activation
- Control functions (e. g. for opening door and switching on lights)
- Nominal input voltage: 24 VDC
- Nominal input current: max. 300 mA
- Working temperature: 0 °C to +45 °C
- Protection type IP20
- The IP gateway II is supplied via switching power supply (item 300085)
- Using the mobile door communication (transmission of image and speech) may be limited or prohibited by the respective mobile network operator
- The connecting quality concerning the transmission of image and speech may vary with the locally specific quality of the radio net (both mobile radio and WLAN)

	Family	Business
Lifetime licenses enclosed	2	0
Worldwide door communication	✓	✓
App for mobile devices	✓	✓
PC app (Windows 10)	✓	✓
Remote maintenance	—	✓
Number of BUS addresses	3	96
Remote Backup	—	✓
Parallel mobile devices per call	5	10



To be able to use the IP gateway SKS provides various software solutions for smartphones, tablets and personal computers.

\* The actual app compatibility may vary with different end devices. For this reason, the SKS app provides a demo mode, free of charge, to evaluate the compatibility before purchase.

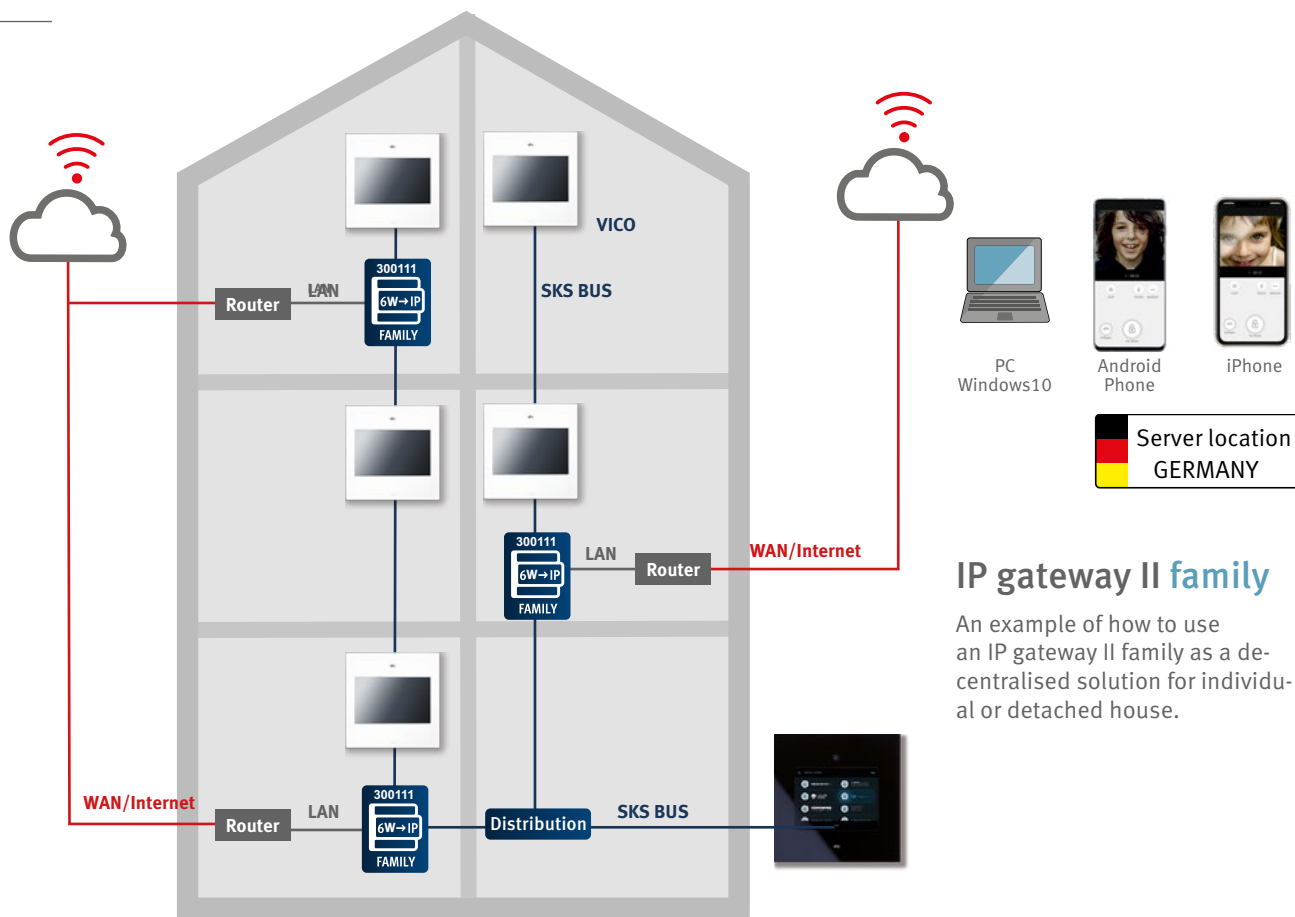
Item no.	Description
300111	IP Gateway II Family
300112	IP Gateway II Business

All dimensions width x height x depth. DU = Division unit.



## IP gateway II family & business

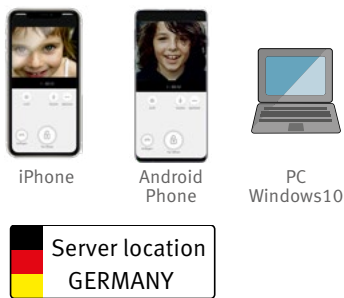
Worldwide communication possible



### IP gateway II family

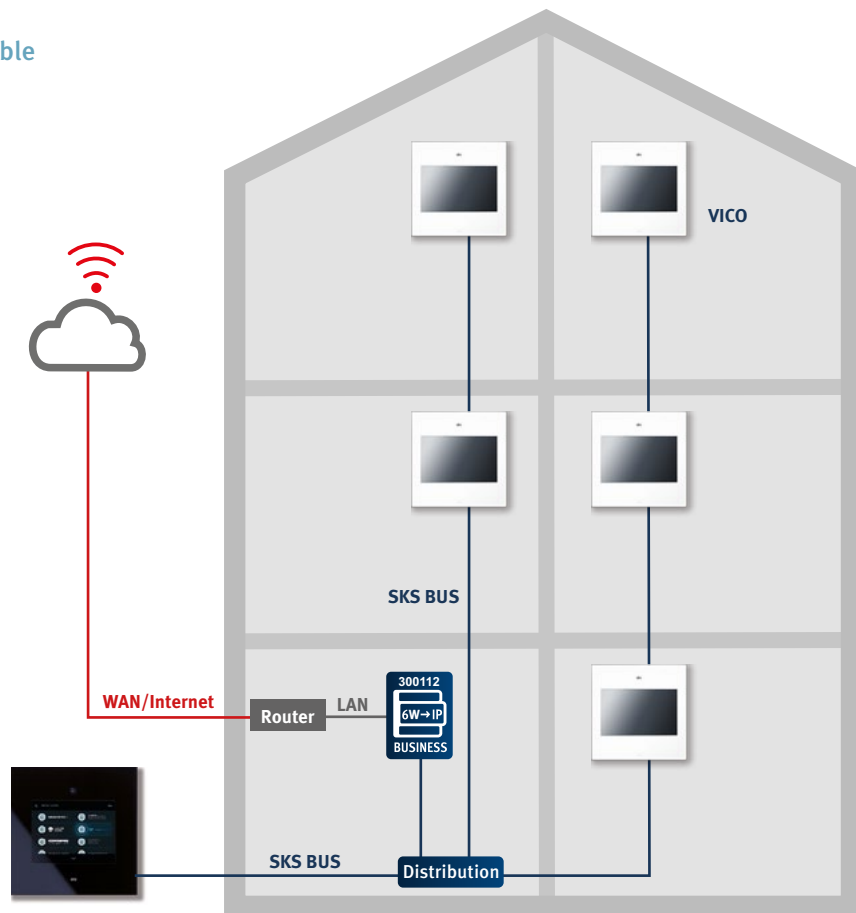
An example of how to use an IP gateway II family as a decentralised solution for individual or detached house.

Worldwide communication possible



### IP gateway II business

An example of an apartment house, student residence or functional buildings with the advantage, that just one IP gateway business must be planned for various utilization/ residential units.

