



— Innovation Show

Light switches – a new way
to experience design and function
Alexander Hafner

carat[®]

Clearly defined understatement

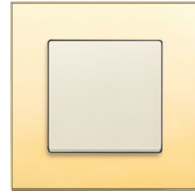


Clearly defined understatement

carat® makes a clear commitment to top-class design. Crystal-clear shapes and contrasting colours support a discreetly uncluttered interior design.



Mounting kits for carat® flat enable flush-mounted installation of the carat® series



02

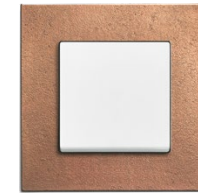


03

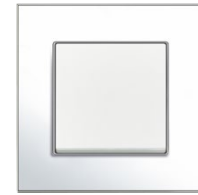
- 01 studio white / white glass
2gang combination switch / socket outlet
- 02 ivory white / gold (24 carat)
- 03 anthracite / stainless steel
- 04 black matt / porcelain anthracite
- 05 studio white / glass black
- 06 studio white / bronze
- 07 studio white / chrome



05



06



07



01

NEW



04

carat® From clear to extravagant

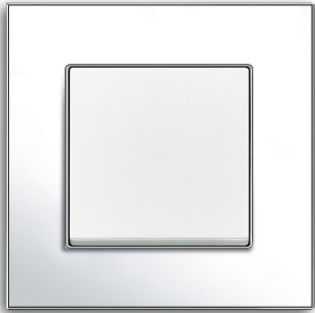
carat® unites straight lines and authentic materials in an independent object. The independence which can be admired in this switch series meets the requirements of sophisticated architecture.



carat[®]
Overview



white glass¹



chrome¹



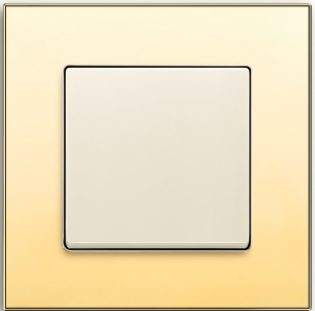
stainless steel¹



porcelain anthracite ¹



black glass¹



gold¹



bronze¹

carat[®]

Main applications & functions

carat®

Main applications & functions

carat®

- High end and luxury residential buildings
- High end and luxury residential hotels
- High end and luxury commercial application
- Includes all functions (platform 63)
 - CWA mechanics - switches, sockets, VDI ...
 - CWA electronics - dimmer, audio, RTC ...
 - BA user operations - KNX, ABB-free@home
- Markets: Range 60 markets at CEU region + selected projects at markets like UAE, CN, ... region

Individual Houses



Residential



Commercial



Hotel



carat®

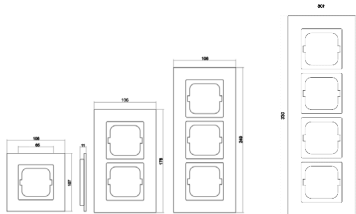
Key information

High-quality materials and modern accents

For individualists who prefer unique pieces, the carat® range has been expanded to include the real material porcelain.

Versatile use

This switch range is available in 1gang to 3gang cover frames. They can be mounted vertically or horizontally.



Flat mounting

Flat flush mounting for all carat® frames possible



Full functionality

Compatible to platform 63 incl. KNX, ABB-free@home, VDI, hospitality etc.



carat®

Color/material overview

carat®

Color/material overview

carat® | white glass

Material: glass

Available colors:

- white glass -811

Available in 1 to 4gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-811	2CKA001754A4442	Cover frame 1gang
1722-811	2CKA001754A4443	Cover frame 2gang
1723-811	2CKA001754A4444	Cover frame 3gang
1724-811	2CKA001754A4445	Cover frame 4gang

Recommended rocker:



studio white

-84

carat®

Color/material overview

carat® | glass black

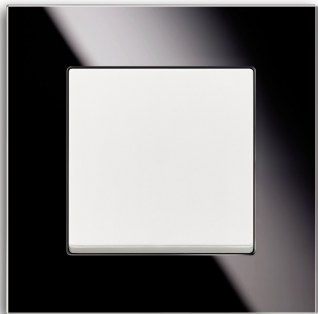
Material: glass

Available colors:

