

Lookbook

:hager







Düsseldorf, MedienHafen (Media Harbour)









# The look of energy

## **Energy and installed distribution boards**

Energy distribution is the heart of a building. We make sure it keeps beating – with full vigour. Not just for the present, but for many years to come as well. Up to 4000 A.



## 01 | 02

**Energy distribution system Hager  
unimes H**

Leaves a powerful impression – even  
with glass doors



# 03

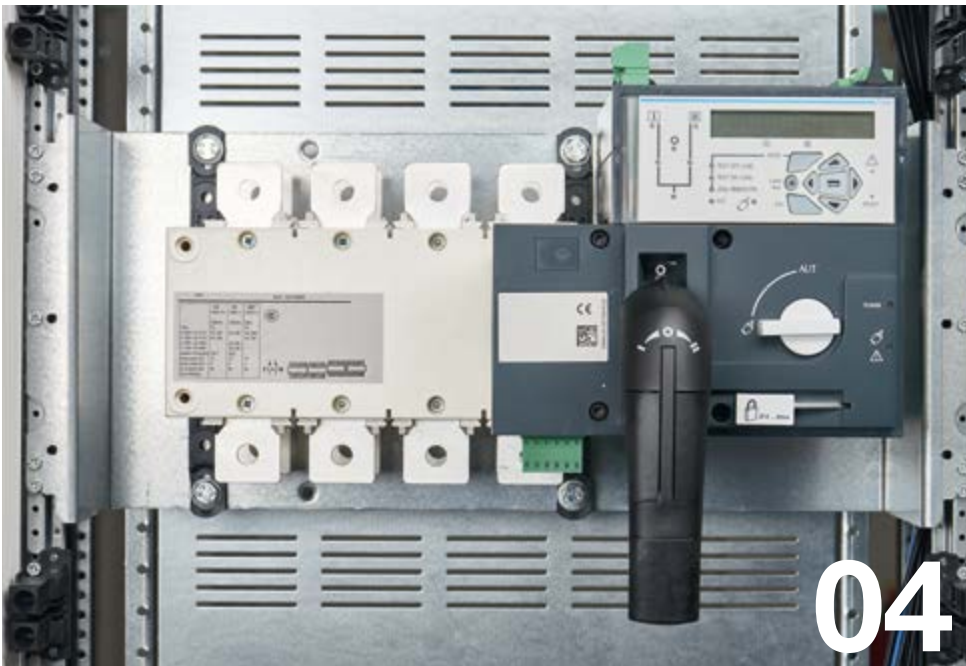


## 03

**Hager Varioline**, the pluggable system with compact circuit breakers up to 800 A

## 04

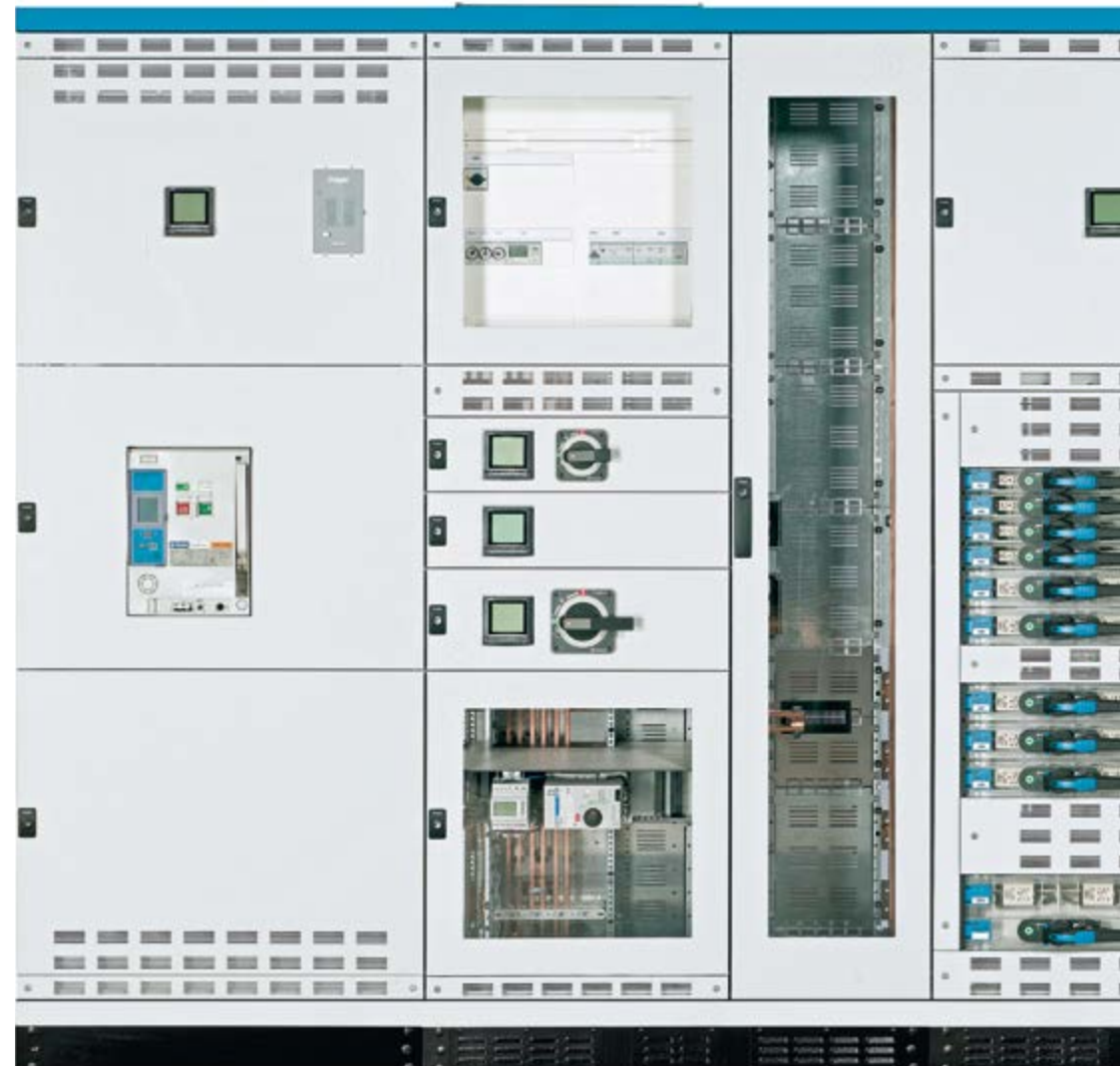
**Hager HIC**, automatic load transfer with motor drive and energy management up to 1600 A