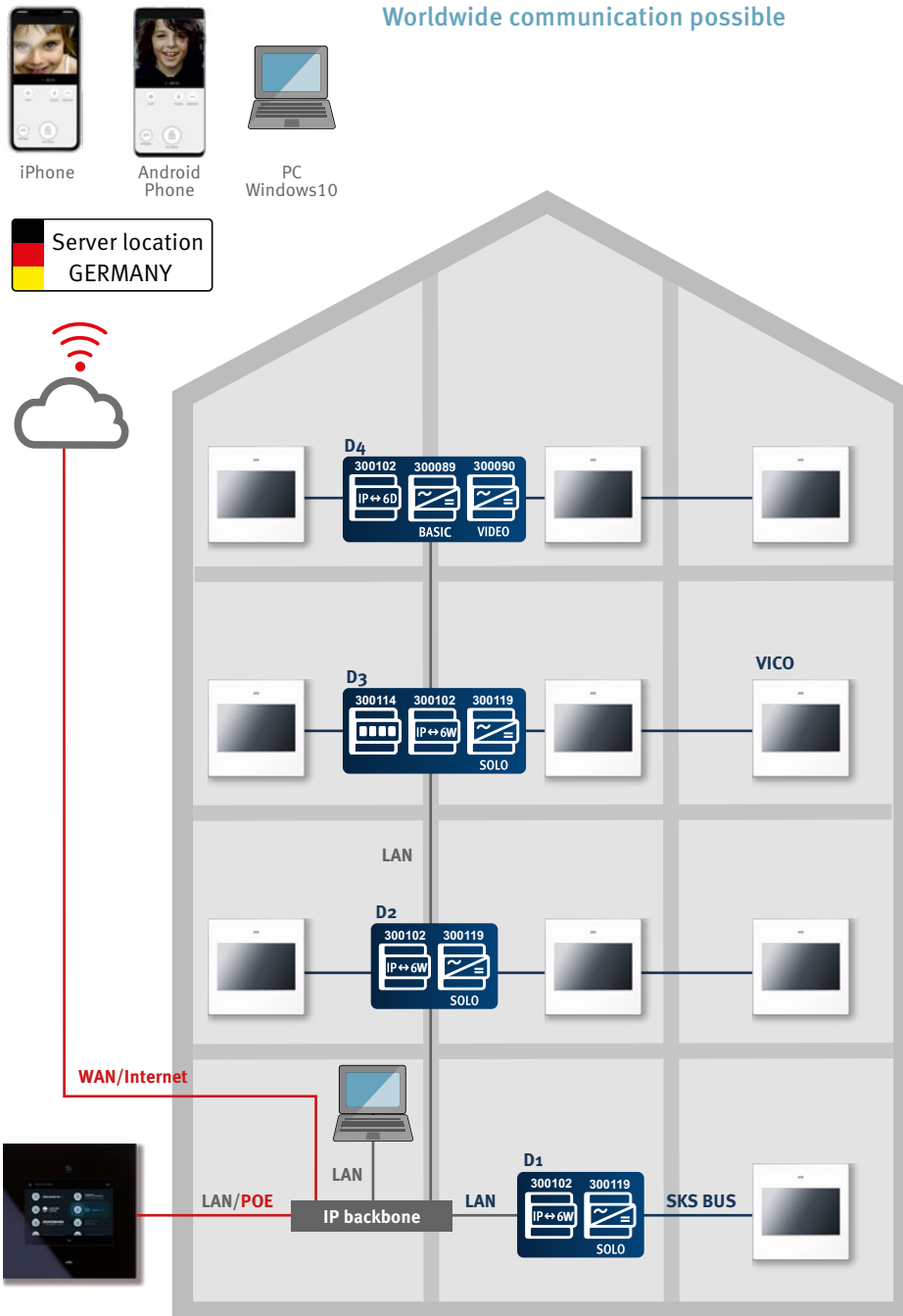


sksIP

SKS IP technology

# Media coupler

An example of an apartment house, student residence or functional buildings with the advantage, that all data is stored centralised on the main media coupler and that extensive systems can be realized with regards to user numbers and wire lengths.



## Distribution option 4 (Attic)

To be able to extend an SKS IP system by an SKS BUS segment, there must be at least one media coupler and one power supply in the distribution. Connecting the Media coupler, Basic compact power supply and video compact power supply a 6-wire BUS segment with up to 96 indoor stations in 4 risers may be operated.

## Distribution option 3 (2nd floor)

To be able to extend an SKS IP system by an SKS BUS segment, there must be at least one media coupler and one power supply in the distribution. Connecting the Media coupler and a Solo compact power supply smaller SKS BUS segments in up to 2 risers can be operated. Using the additional switch further distributions can be connected so that extensive systems with respect to wire length and user number can be realized.

## Distribution option 2 (1st floor)

To be able to extend an SKS IP system by an SKS BUS segment, there must be at least one media coupler and one power supply in the distribution. Connecting Media coupler and Solo compact power supply smaller SKS BUS segments in 2 risers can be operated.

## Distribution option 1 (Ground floor)

Typical distribution in a system in which Media couplers are operated, consisting of at least one IP switch 10-port PoE 300114 and an IP power supply PoE 300115, that are necessary to power COMFORT door stations. Optionally an IP switching actuator 8-fold 300116, which is equipped with 16 digital and 2 A/D inputs may be built in, which makes it possible to both control switching states and monitor various measured values (such as door and window contacts, room temperature).

300102

**Media coupler**

Dimensions: 105 x 90 x 71 mm  
without terminals (6 DU)

The Media coupler is used to connect the SKS IP network to SKS BUS systems. Thus it is possible to join various BUS segments into one complete system or to connect SKS IP systems to 6-wire indoor stations. The digital video input signals are made available to all SKS 6-wire users, sound and control signals are converted bi-directionally. Hence it is possible to realize extensive systems with respect to user numbers and wire lengths.

Per 6-wire segment a Media coupler is needed as well as, depending on the respective number of indoor stations, a Solo compact power supply 300119 (for smaller BUS segments) or a Basic compact power supply 300089 in combination with a Video compact power supply 300096 (for up to 96 indoor stations).

- Controlling of up to 96 BUS addresses within the 6-wire BUS
- Providing a central image memory (requires compatible video indoor stations or app)
- More than 8 door stations in a system
- Nominal input voltage: 24 VDC
- Nominal input current: max. 300 mA
- Working temperature : 0° C to +45° C
- Protection type IP20

300114

**IP Switch 10-Port PoE**

Dimensions: 90 x 108 x 67 mm  
without terminals (8 DU)

The IP-Switch 10-Port PoE 300114 for REG mounting (on DIN rail in the distribution) allows for the networking of up to 10 devices. It is equipped with 4 RJ45 front ports (10/100/1000 Mbit/s) as well as 6 installation ports (10/100/1000 Mbit/s). The PoE supply of the installation ports is done with the external IP Power supply PoE 300115. The supply of the installation ports according to 802.3af (PoE) and 802.3at (PoE+) is possible with an external power supply such as the SKS IP power supply PoE and is necessary to operate the COMFORT IP door station. Cascading the SKS IP switch 10 port PoE allows for assembling complex distributions and network topologies as well as connecting SKS BUS segments or other SKS IP products.

- Built-in power supply, 100 to 240 V/50 to 60 Hz
- Removable plug-in terminal up to 2.5 mm (230 V)
- Separate voltage input for PoE/PoE+ (48 V/52 V voltage supply according to power requirements)
- 6 PoE/PoE+ ports for permanent connection (screw/plug-in terminals, 9 pole)
- LEDs for operating functions
- VLAN support according to IEEE 802.3q
- Multicast capable
- Working temperature : 0 °C to +45 °C
- Protection type IP 20

300115

**IP power supply PoE**

Dimensions: 108 x 90 x 64 mm  
incl. terminals (6 DU)

Using the IP Voltage supply PoE 300115 in combination with the IP Switch 10-port PoE 300114 it is possible to operate COMFORT IP door stations and/or other PoE(+)-capable devices. It can be used for both, applications with PoE (48 V) and PoE(+) (52 V).

- Allows for operating COMFORT IP door stations
- Automatic short/overload protection
- Power output: 80 W
- Nominal input voltage: 100 to 240 VAC/50 to 60 Hz
- Working temperature : -20 °C to +45 °C
- Protection type IP20

300116

**IP Multi function actuator, 8-fold**

Dimensions: 144 x 90 x 59 mm  
without antenna (8 DU)

The SKS IP multifunctional actuator 8-fold with its 18 inputs (16 digital and 2 analogue) and all in all 8 outputs is used for various tasks in the overall system: it controls for example door openers, door operators, stair case lights and also monitors temperatures, locking states or light switches. Thus typical tasks of building automation in residential and utilisation units can be controlled, such as operating blinds or lights including querying the corresponding built-in switches.

- Built-in voltage supply 230 V
- 8 switch outputs 16 A/230 V
- Local operation of the switch outputs
- Status LEDs for switch outputs
- Annual timer integrated
- 2 A/D inputs for sensors 0 to 10 V/4 to 20 mA, parametrizable
- 16 digital inputs for potential free contacts
- Network plug RJ45
- Working temperature -5 °C to +45 °C
- Protection type IP20

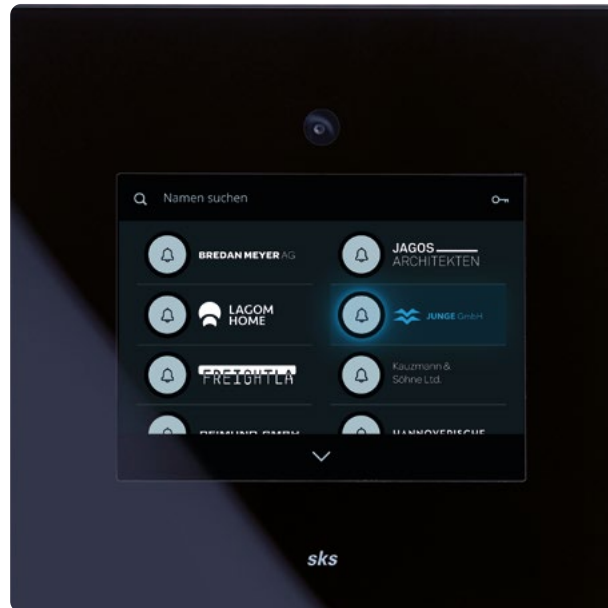
# COMFORT IP door station 5.7“

The SKS COMFORT IP door station forms a stylish entry into the SKS IP world and thus allows for building extensive systems as to user numbers and wire lengths. An excellent, clear transmission of speech and brilliant image quality go without saying. The SKS IP world does not exclude the reliable SKS BUS technology – on the contrary, several SKS BUS segments can be combined with SKS IP components via the IP backbone and hence offer nearly unlimited possibilities.

High-quality surface  
made of security glass +

Large 14.5 cm (5.7“) TFT  
color display +  
(640 x 480 pixels)

Easy and  
intuitive operation +



+ Front panel with  
built-in  
color camera

+ Images & text  
customizable  
(also in color)

+ Operation via  
touch display

+ Available colors:  
white and black



Glass dimensions: 195 x 195 x 4 mm

- 14.5 cm (5.7“) sized touch display
- Easy and intuitive operation
- More or less barrier-free
- Central configuration via web interface
- All kinds of configurations in a system are stored and managed centrally
- PoE supplied
- Bell button as text or image (jpg, png oder svg)
- Code lock function with random number display
- Various levels for e. g. different departments or floors possible
- Protected against vandalism by safety glass
- Two possible ways of installing: Stand alone in a flush-mounted box or a door side panel, here the COMFORT Door station protrudes just 8 mm, alternatively flush-mounted installation in a housing with stainless steel front panel, a stele or post box system.

Almost **barrier-free** following **DIN 18040**

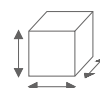
## SKS IP technology

Item No.	Description	Color
600047	COMFORT IP door station, PoE	black
600048	COMFORT IP door station, PoE	white
600049	COMFORT IP door station ML, PoE*	black
600050	COMFORT IP door station ML, PoE*	white
600057	In-wall housing for screwless installation	

\* For the installation in item 600057 or individual door stations manufactured by SKS

## Flush-mounted installation

For flush-mounting and an optimal protection against vandalism we recommend to install the COMFORT in a screwless housing, consisting of a stainless steel front panel and an in-wall housing.



Panel dim.: 275 x 412 x 3 mm  
Housing dim.: 255 x 392 x 60 mm



All dimensions width x height x depth.

Multifunctionality and creative freedom in noble looks: The COMFORT combines the functionality of audio/video indoor station, access control and information system.