- glass black -825

Available in 1 to 4gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-825	2CKA001754A4322	Cover frame 1gang
1722-825	2CKA001754A4323	Cover frame 2gang
1723-825	2CKA001754A4324	Cover frame 3gang
1724-825	2CKA001754A4325	Cover frame 4gang

Recommended rocker:



studio white

-84

carat®

Color/material overview

carat® | chrome

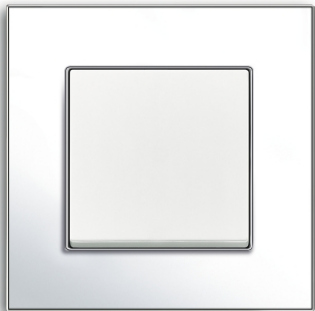
Material: genuine material

Available colors:

- glass black -826

Available in 1 to 4gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-826-101	2CKA001754A4360	Cover frame 1gang
1722-826-101	2CKA001754A4361	Cover frame 2gang
1723-826-101	2CKA001754A4362	Cover frame 3gang
1724-826-101	2CKA001754A4363	Cover frame 4gang

Recommended rocker:



studio white

-84

carat®

Color/material overview

carat® | stainless steel

Material: genuine material

Available colors:

- stainless steel -860

Available in 1 to 4gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-860	2CKA001754A4254	Cover frame 1gang
1722-860	2CKA001754A4255	Cover frame 2gang
1723-860	2CKA001754A4256	Cover frame 3gang
1724-860	2CKA001754A4257	Cover frame 4gang

Recommended rocker:



anthracite

-81

carat®

Color/material overview

carat® | gold

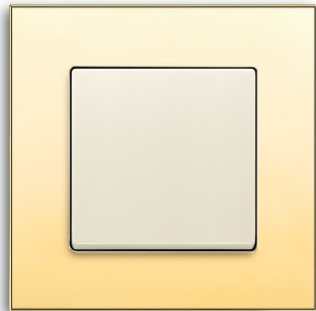
Material: genuine material

Available colors:

- gold (24 carat) -823

Available in 1 to 4gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-823-101	2CKA001754A4356	Cover frame 1gang
1722-823-101	2CKA001754A4357	Cover frame 2gang
1723-823-101	2CKA001754A4358	Cover frame 3gang
1724-823-101	2CKA001754A4359	Cover frame 4gang

Recommended rocker:



ivory
-82

carat®

Color/material overview

carat® | bronze

Material: genuine material with an individual surface; each cover frame is unique in structure and color nuance

Available colors:

- bronze -821

Available in 1 to 4gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-821	2CKA001754A4258	Cover frame 1gang
1722-821	2CKA001754A4259	Cover frame 2gang
1723-821	2CKA001754A4260	Cover frame 3gang
1724-821	2CKA001754A4261	Cover frame 4gang

Recommended rocker:



studio white

-84

carat®

Color/material overview

new
12/2020

carat® | porcelain anthracite

Material: genuine material, unique piece

Square design with slightly rounded edges

Surface: matt, flowing

Available colors:

- porcelain anthracite -815

Available in 1 to 3gang cover frames (it isn't possible to produce 4 or 5gang frames from porcelain)

Porcelain now also as a square switch frame

Suitable for flat installation



Article no.	Order no.	Description
1721-815	2CKA001754A4820	Cover frame 1gang
1722-815	2CKA001754A4821	Cover frame 2gang
1723-815	2CKA001754A4822	Cover frame 3gang

Recommended rockers:



black matt
-885



studio white matt
-884

carat® & Busch-axcent®

Flat mounting

carat® flat mounting

Key information

Flat mounting

Flat mounting of **all** carat® frames is possible:

- Flat mounting sets for carat are needed
- Sets are available for cavity walls, concrete or brickwork

[Link](#) to application video “flat flush-mounting”