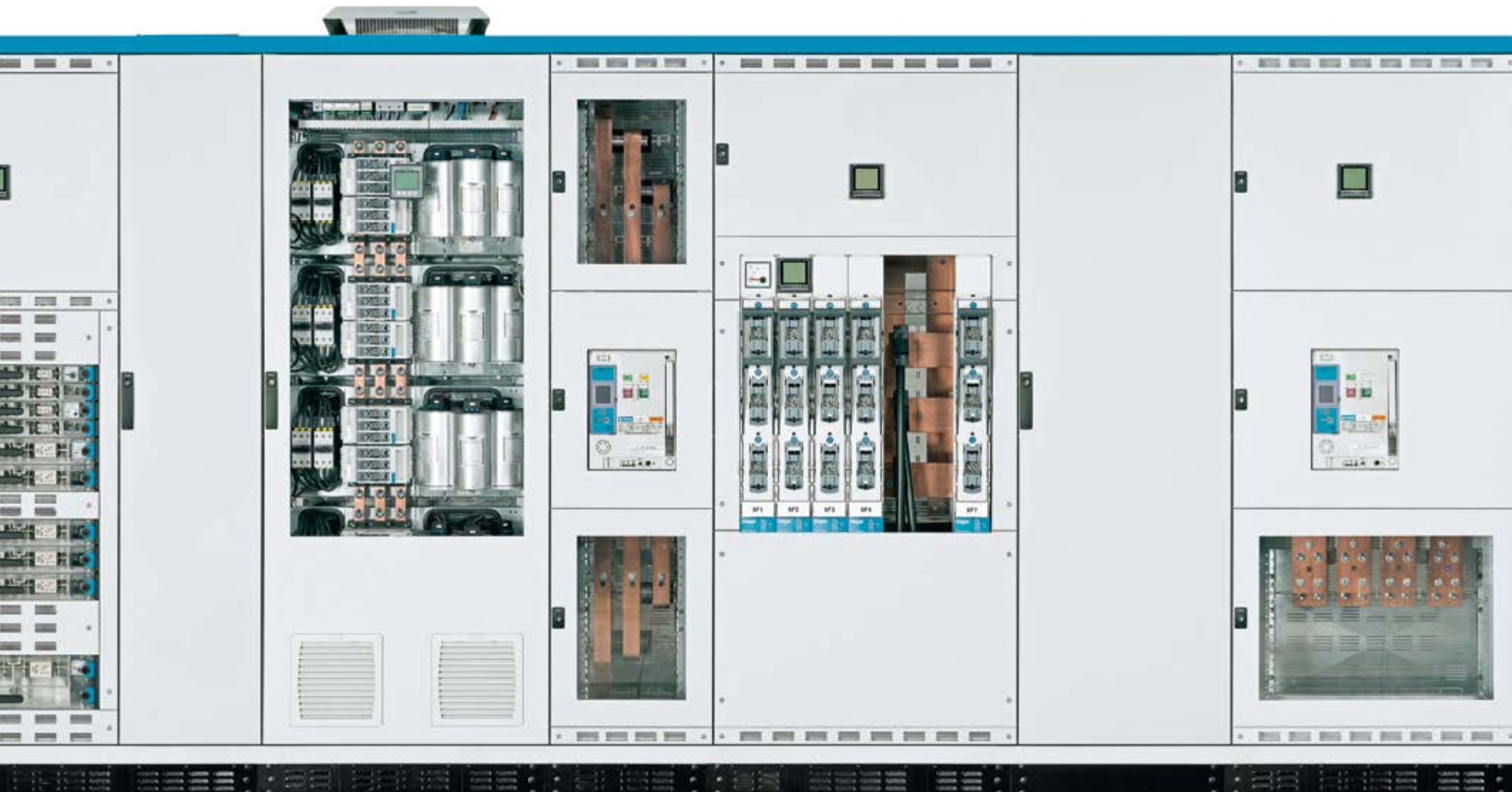
### Energy distribution system unimes H

With the distribution system unimes H, type-tested energy distributors with a cabinet depth of up to 800 mm and feed currents of up to 4000 A are established. The benefits of this include internal room partitioning that is clear, well arranged and enables the expansion of inner compartments as per EN 61439-1 and -2 up to design 4

An internal arc test as per IEC/TR 61641 as proof of protection for persons and systems makes unimes H a safe solution







## Energy distribution system unimes H

### The most important areas at a glance

#### 01

The busbar system up to 4 x 80 x 10 mm achieves 4000 A and short-circuit resistance  $I_{CW}$  (1 s) of 100 kA. Can be installed at the top, in the centre or at the bottom.

#### 02

The open circuit breaker provides maximum performance at minimum device volumes; can be configured as fixed installation or with plug-in technology.

#### 03

The copper connection of main busbars to the device is made with commercially available copper bars and screws. A connection bracket that can be mounted with no drilling required allows rapid connections to be made.

#### 04

Maximum safety for persons and systems thanks to a passive or active arc fault protection system as well as earthquake and shock testing.

#### 05

A neutral platform with only two base cabinets forms the basis for an efficient, type-tested low-voltage distribution system.

#### 06

The transport separation brackets are mounted on a single side. This way, two cabinets can be easily pushed together.

#### 07

Adjustable reactive power compensation systems with type-tested quality components in convenient plug-in technology reduce reactive energy and costs along with it.

#### 08

The main busbars can be coupled in the cabinet without any loss of space at the sides. This reduces the loss of power and the demand for copper.

#### 09

Functional areas such as busbar units and cable connection areas can be optimally separated from one another. This way, you have a choice of implementing design 2b, 3b or 4a/b.

#### 10

The four-pin busbar system UST4 can be used as an additional distribution busbar. With Cu 2 x 20/30/40 mm for currents up to 1600 A in connection technology with no drilling required.