High-quality surface  
made of security glass +

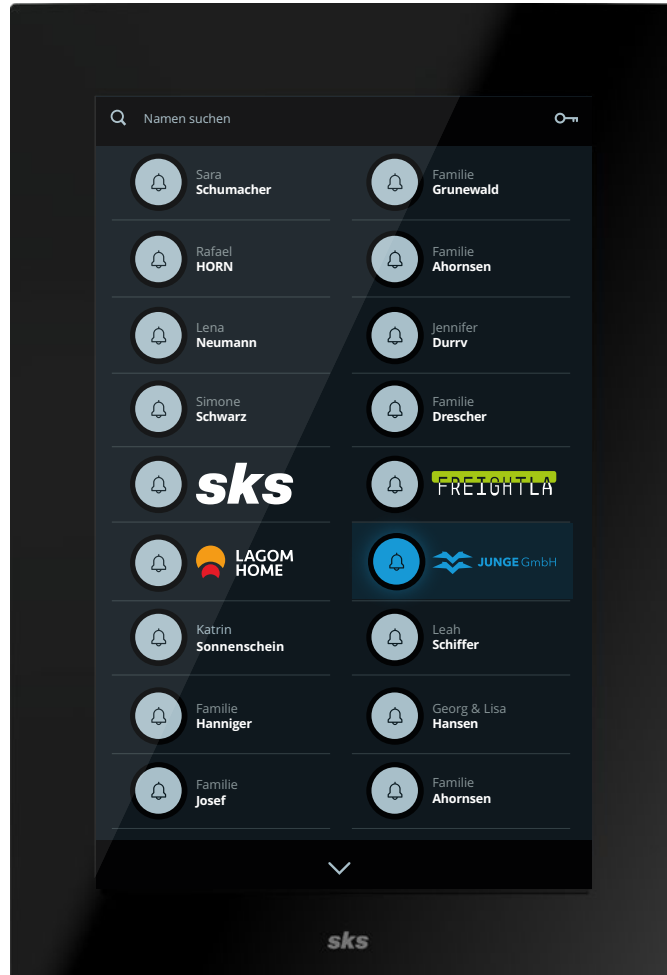
Large 25.65 cm (10.1")  
TFT color display +

Easy and intuitive operation +

- + High resolution color camera included

- + Images & text customizable (also in color)

- +
- Operation via touch display



Glass dimensions: 184 x 267 mm

A high-resolution 25.65 cm (10.1”) color display guarantees an easy, intuitive operation as smartphone and tablet users are used to. The self-explanatory graphic presentation is accompanied by a visual feedback. These and other features make the COMFORT 10.1“ an attractive product for each age group.

The matching **housing** consists of a screwless stainless steel front panel and an in-wall housing.

- 25.65 cm (10.1“) sized touch display
- Easy and intuitive operation
- Central configuration via web interface
- All kinds of configurations in a system are stored and managed
- PoE supplied
- Bell button as text or image (jpg, png oder svg)
- Comfortable search function
- Code lock function with random number display
- Flush-mounted installation in a housing with stainless steel front panel, a stele or post box system

## SKS IP technology

Item No.	Description	Color
600052	COMFORT IP display 10.1", ML	black
600058	In-wall housing for screwless installation	

All dimensions width x height x depth. DU = Division unit.

Almost **barrier-free** following **DIN 18040**

# SKS IP transponder system

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Using an innovative software solution the SKS IP transponder system offers extensive possibilities in managing your access control system.

## Your advantages when using an SKS IP transponder system

- Proximity readers can be installed in an unlimited number
- Managing an access control system via personal computer (well-structured and easy to use managing software) with up to 5,000 transponders
- Maximum security when replacing transponders, each attempt to access with a lost or stolen transponder is registered in the software
- Programming of replacement transponders is possible in no time, the programming of the lost or stolen transponder can easily be taken over for the new one
- The analysing unit allows for up to four switching functions for authorized transponders
- Complete managing of the access control system centrally possible via PC and programming unit
- Distinct identification of each transponder via an individual serial number
- Time-related access control authorization (time frames can be set)
- Remote maintenance possible (if connected to the internet)





700069

### RFID transponder card

Dimensions: 85.5 x 54 x 1 mm



- RFID transponder in credit card format
- Protocol type: Mifare-Classic Crypto 1 in the 13,56 MHz band

700066

### RFID transponder-key ring

Dimensions: 37 x 30.5 x 7.7 mm



- RFID transponder in a compact key ring format
- Durable plastic housing in grey
- Protocol type: Mifare-Classic Crypto 1 in the 13,56 MHz band

700064

### Proximity reader for SKS door stations

Dimensions: 66 x 66 x 28 mm  
(Without front panel/FM box)



- Designed to be built into customized SKS door tableaux
- No additional supply units necessary, the device is supplied by item 700065.
- Optical signalling of the access authorization by multi-coloured LEDs
- Acoustic signalling of access authorization by buzzer
- Depending on the transponder the detection distance is ranged between 0 and 15 mm
- By using an RS485 connection, wire lengths of up to 200 m are possible between proximity reader and analysing unit, here no stub must be longer than 30 m.
- Integrated, switchable terminating resistor for RS485
- RFID analysis according to Mifare Classic standard in high frequency at 13,56 MHz
- Encryption algorithm Crypto 1
- To be used with SKS Transponder key rings 700066 and/or SKS transponder cards 700069
- Punching dimensions in the front panel/in the door tableau 40 x 40 mm or rather 40.3 x 40.3 mm in painted front panels
- Working temperature: -10 to +60°C

700065

### Analysing unit

Dimensions: 215 x 126 x 95 mm



- Manages data of up to 5.000 RFID transponders
- Stores 3000 incidents in the Analysing unit
- Ethernet interface for a comfortable and centralised management of various Analysing units
- Comfortable Windows PC management software included
- Individual time frames configurable for each RFID transponder
- Connection of up to 4 Proximity readers via RS485 BUS (total cable network of 200 m)
- 4 potential free relay switch contacts to feed door openers
- Save AES256 encoding of the Ethernet interface
- Save AES128 encoding of the RS485 interface
- Integrated switchable terminating resistor for RS485
- Voltage input 207–253 VAC/50Hz
- Voltage output 12V/200mA to supply external devices
- Housing: ABS industrial housing
- Working temperature: -10 bis +65°C

700068

### USB programming unit

Dimensions: 105 x 175 x 55 mm



- Comfortable programming of RFID transponder key rings and cards at the personal computer
- Connection between PC and programming unit via USB-interface
- Working temperature: -20 °C to +60 °C
- Protection type: IP20

### Note

Connected to an intercom no additional power supply is needed. If an access control system is offered on its own, it depends on the door opener/the door control, whether an additional component is needed for opening doors. When using an alternating voltage door opener (AC) item 300033 (Transformer 12VAC/1,5A,) and with a direct voltage door opener (DC) item 300071 (Switching power supply 12VDC) is needed.

We offer solutions-  
for each entry  
situation.

As individual as the  
architecture,  
as personal as the  
customer's  
imagination.

NST ARCHITEKTEN

## There are no limits to your imagination

Individual details such as protruding lettering, engravings and outlines make SKS door stations unique. We like to work out ideas together with you, concerning features, measurements and surfaces of your door station.

Be inspired by the flexible manufacturing of your personal unique product.

In the area of special solutions SKS put special emphasis on high-quality materials and workmanship. During manufacturing we focus on protecting the door station against vandalism.

10 mm thick name plates, stainless steel buttons with micro switch, name plate illumination via LEDs and complete pre-wired door stations (in combination with an SKS BUS system) leave nothing to be desired.

SKS door stations excel in short lead times in connection with an optimal value for money.

### Door station housings are available in the following varieties:

- Flush-mounted with 45 mm depth of housing, SKS recommend the version with angular frame, as the plaster cannot be damaged when opening the tableau
- We offer 60 mm deep cavity wall boxes for special installation situations
- Boxes with a depth of 30 mm for surface mounting (depending on the module built in additionally if wanted, 58 mm depth of box)
- Surface mounted audio sets for up to 12 residential units with a box depth of 18 mm (available in BUS technology)
- Opening at the bottom with a box depth of 62 mm (used in door side panels)

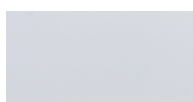
### Examples of materials for the individual creative freedom