Busch-axcent® flat mounting

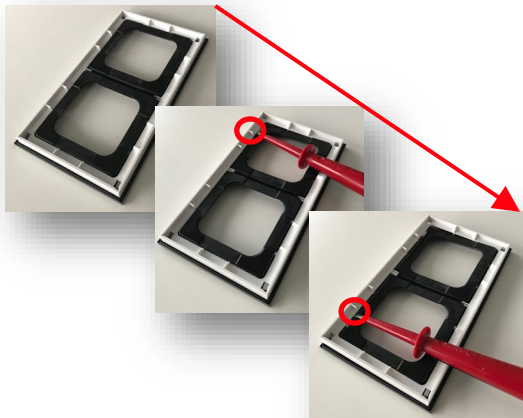
Key information

Flat mounting

Flat mounting of all Busch-axcent® **plastic** and **metal** frames is possible:

- Flat mounting set Busch-axcent®
- Disassembly of base part is required

No flat installation for new **glass, slate, concrete** and **composite paper** possible!



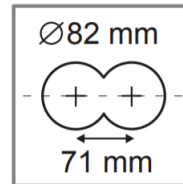
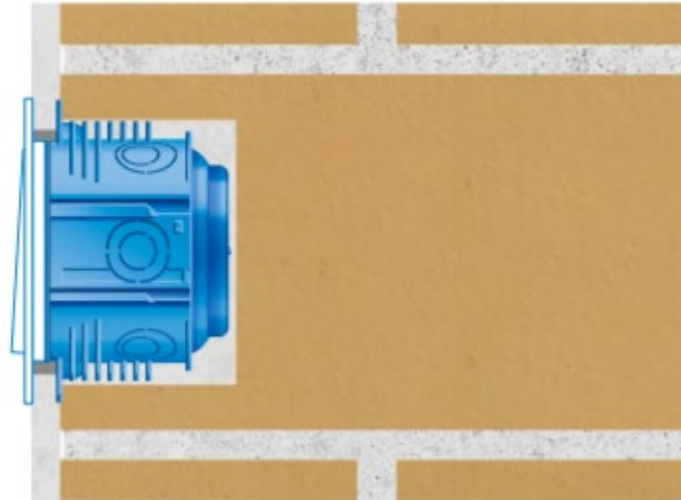
Flat mounting

Key information

Flush-mounted boxes for brickwork

Box with adjustable bottom and height adjustable ring. Makes installation depths of 46, 56 and 67 mm possible with only one box.

[Link](#) to application video “brickwork mounting”



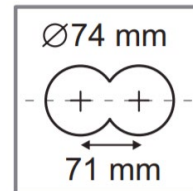
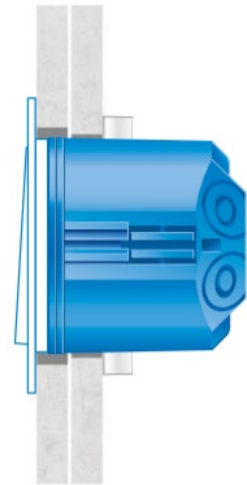
Flat mounting

Key information

Flush-mounted boxes for cavity wall

Mounting set suitable for drywalls and plasterboards, thicknesses 9.5 mm, 10 mm and 12.5 mm.

[Link](#) to application video „cavity wall mounting“



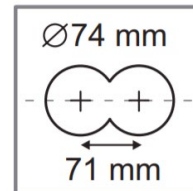
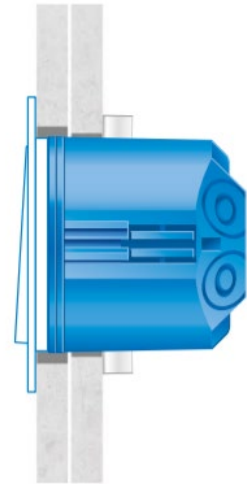
Flat mounting

Key information

Flush-mounted boxes for cavity wall

Mounting set suitable for drywalls and plasterboards, thicknesses 9.5 mm, 10 mm and 12.5 mm.