#### 11

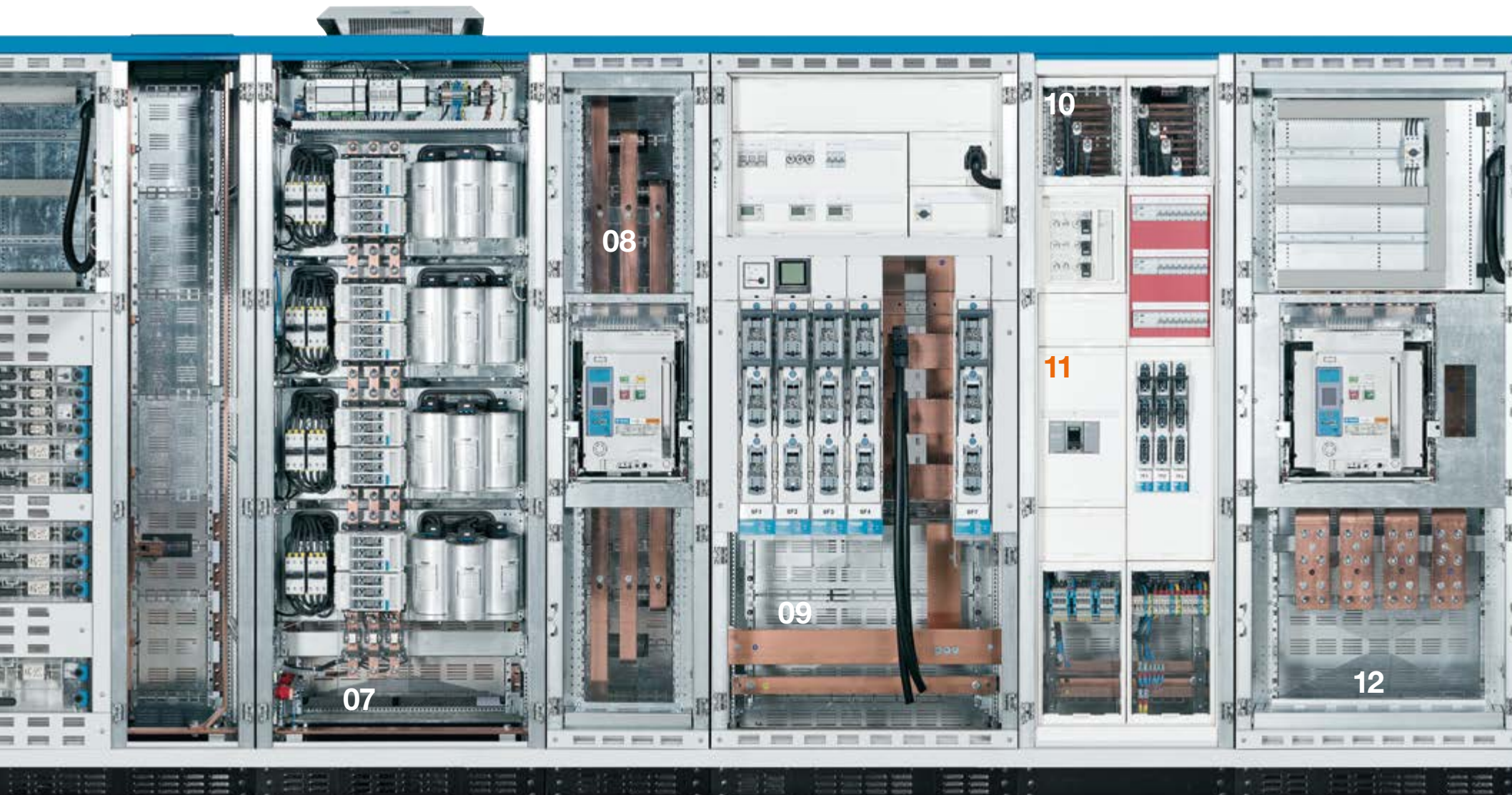
The entire system technology from univers N high current is available for expanding the unimes H modular cabinet. If necessary, it can also be implemented in design 2b.