Stainless steel brushed



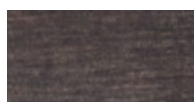
Aluminium in stainless steel looks



Aluminium silver anodized



Stainless steel mirror finish silver



Bronzed brass



Aluminium, free choice of RAL



Aluminium gold anodized



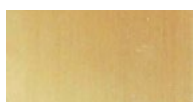
VA Titanium gold



Aluminium brown anodized



Aluminium black anodized



Brass brushed



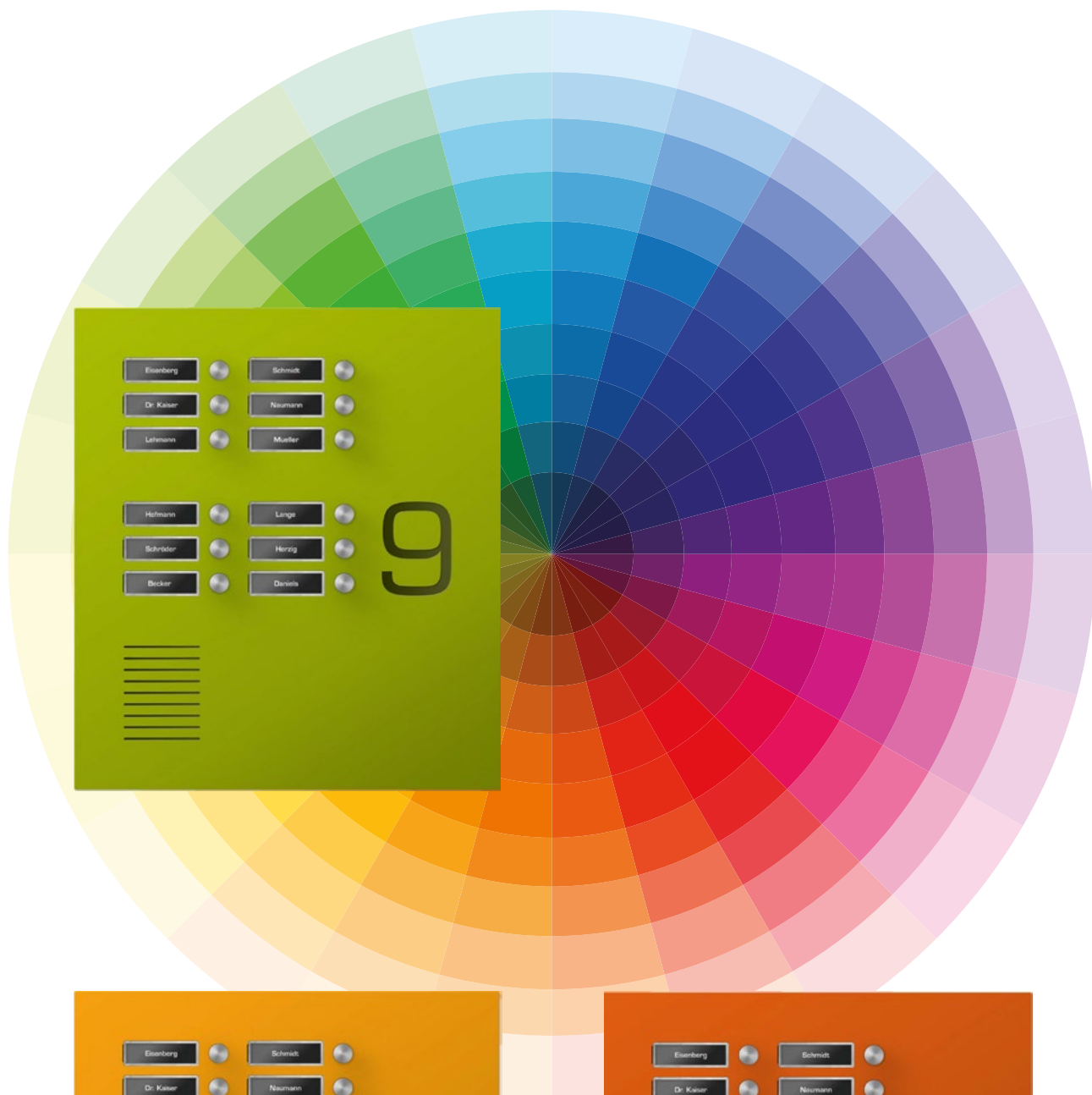
Brass polished

Variations in color are possible!



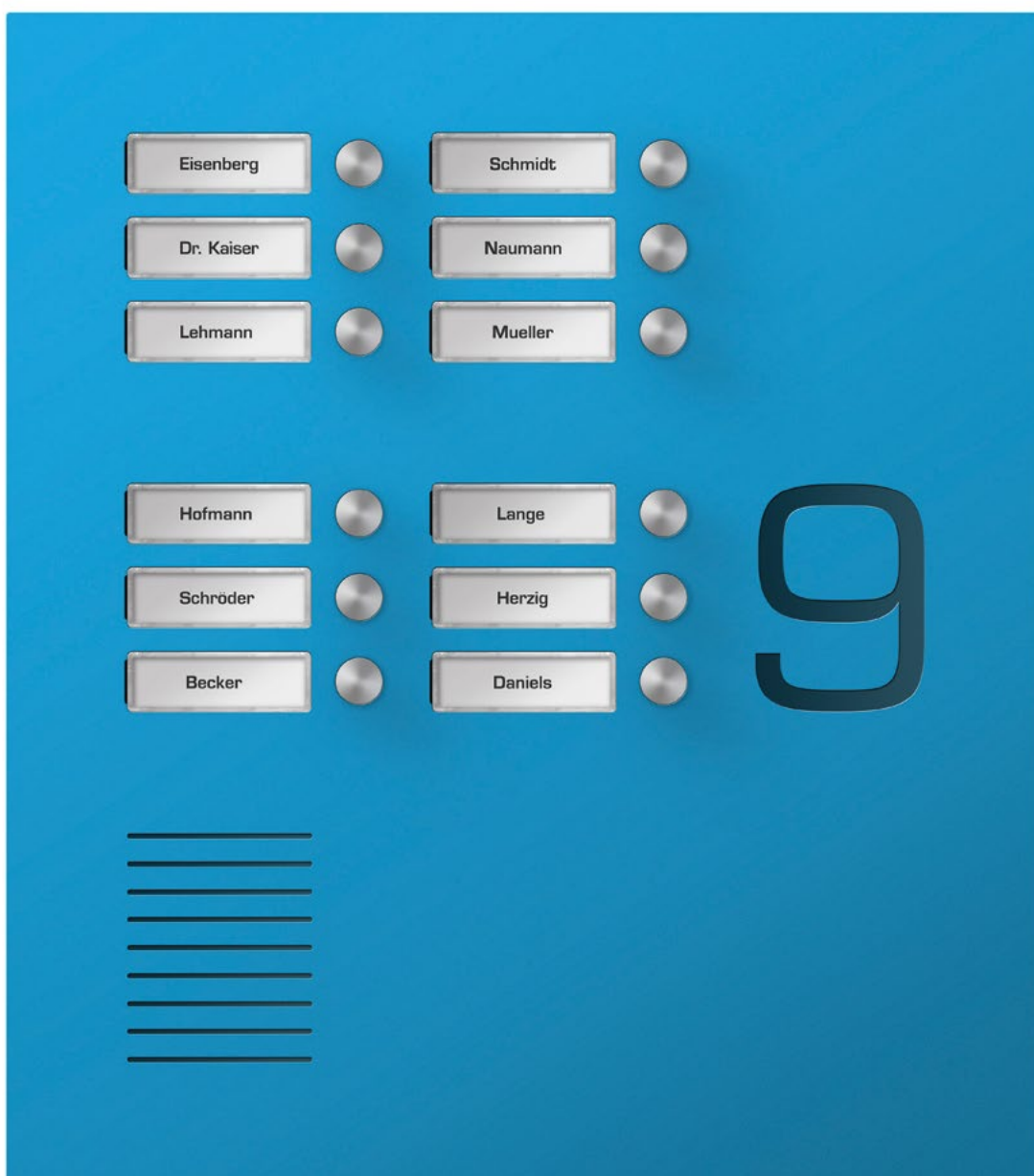
For an enquiry form see our website  
[www.sks-kinkel.de/inquiry-form](http://www.sks-kinkel.de/inquiry-form)





## Free choice of color according to RAL

There are hardly any limitations to the color design of our door stations: Thus the door station can adapt the color concept of the surrounding architecture or set their own colorful emphasis – according to your imagination.



Variations in color are possible. Images show door stations for the installation in door side panels.









Front panels aluminium anodized C33, matching the wooden surface, with flush mounted housing. The image shows concave stainless steel bell buttons with illuminated name plates which can be changed from the front as well as an illuminated house number (lasered, with inserted flush-mounted acrylic glass, illuminated in white)



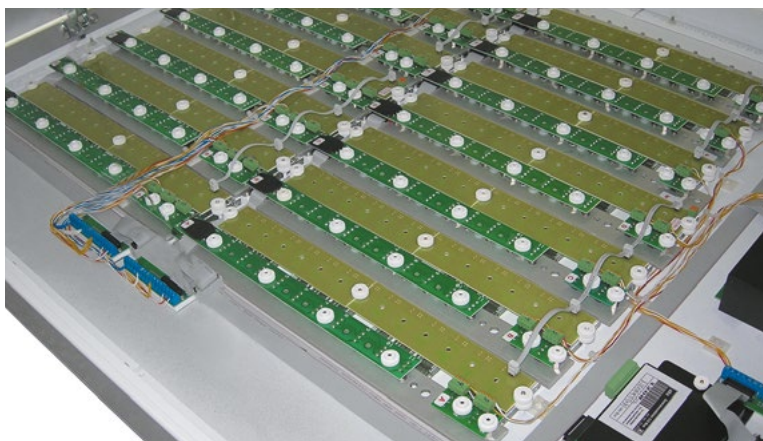
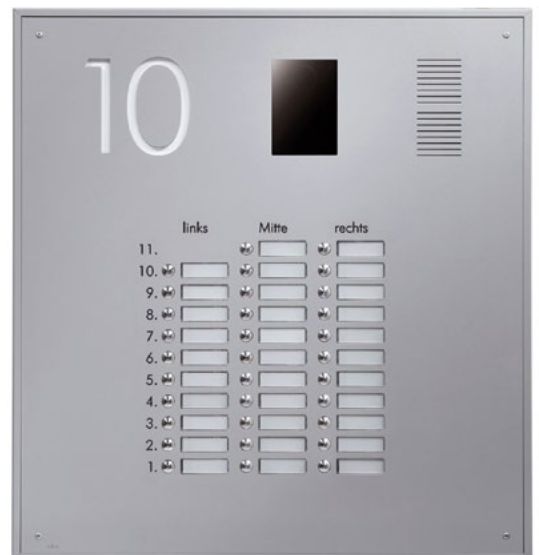
## Loud speaker grilles and pre-wired door stations



### Note

#### Loud speaker grilles

Further loud speaker grilles are on our website under:  
[www.sks-kinkel.de/door-stations/materials-and-colors/](http://www.sks-kinkel.de/door-stations/materials-and-colors/)



The image shows a pre-wired SKS door station

### Note

#### Easy handling

SKS door stations are equipped with catching strips for easy assembly, or, if required also with hinges or special locks. Hence when the door station is opened no wire can break.

Pre-wired door stations allow for a low-cost set up, as the SKS door call addresses are already configured.

## The ideal protection

SKS flush-mounted door stations with angular frame – the opening can be covered optimally and when the tableau is opened no plaster is damaged.

Front panel V2A stainless steel brushed grain 320 with angular frame (anodized in stainless steel looks), if required also available in V4A stainless steel +

SKS Status module almost barrier-free following DIN 18040 +

Stainless steel bell buttons protected against vandalism +

+ Color camera, flush-mounted

+ Loud speaker grilles (type A)

+ Name plate can be changed from front, with LED illumination



## Individual variety of design

We design our door stations individually according to your personal wishes and requests. A mature design pattern allows for a variety of solutions according to the preferred functional range and the size of the system.