[Link](#) to application video „cavity wall mounting“

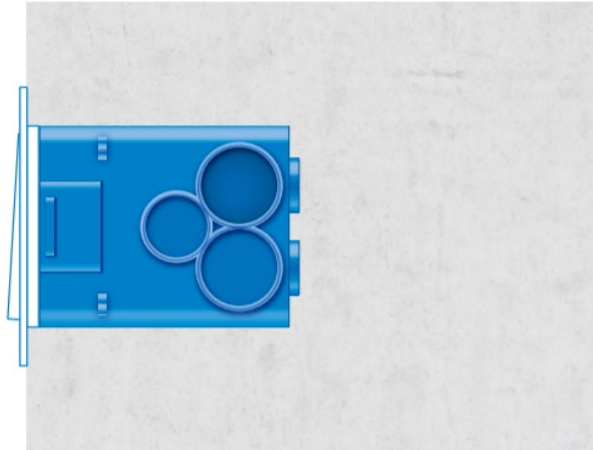


Flat mounting

Key information

Flush-mounted boxes for concrete

Numerous connecting options for different pipe diameters. No special tools required for mounting. The concrete wall box is attached to the formwork as usual. Once the formwork is removed, the cover of the concrete wall box will be automatically removed as well. The box is equipped with flex knockouts for pipes: 4 x 25 mm, 5 x 25 mm and 1 x 32 mm.



Busch-axcent[®] pur

Genuine high-quality materials for individualists

BUSCH-AXCENT®



Contemporary touches

Numerous small highlights create a tasteful overall image. Our Busch-axcent® switch range stands for this interior design credo, which combines consistent linear design with a variety of colors.



Mounting sets for Busch-axcent® flat allow flush-mounted installation of the Busch-axcent® range.



01



02



03



04



05

- 01 2gang combination switch / socket outlet studio white / white
- 02 studio white / black
- 03 studio white / château-black
- 04 studio white / maison beige
- 04 studio white / entrée grey

Busch-axcent® Subdued and elegant

Busch-axcent® combines puristic optics and qualitative high-value thermoplastic with modern subdued colors which give their style an unobtrusive elegant appearance.



Busch-axcent® pur

Genuine high-quality materials for individualists

At a time, in which individualism becomes ever more important, the desire for a home that gives expression to personality is on the increase. The modified Busch-axcent® pur range does justice to this desire: with new materials of even higher quality and individuality as well as colors in combination with the usual puristic optics of Busch-axcent®.



01



02



03

- 01 2gang combination switch / socket outlet studio white / titanium
- 02 black matt / black matt
- 03 anthracite / platinum
- 04 black matt / paper blue
- 05 black matt / paper brown
- 06 black matt / slate grey
- 07 black matt / concrete grey

NEW



04

NEW



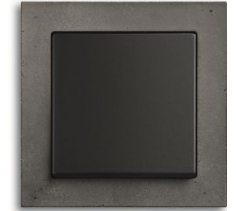
05

NEW



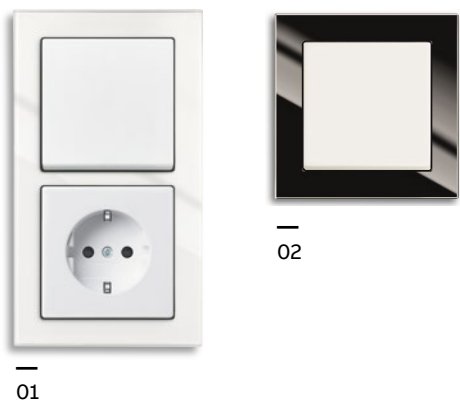
06

NEW



07





Busch-axcent® pur Accents in glass

The new color range of Busch-axcent® pur harnesses the latest trends and adds a colorful flourish to unique room designs. In pure elegance of optically appealing glass.

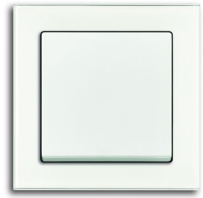


- 01 2gang combination switch / socket outlet studio white / white glass
- 02 studio white / black glass
- 03 studio white matt / glass coral
- 04 studio white matt / glass avocado
- 05 studio white matt / glass purple
- 06 studio white matt / glass oyster
- 07 studio white matt / glass ocean
- 08 studio white matt / glass sun



Busch-axcent® pur

Overview



white glass²



black glass²

new
2020



glass coral²

new
2020



glass ocean²

new
2020



slate grey²

new
2020



paper blue²

new
2020



titanium¹

new
2019



glass sun²

new
2020



glass purple²

new
2020



concrete grey²

new
2020



paper brown²

new
2020



platinum¹

new
2019



glass avocado²

new
2020



glass oyster²

new
2020



black matt¹

new
2019

Busch-axcent®

Today's offer



studio white¹



maison-beige¹



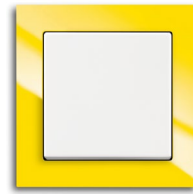
black¹



entrée-grey¹



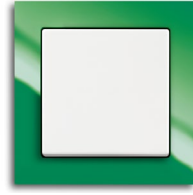
chateau-black¹



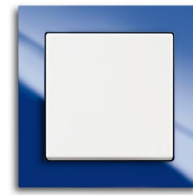
yellow¹



red¹



green¹



blue¹

Busch-axcent[®] pur

Main applications & functions

Busch-axcent® pur

Main applications & functions

Busch-axcent® pur

- High end and luxury residential buildings
- High end and luxury residential hotels
- High end and luxury commercial application

- Includes all functions (platform 63)
 - CWA mechanics - switches, sockets, VDI ...
 - CWA electronics - dimmer, audio, RTC ...
 - BA user operations - KNX, free@home ...

- Markets: Range 60 markets at CEU region + selected projects at markets like UAE, CN, ... region

Individual Houses



Residential



Commercial



Hotel



Busch-axcent® pur

Key information

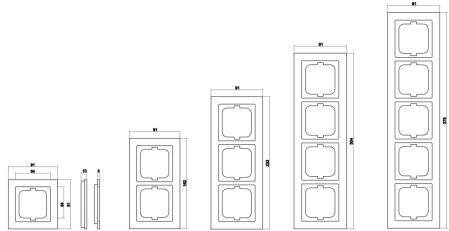
High-quality materials and modern accents

Busch-axcent® pur is available in different materials glass, slate, concrete, paper-resin composite (Richlite®), platinum and titanium.

Besides the new materials Busch-axcent® pur offers also a variety of new, modern colors.

Versatile use

This switch range is available in 1gang to 5gang cover frames. They can be mounted vertically or horizontally.



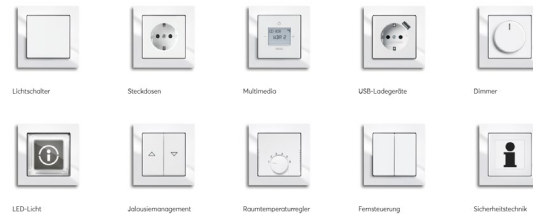
Flat mounting

Flat flush mounting for all Busch-axcent® **plastic** and **metal frames** possible



Full functionality

Compatible to platform 63 incl. KNX, ABB-free@home, VDI, hospitality etc.





Busch-axcent® pur

Color/material overview

Busch-axcent® pur

Color/material overview

Launched
in 2019

Busch-axcent® pur | titanium

Material: real metal

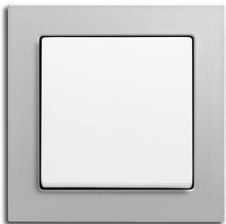
Surface: high quality coating

Color:

- titanium (-276)

Available in 1 to 5gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-276-500	2CKA001754A4698	Cover frame 1gang
1722-276-500	2CKA001754A4699	Cover frame 2gang
1723-276-500	2CKA001754A4700	Cover frame 3gang
1724-276-500	2CKA001754A4701	Cover frame 4gang
1725-276-500	2CKA001754A4702	Cover frame 5gang

Busch-axcent® pur

Color/material overview

Launched
in 2019

Busch-axcent® pur | platinum

Material: real metal

Surface: high quality coating

Color:

- platinum (-270)

Available in 1 to 5gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-270-500	2CKA001754A4688	Cover frame 1gang
1722-270-500	2CKA001754A4689	Cover frame 2gang
1723-270-500	2CKA001754A4690	Cover frame 3gang
1724-270-500	2CKA001754A4691	Cover frame 4gang
1725-270-500	2CKA001754A4692	Cover frame 5gang

Busch-axcent® pur

Color/material overview

Launched
in 2019

Busch-axcent® pur | black matt

Material: real metal

Surface: high quality coating

Color:

- black matt (-275)