### Front panel stainless steel, brushed, installed in a door side panel

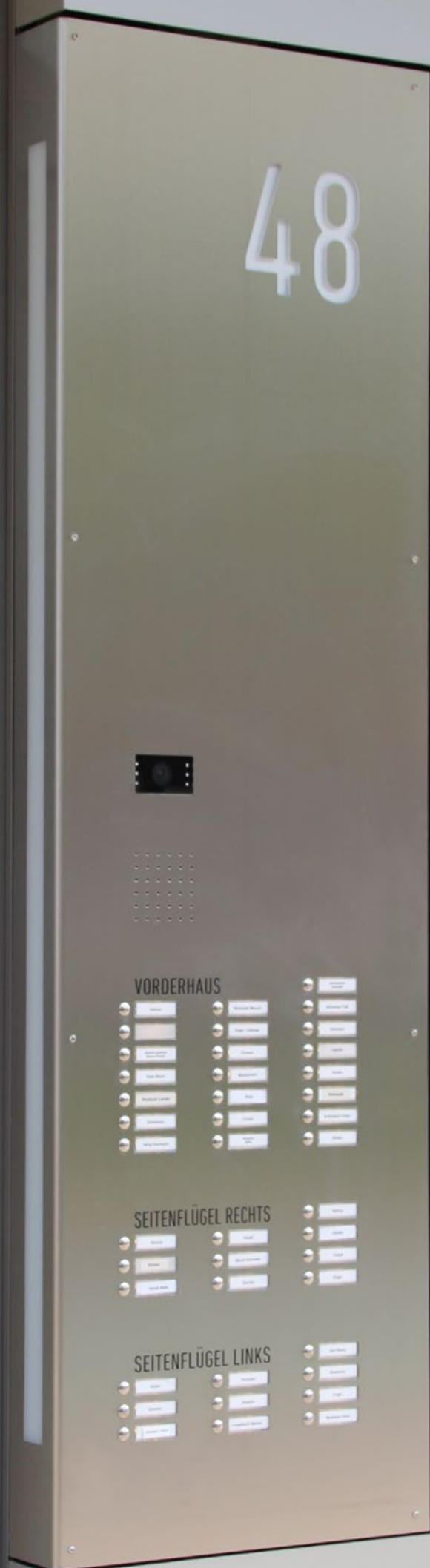
The image shows the COMFORT door station multitouch 10.1" as well as a illuminated house number (lasered, inserted with acrylic glass, illuminated in white)





Front panel aluminium powder-coated DB703, installed in a door side panel. The image shows concave stainless steel bell buttons with name plates that can be changed from the front which are illuminated as well as an illuminated street name (lasered, inserted with flush-mounted acrylic glass, illuminated in white) and engravings for the different floors.

Front panel stainless steel brushed, flush mounted with additional edge. The image shows concave stainless steel bell buttons with name plates that can be changed from the front which are illuminated as well as an illuminated house number (lasered, inserted with flush-mounted acrylic glass, illuminated in white) and engravings.





## SKS in innovative architectural concepts

Various entrance areas demand for individual solutions in design and kind of installation. An integration into various facades, as for example the installation in a door side panel is also possible.



**Front panel stainless steel brushed, installation in a door side panel**

The image shows a flush-mounted installation of the COMFORT door station multitouch 5.7



#### Flush-mounted system in special design

Horizontal post boxes, throwing in and removing at the front, frame for shadow gap, lettering engraved, anodized according to customer's request



## Post box systems

In-wall systems are installed in such a way that they disappear fully in the surrounding brickwork and are completely flush with the wall. The gap between brickwork and system is hidden by a plaster covering frame. For surface mounted systems the installation does not need any brickwork. The door side panel version hardly shows any weak points for vandalism. It is your choice.



### Freestanding system

Horizontal post boxes, throwing in and removing from the front, compact panels, powder-coated.

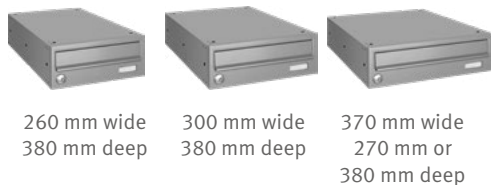
#### Note

For further information on our variety of post box systems such as surface-mounted, door side panel, in-wall and free-standing systems please see our post box catalogue under [www.sks-kinkel/kataloge](http://www.sks-kinkel/kataloge)

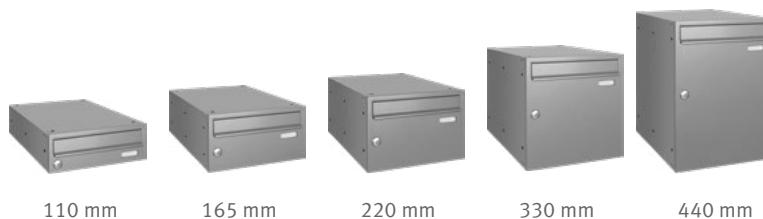
# Post box systems — box forms and sizes

## Horizontal boxes

### Widths and depths

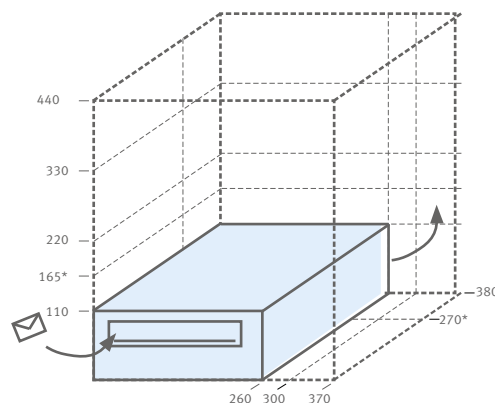
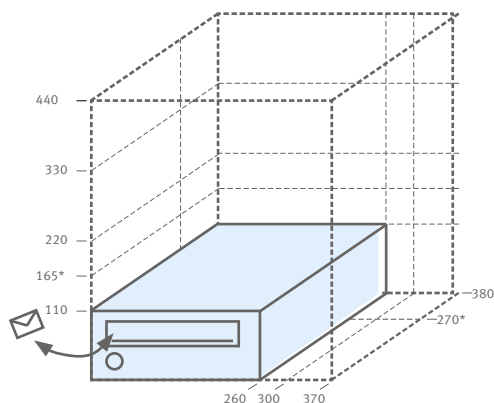


### Heights



**HA** Horizontal boxes, removal from front for surface-mounting, freestanding, in-wall and door side panel systems

**HP** Horizontal boxes, removal from back for freestanding, in-wall and door side panel systems



	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
HA2611	260	110	380	230	35	10
HA2622	260	220	380	230	35	21
HA2633	260	330	380	230	35	32
HA2644	260	440	380	230	35	43
HA3011	300	110	380	265	35	12
HA3017	300	165	380	265	35	18
HA3022	300	220	380	265	35	25
HA3033	300	330	380	265	35	37
HA3044	300	440	380	265	35	50
HA3711	370	110	270	325	35	10
HA3711T	370	110	380	325	35	15
HA3717	370	165	270	325	35	16
HA3722	370	220	270	325	35	21
HA3722T	370	220	380	325	35	30
HA3733	370	330	270	325	35	32
HA3733T	370	330	380	325	35	46
HA3744	370	440	270	325	35	43
HA3744T	370	440	380	325	35	61

	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
HP2611	260	110	380	230	35	10
HP2622	260	220	380	230	35	21
HP2633	260	330	380	230	35	32
HP2644	260	440	380	230	35	43
HP3011	300	110	380	265	35	12
HP3017	300	165	380	265	35	18
HP3022	300	220	380	265	35	25
HP3033	300	330	380	265	35	37
HP3044	300	440	380	265	35	50
HP3711	370	110	270	325	35	10
HP3711T	370	110	380	325	35	15
HP3717	370	165	270	325	35	16
HP3722	370	220	270	325	35	21
HP3722T	370	220	380	325	35	30
HP3733	370	330	270	325	35	32
HP3733T	370	330	380	325	35	46
HP3744	370	440	270	325	35	43
HP3744T	370	440	380	325	35	61

\* As standard boxes with a height of 165 mm are available only for boxes which are 300 or 370 mm wide and boxes that are 270 mm deep are available only for boxes which are 370 mm wide.

## Vertical boxes

### Widths



260 mm



300 mm



370 mm

### Heights



330 mm



440 mm

### Depths

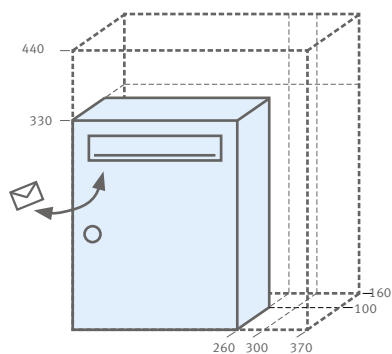


100 mm

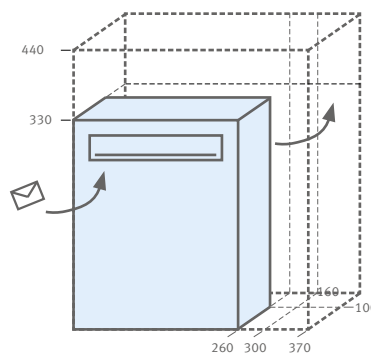


160 mm

**VA** Vertical boxes, removal from front for surface-mounting, freestanding, in-wall and door side panel systems



**VP** Vertical boxes, removal from back for freestanding, in-wall and door side panel systems



	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
<b>VA2644</b>	260	440	100	230	35	11
<b>VA2644T</b>	260	440	160	230	35	18
<b>VA3044</b>	300	440	100	265	35	13
<b>VA3044T</b>	300	440	160	265	35	21
<b>VA3733</b>	370	330	100	325	35	12
<b>VA3733T</b>	370	330	160	325	35	19
<b>VA3744</b>	370	440	100	325	35	16
<b>VA3744T</b>	370	440	160	325	35	26

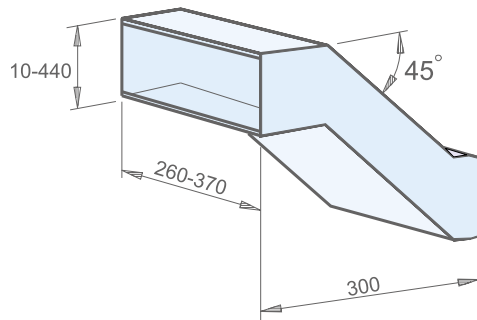
	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
<b>VP2644</b>	260	440	100	230	35	11
<b>VP2644T</b>	260	440	160	230	35	18
<b>VP3044</b>	300	440	100	265	35	13
<b>VP3044T</b>	300	440	160	265	35	21
<b>VP3733</b>	370	330	100	325	35	12
<b>VP3733T</b>	370	330	160	325	35	19
<b>VP3744</b>	370	440	100	325	35	16
<b>VP3744T</b>	370	440	160	325	35	26

### NOTE

**EN 13724  
KONFORM**

All post boxes offered by us comply with the norm EN 13724

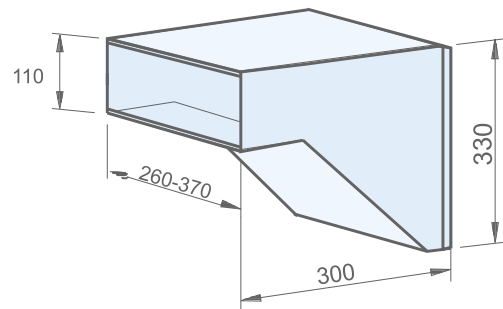
## Boxes especially for door side panels



**TIS**

Pass-through boxes, transversal, removal from back, especially for door side panels