Available in 1 to 5gang cover frames

Suitable for flat installation



Article no.	Order no.	Description
1721-275-500	2CKA001754A4708	Cover frame 1gang
1722-275-500	2CKA001754A4709	Cover frame 2gang
1723-275-500	2CKA001754A4710	Cover frame 3gang
1724-275-500	2CKA001754A4711	Cover frame 4gang
1725-275-500	2CKA001754A4712	Cover frame 5gang

Busch-axcent® pur

Color/material overview

new
08/2020

Busch-axcent® pur | glass

Material: glass, printet on the back

Surface: satin matt

Available colors:

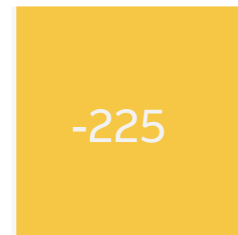
- glass coral (-227)
- glass sun (-225)
- glass avocado (-226)
- glass ocean (-228)
- glass purple (-223)
- glass oyster (-229)

Available in 1 to 5gang cover frames

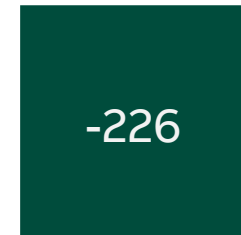
Not for flat installation



S 1040-Y90R - NCS



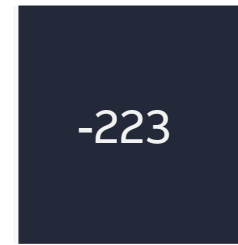
S 0560-Y10R - NCS



S 5540-B90G - NCS



S 4550-B - NCS



S 8010-R70B - NCS



S 7010-R90B - NCS

Busch-axcent® pur

Color/material overview

new
08/2020

Busch-axcent® pur | glass

Material: glass, printet on the back

Surface: satin matt

Available colors:

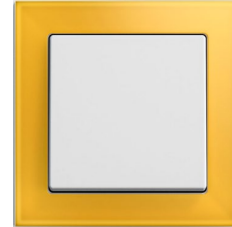
- glass coral (-227)
- glass sun (-225)
- glass avocado (-226)
- glass ocean (-228)
- glass purple (-223)
- glass oyster (-229)

Available in 1 to 5gang cover frames

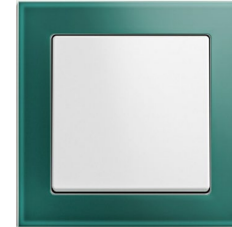
Not for flat installation



glass coral



glass sun



glass avocado



glass ocean



glass purple



glass oyster

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | glass coral

Material: glass, printet on the back

Surface: satin matt

Color:

- glass coral (-227)
- glass coral NCS hue S 1040-Y90R
- Color at technical language: dark pink

Available in 1 to 5gang cover frames

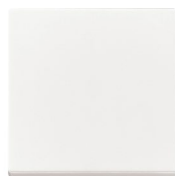
Not for flat installation



S 1040-Y90R – NCS

Article no.	Order no.	Description
1721-227	2CKA001754A4765	Cover frame 1gang
1722-227	2CKA001754A4766	Cover frame 2gang
1723-227	2CKA001754A4767	Cover frame 3gang
1724-227	2CKA001754A4768	Cover frame 4gang
1725-227	2CKA001754A4769	Cover frame 5gang

Recommended rockers:



studio white

-84



studio white matt

-884

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | glass sun

Material: glass, printet on the back

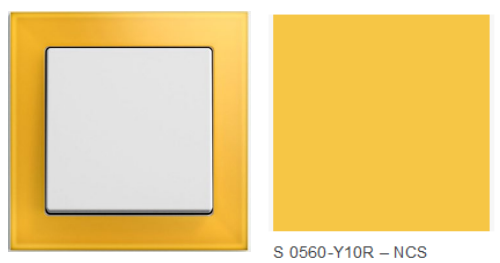
Surface: satin matt

Color:

- glass coral (-225)
- glass sunrise NCS hue S 0560-Y10R
- Color at technical language: light yellow