	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
<b>TIS2611</b>	260	110	300	230	35	7
<b>TIS2622</b>	260	220	300	230	35	13
<b>TIS2633</b>	260	330	300	230	35	20
<b>TIS2644</b>	260	440	300	230	35	26
<b>TIS3011</b>	300	110	300	265	35	8
<b>TIS3022</b>	300	220	300	265	35	15
<b>TIS3033</b>	300	330	300	265	35	23
<b>TIS3044</b>	300	440	300	265	35	30
<b>TIS3711</b>	370	110	300	325	35	9
<b>TIS3722</b>	370	220	300	325	35	19
<b>TIS3733</b>	370	330	300	325	35	28
<b>TIS3744</b>	370	440	300	325	35	37



**SP**

Pass-through boxes, transversal (upper part straight), removal from back, especially for door side panels

	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
<b>SP2611</b>	260	110/330	300	230	35	16
<b>SP3011</b>	300	110/330	300	265	35	19
<b>SP3711</b>	370	110/330	300	325	35	20

### NOTE

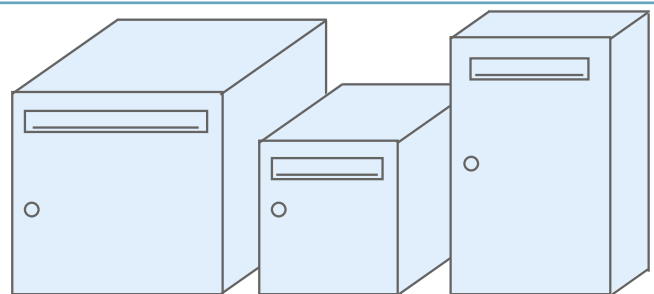
Pass-through boxes of series SP are the optimal addition for TIS post boxes in door side panels, as by combining the two a flush upper level is reached.

### NOTE

#### Boxes in special sizes?

Outside the standard we offer boxes in special sizes.

Just ask us!



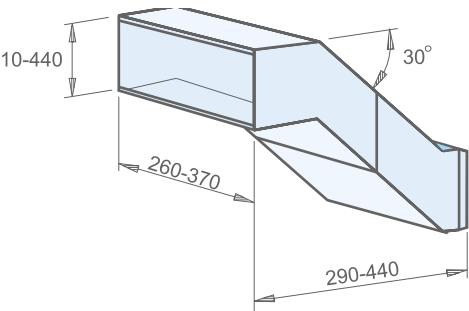
### NOTE

**EN 13724  
KONFORM**

All post boxes offered by us comply with the norm EN 13724



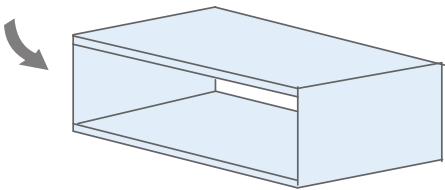
# Boxes especially for in-wall systems



**TI\*** Pass-through boxes, transversal, telescopic, removal from back, especially for in-wall systems

	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
TI2611	260	110	290-440	230	35	6-10
TI2622	260	220	290-440	230	35	12-20
TI2633	260	330	290-440	230	35	18-31
TI2644	260	440	290-440	230	35	24-41
TI3011	300	110	290-440	265	35	7-11
TI3022	300	220	290-440	265	35	14-23
TI3033	300	330	290-440	265	35	21-35
TI3044	300	440	290-440	265	35	28-47
TI3711	370	110	290-440	325	35	8-14
TI3722	370	220	290-440	325	35	17-29
TI3733	370	330	290-440	325	35	26-44
TI3744	370	440	290-440	325	35	35-58

\* TI-boxes EN compliant from a depth of 330 mm

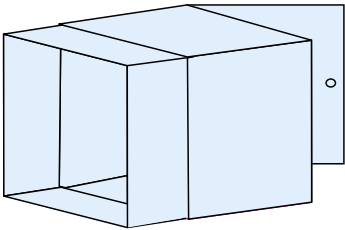


## NOTE

We offer adapters for our TI-boxes with a height of 110 mm to maximise the extension.

	Depth	matching for
18506	260 mm (Maximises the length to 700 mm)	TI2611
17129	260 mm (Maximises the length to 700 mm)	TI3011
17130	260 mm (Maximises the length to 700 mm)	TI3711

**HPTI** Straight, extendable boxes, removal from back, especially for in-wall boxes



	Box dimensions in mm (w x h x d)			Feeding slot in mm (w x h)		Volume in litres
HPTI2611	260	110	525-660	230	35	14-18
HPTI3011	300	110	525-660	265	35	16-21
HPTI3044	300	440	525-660	265	35	66-87
HPTI3711	370	110	525-660	325	35	20-26

## Individual design

Experience the innovative special solutions by SKS in its aesthetics and variety. We manufacture the matching solution for your individual design requests.



**Front panel aluminium powder-coated RAL 7012 basalt grey, flush-mounted with additional edge left and right.**

The front panel shows the flush-mounted installation of the COMFORT door station multitouch 5.7". Front panel on the right with illuminated house number in special lettering (lasered, inserted with flush-mounted acrylic glass, illuminated in white)

## Steles

A stele is the ideal solution, to offer access independently from walls or facades. With you we gladly work out ideas on features, measurements or surfaces of your steles and post box systems – be inspired by our flexible manufacturing of your personal unique stele.



Stele stainless steel brushed with SKS COMFORT door station with 10.1" touch display

Stele powder-coated RAL with SKS COMFORT door station with 5.7" multitouch display and post box



- 800357** (100008-b) brown
- 800358** (100008-g) crystal clear
- 800359** (100008-s) silver
- 800360** (100008-w) white

**Push button small,  
with micro switch**

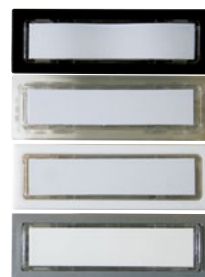
External dimensions: 65 x 22 mm  
Punching dimensions: 62 x 18 mm



- 800384** brown
- 800381** crystal clear
- 800368** silver
- 800362** white

**Push button small,  
with micro switch and  
LED illumination**

External dimensions: 65 x 22 mm  
Punching dimensions: 62 x 18 mm



**800817**

**Bell button stainless steel  
with flat edge**

Max. operating voltage 12 V  
IP65  
External dimensions: Ø 22 mm  
Punching dimensions: Ø 19 mm



**800673**

**Anti-vandalism concave bell  
button with feather, V2A**

External dimensions: Ø 16 mm  
Punching dimensions: Ø 14 mm



**800402** (100005)

**Indented bell button  
chromium-plated  
(for KINI door stations)**

External dimensions: Ø 20 mm  
Punching dimensions: Ø 15 mm



**800383** (100036)

**Light button silver with LED**

Max. operating voltage 12 V  
External dimensions: Ø 22 mm  
Punching dimensions: Ø 16,2 mm



**600027** (81310)

**Bell button plate  
stainless steel**

(Attachment is invisible with two holes in the wall, the supplied dowels are simply inserted and, using the bolts enclosed and threads on the back, the plate is firmly connected to the wall.)

Dimensions: 85 x 85 x 6 mm







When ordering please indicate the **plate number** as printed inside the door station.

800412

### Name plate holder for anti-vandalism door stations

Exchange from back  
Punching dimensions: 55 x 18 mm

**Name plate holder**

**Name plate inlay (800406)**  
(Dimensions: 59 x 18 mm)



800414

### Name plate holder for anti-vandalism door station

Exchange from front, not flush  
External dimensions: 59 x 23 mm  
Punching dimensions: 57 x 20 mm

**Name plate holder**

**Name plate inlay (800409)**  
(Dimensions: 49 x 13 mm)



800413

### Name plate holder for anti-vandalism door station

Exchange from front, suitable for tableaux with little space requirements  
Punching dimensions: 55 x 18 mm

**Name plate holder**

**Name plate inlay (800408)**  
(Dimensions: 52 x 15 mm)



800602

### Tandem name plate holder

Exchange from back  
Punching dimensions: 81 x 18 mm

**Name plate holder**

**Name plate inlay (800601)**  
(Dimensions: 84 x 18 mm)



800746

### Name plate holder universal for anti-vandalism door station

Exchange from front, for 1-4 mm thick materials, incl. 3 adapters  
Punching dimensions: 55 x 18 mm

**Name plate holder**

**Name plate inlay (800408)**  
(Dimensions: 52 x 15 mm)



901193

### Name plate holder for series Basic line

Exchange from front  
Punching dimensions: 70,3 x 20 mm

**Name plate holder**

**Name plate inlay (901297)**  
(Dimensions: 65,5 x 16 mm)



800410

### Name plate holder for KINI door station

Exchange from back  
External dimensions: 60 x 21 mm  
Punching dimensions: 56 x 16 mm

**Name plate holder**

**Name plate inlay (800407)**  
(Dimensions: 55 x 13 mm)

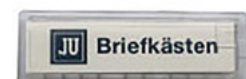


800411

### Name plate holder with name plate inlay

Exchange from front, for JU post box systems  
External dimensions: 67 x 22 mm  
Punching dimensions: 60 x 19 mm

**Name plate holder with inlay**

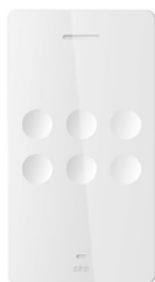


For removal tools see page 77

300098

### Basic BUS bell

Dimensions: 80 x 150 x 13 mm



The BUS bell is connected to the SKS BUS with 2 wires. Using the DIP switch the same call address is set as on the indoor station. When a door call comes in both indoor station and BUS bell play the chosen ringtone.

- Compatible with BUS bell 300006
- Ringtones and volume adjustable
- Ringtone matching with all SKS indoor stations
- Surface-mounted
- Not suitable for outside
- Working temperature: -10 °C bis +65 °C
- Protection type IP20

300097

### Basic additional loudspeaker

Dimensions: 80 x 150 x 13 mm



The additional loudspeaker is connected to an existing indoor station. The additional loudspeaker can be used for the SKS indoor stations series HT4500, T4600, HTV4600, HT925, HT926, HT7105 and HT3500. When a house or door call comes in, both the indoor station and the additional loudspeaker play the same ringtone.

- Compatible with additional loudspeaker 300045
- Same ringtone as the indoor station (only loudspeaker)
- Up to 3 wires to the indoor station are needed
- Surface-mounting (not suitable for outdoors)
- Working temperature: -10 °C bis +65 °C
- Protection type IP20

800765

### Radio bell set for sockets with transmitter and receiver

Dimensions receiver: 50 x 122 x 38 mm  
Dimensions transmitter: 30 x 16 x 7 mm



Using the radio bell SKS indoor stations can be extended by a mobile component. The radio bell can be worked on its own or in connection with the SKS indoor stations series HT4500, HT4600, HTV4600, HT926, HT7105 and HT3500 without any additional components. For all other SKS door stations the radio bell can be used in connection with the BUS actuator module FM 300095 (see page 24). The transmitter can be installed discreetly in the smallest of spaces. The receiver can be plugged into any socket and signals incoming calls both acoustically and optically. The duration of the ringtone melody can be set between 7 seconds and 1 minute.

#### Radio transmitter:

- Nominal input voltage: 5 to 24 VAC/6 to 32 VDC
- Nominal input power: 0,4 W (active)
- Range 150 metres in open field
- Working temperature: -20 °C to +60 °C

#### Radio receiver:

- Nominal input voltage: 230 VAC, 50 Hz
- Nominal input power: 0,3 W (standby)
- 3 ring tones
- Volume can be changed in 2 steps
- Optional flashlight for the hearing-impaired
- Working temperature (receiver): -20 °C to +35 °C
- Protection type IP20

**Video indoor stations SKS BUS**

Item No.	Original item no.	Description
100018		Indoor station il vetro video, hands-free, 2-wire, white
100020		Indoor station il vetro video, hands-free, 6-wire, black
100021		Indoor station il vetro video, hands-free, 6-wire, white
100049		Indoor station DS2010 video, receiver, 6-wire, white, with image storage function
100052		Indoor station DS2010 video, hands-free, 6-wire, black
100055		Indoor station DS2010 video, receiver, 2-wire, white
100057		Indoor station DS2010 video, receiver, 6-wire, white
100058		Indoor station DS2010 video, hands-free, 2-wire, white glossy
100059		Indoor station DS2010 video, hands-free, 6-wire, white glossy
100060		Indoor station DS2010 video, hands-free, 2-wire, white glossy, with image storage function
100061		Indoor station DS2010 video, hands-free, 6-wire, white glossy, with image storage function
100037		Indoor station HTV4600 video, receiver, 2-wire, plastic white
100073		Indoor station HTV4600 video, b/w, receiver, 6-wire, plastic white (as replacement for 4505-VB - please contact our support)
100063		Indoor station CASA video, hands-free, 6-wire, silver, with image storage function
100067		Indoor station CASA video, hands-free, 6-wire, white, with image storage function

**Audio indoor stations SKS BUS**

Item No.	Original item no.	Description
200003		Indoor station il vetro audio, hands-free, black
200004		Indoor station il vetro audio, hands-free, white
200022		Indoor station DS2010 audio, hands-free, black
200024		Indoor station DS2010 audio, receiver, black
200025		Indoor station DS2010 audio, receiver, white
200026		Indoor station DS2010 audio, hands-free, white glossy
80080105		Adapter plate for covering the outline of the HT4500 in connection with BS2012 audio hands-free and HT4600 Dimensions: 90 x 230 x 3 mm

**!** You may also order via our SKS online shop under [www.shop.sks-kinkel.de](http://www.shop.sks-kinkel.de)

**SKS BUS accessories, audio/video**

Item no.	Original Item no.	Description
800147	513-A	Emergency speaker FDE, white
300048	4808-4503	Control module 4808 in the housing of control module 4503
300027	4808-4001	Control module up to 2 RU*
300052	4808-4001 from 3 RU	Control module up to 3 RU*
300003	4811	Series impedance
300036	4502-850	Transformer for video systems
300059	754-V2	Video power supply 6-wire video
30005901		Video power supply 4 cameras 6-wire video
30005910		Video power supply 8 cameras 6-wire video
800661	755-V	Door switch for 6-wire video technology from 4 entrances on
300016	4813-V2	Floor controller
300009	4803	BUS driver for up to 48 residential units
300023	SIP06	Switch interface for HTV4600, HT4600, HT4500, BS2012
300019	LSI06	Light signal interface for HTV4600, HT4600, HT4500, BS2012
800776		Battery for FDE and access control devices
800324	820-C	Built-in camera, 6-wire
300094		2-wire video compact power supply
300060		Combined camera/speech module 2-wire video technology for individual SKS door stations
300083		Combined camera/speech module 2-wire video technology for SKS set door stations
300025	4807	Star distributor
300044	4809	Door station coupler
300017	4832	Floor distributor
300002	4812	2-wire series impedance
300014	825-C	Built-in camera, 2-wire
300000	4815	Video transmitter
300004	825-M	2-wire video converter (to connect external cameras to the 2-wire video BUS system)
300005		Motion sensor
300039	4817	Video receiver

**BUS series 942D (2203)**

Item no.	Original Item no.	Description
800250	HT942D	House telephone 2-wire BUS, series VX2000, white
800156	VX2203D	Built-in loudspeaker with amplifier

**!** You may also order via our SKS online shop under [www.shop.sks-kinkel.de](http://www.shop.sks-kinkel.de)



**1+n technology series HT925/HT926**

Item no.	Original Item no.	Description
800234	HT925-S-2-MS	House telephone HT925, 1+n, with muting, white
800235	HT95-S-2-MSP	House telephone HT925, 1+n, with muting and potentiometer for regulation of volume, white
800231	HT926	House telephone HT926, 1+n for parallel operation, white (Dimensions: 82 x 193 x 25 mm)
800238	HT926-S-2-MS	House telephone HT926, 1+n, with muting, white (Dimensions: 82 x 193 x 25 mm)
800651	835-2	Door loudspeaker 1+n
800653	835-2-ML	Door loudspeaker 1+n, ML version
800490	835-3	Board door loudspeaker 1 + n
80080105		Adapter plate for covering the outline of the HT925 in connection with HT926 Dimensions 90 x 230 x 3 mm

**Accessories 1+n technology**

Item no.	Original Item no.	Description
800141	2503-10	Diode matrix for up to 10 users
800142	2503-14	Diode matrix for up to 14 users
800143	2503-20	Diode matrix for up to 20 users
800518	SIP05	Switching interface (for series HT925 and 926)
300023	SIP06	Switching interface for HTV4600, HT4600, HT4500, BS2012
300019	LSI06	Light signal interface for HTV4600, HT4600, HT4500, BS2012
300033	322	Transformer 12 VAC/1,5 A

**SKS Universal telephone HT8039 (4-wire technology)**

Item no.	Original Item no.	Description
800668	8039	Universal telephone HT8039 (4-wire technology)

**Intercom series GF/GVV**

Item no.	Original Item no.	Description
800367	LS1	Loudspeaker installation kit in housing 16 Ohm/1W
800723	GF30-weiß	Intercom GF30, white
800740	GV33-2	Central amplifier with control electronics GV33
800430	1109(GT3182)	Power transformer for switchboard installation or surface-mounting
800729	GF55-weiß	Intercom GF55, white
800739	GV55	Central amplifier with control electronics GV55
800429	1035(ST3630)	Power transformer for switchboard installation or surface-mounting
800365	LS2	Loudspeaker

**Indoor stations 3+n technology HT3500**

Item no.	Original Item no.	Description
800227	1147-3H	Door call module (signal tone generator for ZV 1103/1.1)
800266	HT3500-1-MS	House telephone 3+n, with privacy function, with muting
800680	ZV1103-1.1	Amplifier for SKS-HT 3500-1 (3+n)

### Removal tools, screws, keys, buttons

Item no.	Original Item no.	Description
800008	100024	2-hole screw
800009	100021	2-hole wrench
800632	100022-16	TORX screw M4, length 16 mm
800634	100022-25	TORX screw M4, length 25 mm
800635	100022-30	TORX screw M4, length 30 mm
800637	100022-40	TORX screw M4, length 40 mm
800640	100019	TORX wrench M4
800640-B		TORX wrench M4 angle
800164	100030	Removal tool for items 800413, 800414, 800746 and 901193
800165	100030-COMFORT	Removal tool for COMFORT door stations
800781		Opening tool for Basic line door stations
800348	100002	Bell button stainless steel - external dimensions: ø 22 mm/Punching dimensions: ø 18 mm

### Post box locks/Post box keys

Item no.	Original Item no.	Description
800763		Post box cylinder lock with flat front surface, with 2 keys
800109	100041	Post box key for standard cylinder lock (3- or 4-digit number/letter combination, starting with B). If 2 keys are required, please specify when ordering!

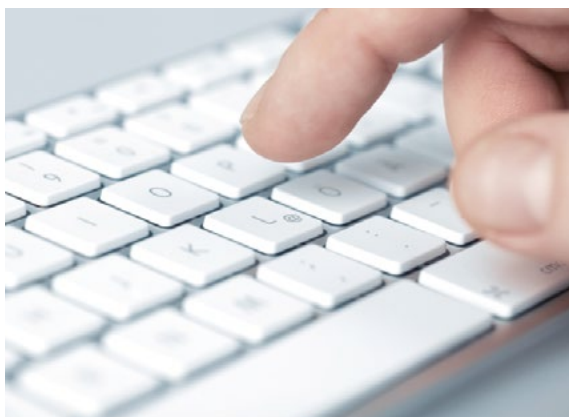
### Door openers

Item no.	Original Item no.	Description
700044	30.1.03.B	Door opener without unlocking
700043	31.1.03.B	Door opener with mechanical unlocking
700050	32A.1.03.B	Door opener unlocking via internal retaining spring (leaf spring)
700040	30.1.03.E	Door opener electronically protected
700071		NC circuit door opener (for escape route doors)

**!** You may also order via our SKS online shop under [www.shop.sks-kinkel.de](http://www.shop.sks-kinkel.de)

## Service is our top priority!

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### Inquiry form

Inquire about your customized, personal door station with our interactive inquiry form.

[www.sks-kinkel.de/inquiry-form](http://www.sks-kinkel.de/inquiry-form)



### Training

We show you how it works!  
Make use of the trainings we offer which are specially customized to your projects

Please register under:  
[www.sks-kinkel.de/trainings](http://www.sks-kinkel.de/trainings)



### SKS Specialists

We accompany you all the way to the final, properly working door station. Well-trained SKS internal technicians are happy to assist.

**Please do contact us for any further questions.**

# SKS General terms and conditions (GTC)

## 1. Scope

- 1.1 The customer receives from SKS-Kinkel Elektronik GmbH (hereinafter SKS) the contractual objects and services specified in the respective contract under the following general terms and conditions (hereinafter GTC).
- 1.2 Customers in the sense of these GTC are exclusively entrepreneurs according to § 14 BGB.
- 1.3 All deliveries and services are made exclusively on the grounds of these GTC. These are part of all contracts, SKS conclude with their customers for the contractual objects and services offered. This also applies in the event that their validity is not separately agreed upon again.
- 1.4 Conflicting or deviating general terms and conditions or other restrictions of the customer do not become part of the contract, unless SKS has expressly agreed to them individually in writing before the contract is concluded.