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-225	2CKA001754A4760	Cover frame 1gang
1722-225	2CKA001754A4761	Cover frame 2gang
1723-225	2CKA001754A4762	Cover frame 3gang
1724-225	2CKA001754A4763	Cover frame 4gang
1725-225	2CKA001754A4764	Cover frame 5gang

Recommended rockers:



studio white

-84



studio white matt

-884

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | glass avocado

Material: glass, printet on the back

Surface: satin matt

Color:

- glass coral (-226)
- glass avocado NCS hue S 5540-B90G
- Color at technical language: dark green

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-226	2CKA001754A4770	Cover frame 1gang
1722-226	2CKA001754A4771	Cover frame 2gang
1723-226	2CKA001754A4772	Cover frame 3gang
1724-226	2CKA001754A4773	Cover frame 4gang
1725-226	2CKA001754A4774	Cover frame 5gang

Recommended rockers:



studio white

-84



studio white matt

-884

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | glass ocean

Material: glass, printet on the back

Surface: satin matt

Color:

- glass ocean (-228)
- glass ocean NCS hue S 4550-B
- Color at technical language: dark blue

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-228	2CKA001754A4755	Cover frame 1gang
1722-228	2CKA001754A4756	Cover frame 2gang
1723-228	2CKA001754A4757	Cover frame 3gang
1724-228	2CKA001754A4758	Cover frame 4gang
1725-228	2CKA001754A4759	Cover frame 5gang

Recommended rockers:



studio white

-84



studio white matt

-884

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | glass purple

Material: glass, printet on the back

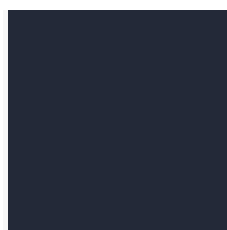
Surface: satin matt

Color:

- glass purple (-223)
- glass purple NCS hue S 8010-R70B
- Color at technical language: dark violet

Available in 1 to 5gang cover frames

Not for flat installation



S 8010-R70B - NCS

Article no.	Order no.	Description
1721-223	2CKA001754A4775	Cover frame 1gang
1722-223	2CKA001754A4776	Cover frame 2gang
1723-223	2CKA001754A4777	Cover frame 3gang
1724-223	2CKA001754A4778	Cover frame 4gang
1725-223	2CKA001754A4779	Cover frame 5gang

Recommended rockers:



studio white

-84



studio white matt

-884

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | glass oyster

Material: glass, printet on the back

Surface: satin matt

Color:

- glass oyster (-229)
- glass oyster NCS hue S 7040-R90B
- Color at technical language: dark grey

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-229	2CKA001754A4780	Cover frame 1gang
1722-229	2CKA001754A4781	Cover frame 2gang
1723-229	2CKA001754A4782	Cover frame 3gang
1724-229	2CKA001754A4783	Cover frame 4gang
1725-229	2CKA001754A4784	Cover frame 5gang

Recommended rockers:



studio white

-84



studio white matt

-884

Busch-axcent® pur

Color/material overview

new
08/2020

Busch-axcent® pur | glass black

Material: Glass tinted, printed on the back

Surface: glossy

Color:

- glass black (-245)
- Timeless glossy black like ABB tacteo® and KNX panels

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-245	2CKA001754A4800	Cover frame 1gang
1722-245	2CKA001754A4801	Cover frame 2gang
1723-245	2CKA001754A4802	Cover frame 3gang
1724-245	2CKA001754A4803	Cover frame 4gang
1725-245	2CKA001754A4804	Cover frame 5gang

Recommended rockers:



studio white

-84



anthracite

-81



grey metallic

-803



aluminium silver

-83

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | slate

Material: slate; each frame is unique

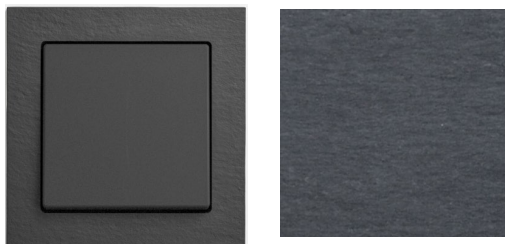
Surface: matt, structured

Color:

- slate grey (-290)
- slate with an open-pore surface

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-290	2CKA001754A4805	Cover frame 1gang
1722-290	2CKA001754A4806	Cover frame 2gang
1723-290	2CKA001754A4807	Cover frame 3gang
1724-290	2CKA001754A4808	Cover frame 4gang
1725-290	2CKA001754A4809	Cover frame 5gang

Recommended rockers:



black matt
-885



anthracite
-81

Busch-axcent® pur

Color/material overview

new
10/2020

Busch-axcent® pur | concrete

Material: concrete; each frame is unique

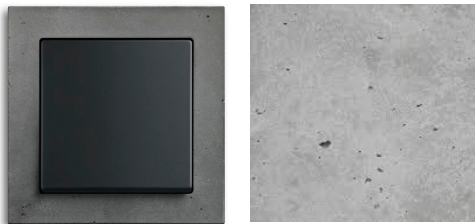
Surface: matt, porous

Color:

- concrete grey (-298)
- Real concrete with an open-pore surface
- Increased sensitivity to breakage if handled improperly

Available in 1 to 5gang cover frames

Not for flat installation



Article no.	Order no.	Description
1721-298	2CKA001754A4795	Cover frame 1gang
1722-298	2CKA001754A4796	Cover frame 2gang
1723-298	2CKA001754A4797	Cover frame 3gang
1724-298	2CKA001754A4798	Cover frame 4gang
1725-298	2CKA001754A4799	Cover frame 5gang

Recommended rockers:



black matt
-885



anthracite
-81

Busch-axcent® pur

Color/material overview



Busch-axcent® pur | paper blue

Material: Composite material paper and phenolic resins by Richlite®

Surface: matt, unique

Color:

- Paper blue (-248)

Available in 1 to 5gang cover frames

Not for flat installation

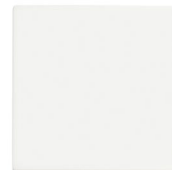


Article no.	Order no.	Description
1721-248	2CKA001754A4785	Cover frame 1gang
1722-248	2CKA001754A4786	Cover frame 2gang
1723-248	2CKA001754A4787	Cover frame 3gang
1724-248	2CKA001754A4788	Cover frame 4gang
1725-248	2CKA001754A4789	Cover frame 5gang

Recommended rockers:



black matt
-885



studio white matt
-884

Busch-axcent® pur

Color/material overview

new
10/2020

Busch-axcent® pur | paper brown

Material: Composite material paper and phenolic resins by Richlite®

Surface: matt, unique

Color:

- Paper brown (-243)

Available in 1 to 5gang cover frames

Not for flat installation



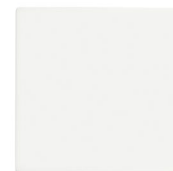
Article no.	Order no.	Description
1721-243	2CKA001754A4790	Cover frame 1gang
1722-243	2CKA001754A4791	Cover frame 2gang
1723-243	2CKA001754A4792	Cover frame 3gang
1724-243	2CKA001754A4793	Cover frame 4gang
1725-243	2CKA001754A4794	Cover frame 5gang

Recommended rockers:



black matt

-885



studio white matt

-884

Busch-axcent® pur

Color/material overview

Composite paper material information

Richlite® consists of approx. 65% FSC®-certified or recycled paper and 35% phenolic resin. The last one is one of the primary materials in the electrical industry.

The material is used for the first time as a design frame.

Use of the material e.g. for furniture, musical instruments, skater ramps, building cladding and much more.

More material information: <https://richlite.com/>

All Richlite Products
Are Certified:



GREENGUARD Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of VOCs.



FSC certification ensures that products come from well-managed forests that provide environmental, social and economic benefits.



By choosing Rainforest Alliance Certified™ products, you support long-term environmental, social and economic sustainability.



Light switches

3D-LiveView App

3D-LiveView App

With our 3D-LiveView App, you can view our products live and in 3D on your own wall.

To get started, only two steps are necessary:

1. [Download](#) the App in either the App store or in the Google Play store
2. [Download](#) the tracking image and place it wherever you like to see the product on the wall

Besides the light switch designs you can also discover the assortment of ABB's Smart Buildings door communication systems as well as our ABB i-bus® KNX and ABB-free@home® sensors.





Light switches

Further information

Further information



abb.com/lightswitches

ABB