## 2 Object of performance

- 2.1 The customer purchases from SKS the mechanical or technical equipment for the respective purpose as described in the contract (hereinafter hardware).
- 2.2 The agreed quality of the hardware finally results from the enclosed product description. The technical data, specifications, explanations of the functions and possible uses as well as any other information in the product description enclosed are to be understood solely as a description of the quality within the meaning of Section 434 (1) BGB and not as an independent guarantee, quality guarantee or durability guarantee.
- 2.3 The provision of additional services is not part of the contract and requires a separate agreement. The applicable hourly rates, flat rates and contractual terms are communicated on request.

## 3 Conclusion of the contract

- 3.1 The offers from SKS are subject to change and non-binding.
- 3.2 The contract with SKS is concluded by a written confirmation of the offer from the customer. Additional oral agreements are ineffective.

## 4 Prices and terms of payment

- 4.1 The price list issued by SKS is non-binding.
- 4.2 The prices quoted by SKS in the respective offer are decisive. Unless otherwise agreed, these are valid for up to 30 days after the offer has been issued.
- 4.3 Repair services are invoiced according to the actual time needed on an hourly basis. A non-binding cost estimate is only issued on the customer's explicit request.
- 4.4 The amount invoiced is due and payable at the day the invoice is issued.
- 4.5 The customer can offset undisputed or legally binding claims only or exercise a right of retention. Because of defects, the customer may withhold an appropriate amount of the remuneration and only if the defect is beyond doubt. The customer has no right of retention if his claim for defects has already lapsed.
- 4.6 SKS is authorized, to firstly offset the customer's payments with older debts. If costs and interest have already arisen, SKS is entitled to offset the payment first against the costs, then against the interest and finally against the main claim.

## 5 Shipping and other costs

- 5.1 For orders over 150.00 EUR including VAT shipping within Germany (Islands excluded) is free for the customer, as long as the consignment is suitable to be sent by regular post.
- 5.2 For orders lower than the amount stated under point 5.1 the customer is invoiced shipping costs of 7.90 EUR including VAT as well as a minimum quantity surcharge of 6.00 EUR including VAT.
- 5.3 For repairing services special shipping costs listed in the respective offer may apply, unless the service is rendered at the customer's site. Here the customer has to bear all shipping costs, regardless of the amount of invoice.
- 5.4 In case of return the customer has to bear all shipping costs incurring.

## 6 Time of delivery and performance

- 6.1 Delivery shall be made at the risk and expense of the ordering party without insurance ex works Hof.
- 6.2 The delivery period begins with the dispatch of the order confirmation and after receiving all documents required for the execution of the order, agreed down payments and any consent of the other contracting party in the execution documents. It ends on the day on which the item of delivery leaves the SKS plant or is stored due to impossibility of delivery or in the event of non-payment in the case of an agreed advance payment. If the other contracting party requests changes to the order after the order has been confirmed, the new delivery period only begins when the modified order confirmation is sent by SKS.
- 6.3 If SKS does not meet an agreed deadline due to a circumstance for which SKS is responsible, the other contracting party is obliged to set a reasonable grace period for the delivery. After this expires, the other contracting party is entitled to withdraw from the contract. Damages can only be claimed up to the amount of the order.
- 6.4 SKS is not responsible for delays in delivery and performance due to events that make delivery significantly more difficult or impossible – this also includes subsequent difficulties in the procurement of materials, operational interruptions, strikes, lockouts, official orders, etc., even if they affect suppliers or sub-suppliers of SKS – even with bindingly agreed fixed dates. They authorize SKS to postpone the delivery or service for the duration of the impediment plus a reasonable start-up time or to withdraw from the contract in whole or in part because of the part not yet fulfilled.
- 6.5 In case the impediment lasts longer than three months, the other contracting party is entitled to withdraw from the contract with respect to the part not yet fulfilled after setting a reasonable grace period. Compensation cannot be claimed.
- 6.6 SKS is entitled to partial deliveries and partial services at any time, unless the other contracting party would be unduly disadvantaged by this.

## 7 Redemption

- 7.1 If agreed, SKS will take back the contractual items ordered by the customer within a maximum of 1 month after delivery (date of the delivery note). The return delivery must be registered using the SKS returns form. Credit is made for the entire value of the goods plus statutory value added tax if the seal is intact. If the seal is broken, the credit is reduced by 20% of the originally calculated value of the goods plus statutory VAT.
- 7.2 Only brand new, unused and originally packed contractual items can be taken back.
- 7.3 Contract objects specially manufactured for the customer are excluded from return.

## 8 Obligation of inspection and notification

With regard to all deliveries by SKS, the customer has an obligation to inspect and give notice of defects in accordance with § 377 HGB.

## 9 Defects in quality and title

- 9.1 In the event of quality defects, SKS initially guarantee subsequent performance. For this purpose SKS either leave the customer with new and defect-free hardware or remedy the defect; remedy of defects also applies if SKS show the customer reasonable options for avoiding the effects of the defect.
- 9.2 In the event of title defects, SKS initially guarantee subsequent performance. For this purpose SKS provide the customer with a legally flawless possibility to use the delivered hardware or of an exchanged or modified equivalent hardware.
- 9.3 SKS is authorized to make the subsequent performance dependent on the fact that the customer has paid at least a reasonable part of the amount invoiced.
- 9.4 The customer is obliged to accept the new hardware if the contractual scope of functions is retained and if the acceptance does not lead to significant disadvantages.

9.5 If two (2) attempts at subsequent performance fail, the customer is entitled to set a reasonable grace period to remedy the defect. Doing so he must explicitly and in writing point out that he reserves the right to withdraw from the contract and/or to claim damages if another failure occurs.

9.6 If the subsequent performance also fails in the grace period, the customer can withdraw from the contract or reduce the invoice amount, unless there is an insignificant defect. SKS pay compensation or reimbursement of futile expenses due to a defect within the limits specified in these terms and conditions.

9.7 In case SKS provide services to search for or eliminate defects without being obliged to do so, SKS can claim remuneration for this in accordance with the usual rates. This applies in particular if a defect cannot be proven or cannot be attributed to SKS. The additional effort on the part of SKS, which arises from the fact that the customer has not properly fulfilled his obligations, must also be reimbursed.

9.8 From other breaches of duty by SKS the customer can only derive rights if he has notified SKS in writing and has granted a grace period for remedy. This does not apply if due to the nature of the breach of duty a remedy is out of the question. For damages or reimbursement of futile expenses the limits set out in these terms and conditions shall apply.

9.9 For just an insignificant deviation of the contractual agreed condition no claims because of quality defects may be put forward. Claims because of defects are also not legitimate in the case of excessive or improper use, natural wear and tear, failure of components in the system environment, non-reproducible or otherwise demonstrable software errors or damage caused by special external influences that are not condition of the contract. This also applies if components are used together with products that have not been supplied by SKS and are therefore not system-compliant (in particular the integration of third-party components into the SKS BUS system or powering third-party components with the system voltage supply of the SKS BUS), as well as for modification or repair by the customer or third parties.

## 10 Statute of limitations

- 10.1 The statute of limitation for all warranty claims is 24 months and begins with the delivery of the hardware.
- 10.2 In the event of intent or gross negligence on the part of SKS, fraudulent concealment of a defect, personal injury or defects of title in the sense of section 438 (1) no. 1a BGB as well as for guarantees in the sense of section 444 BGB the legal statute of limitation applies, as well as for claims under the Product Liability Act.

## 11 Retention of title

- 11.1 The objects of the contract remain the property of SKS until all claims, including secondary claims, claims for damages and cashing of checks and bills of exchange, have been paid in full.
- 11.2 The customer hereby assigns any claims, including accessory claims, of the customer against third parties arising from resale or any other legal ground to SKS for collateralisation, even insofar as the reserved goods are processed or installed. In the latter case the said assignment comprises the value of the reserved goods in proportion to that of the goods as a whole.
- 11.3 As long as the customer meets his payment obligations towards SKS, he is authorized to collect the claims assigned to SKS on behalf of SKS in his own name. At the request of SKS, the customer will inform about the status of the assigned claims at any time. SKS accept the assignment of claims.
- 11.4 SKS only bear the risk of non-delivery by third parties if the order has not been placed with the supplier in good time or if SKS can otherwise be held responsible for this.

## 12 Copyrights

- 12.1 The documents provided to the customer in the form of instruction manuals, illustrations, drawings and product descriptions are protected by copyright.
- 12.2 The customer may use the works protected by SKS only to carry out the contractual relationship. Further uses such as physical recycling or public display for purposes other than to carry out the contractual relationship are not permitted.
- 12.3 Instruction manuals, illustrations, drawings and product descriptions especially made for the customer must be returned unrequested if the contract is not concluded. The cost for the return – in particular shipping costs – must be paid by the customer.
- 12.4 The user has the non-exclusive right to use standard software and firmware in unchanged form with the agreed performance features and on the agreed devices. The purchaser may make a backup copy of the standard software without express agreement.

## 13 Liability

- 13.1 SKS is only liable for intent and gross negligence up to the value of the respective amount of the invoice.
- 13.2 SKS serves the right to object of contributory negligence.
- 13.3 The limitation period complies with the legal requirements.

## 14 Privacy and confidentiality

- 14.1 The customer and SKS are obligated to treat all confidential information obtained within the framework of the contractual relationship – especially business and trade secrets confidentially for an unlimited time. The recipient of confidential information is in particular prohibited making confidential information available to third parties or allowing third parties access to it.
- 14.2 The customer must ensure that the repair of hardware by SKS complies with the data protection regulations and in particular the formal requirements for order processing in accordance with Art. 28 GDPR.

## 15 Final clauses

- 15.1 Place of performance is the place of business of SKS.
- 15.2 German law applies exclusively, excluding the provisions of the UN Sales Convention.
- 15.3 The exclusive place of jurisdiction for all disputes arising from or in connection with the contractual relationship is the registered office of SKS.
- 15.4 Should a provision of this contract be or become ineffective, contain an inadmissible time limit or a gap, the legal validity of the remaining provisions remains unaffected.

State: 06.02.2020

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The GTC printed here are up to date at the time of printing.

In case we change our GTC, the latest version is made available under [www.sks-kinkel.de/agb/](http://www.sks-kinkel.de/agb/)