#### 12

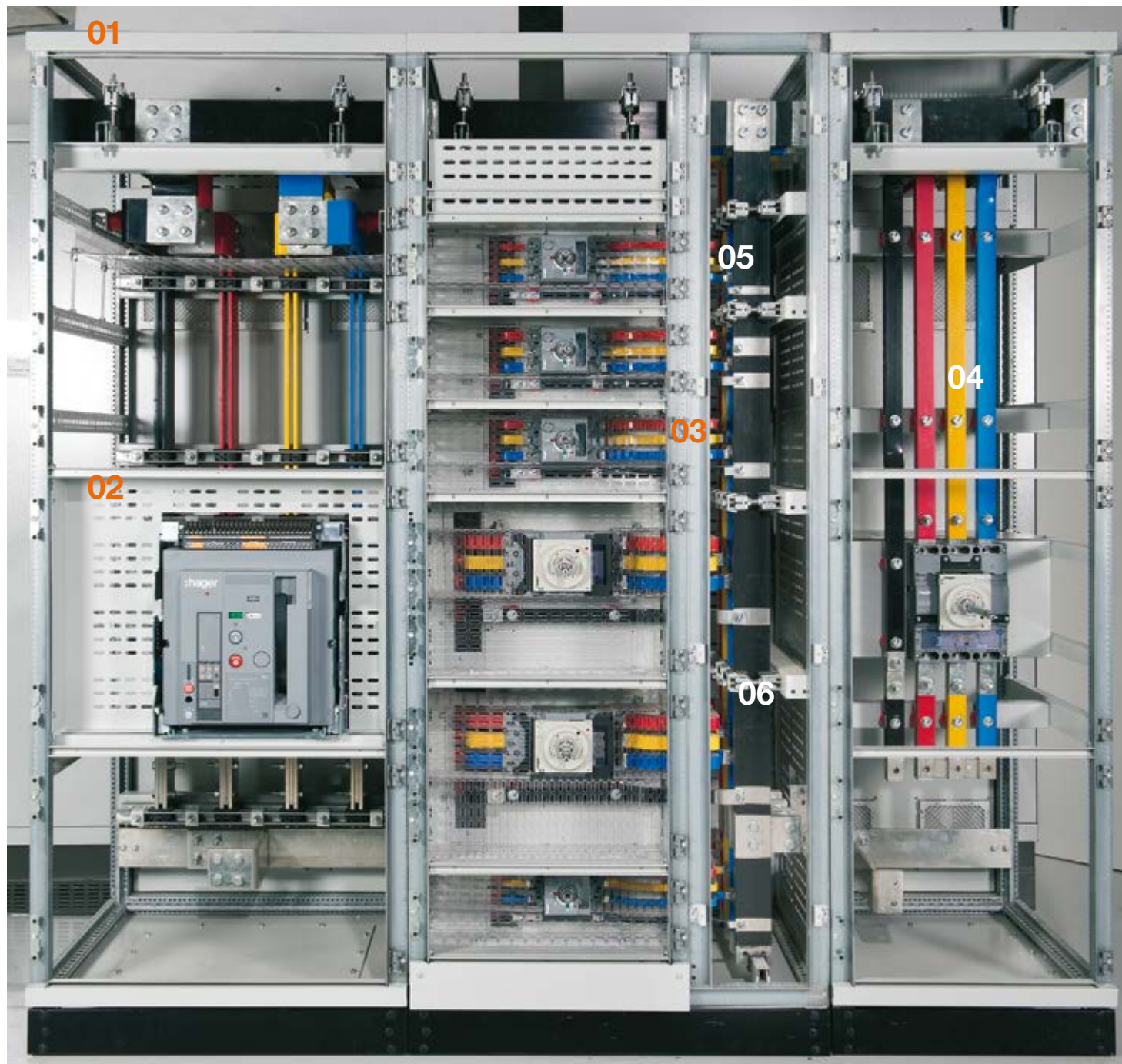
The optimum arrangement of the bars provides plenty of free space and a neatly organised cable connection. Cable clamping rails that can be flexibly installed provide tension relief.











## Energy distribution system unimes.ME

### The most important areas at a glance

#### 01

Just two cabinets form the basis of unimes.ME, providing a simple and flexible system. The base and top plates are fitted with unique corner pieces, offering maximum rigidity.

#### 02

Internal metallic and non metallic partitions up to form 4b provide maximum protection against direct contact with any live parts. The form 4b partition also limits contact with solid bodies (e.g. working tools)

#### 03

Distribution boards must be able to operate reliably for many years under difficult environmental conditions. With an IP54 rating, unimes.ME provides complete safety from foreign solid bodies or liquids.

#### 04

Busbars are enclosed in fully partitioned compartments. They consist of one or more copper bars per phase held by functional busbar supports. The main busbars are mounted horizontally while the distribution busbars are mounted vertically to enable front and rear access to the busbars. This increases the safety of operation.

#### 05

The unimes.ME is fitted with type tested busbar supports suitable for copper bars. Together, they support a current of up to 2500A and a short-circuit current of 50kA (3sec). The optimum arrangement of the busbars reduces power dissipation and increases the safety of installations.

#### 06

The ample space in the main busbar chamber provides easy and safe coupling between the different enclosures. This reduces the assembly time and also increases the safety of operation.



01





**01**

**Hager univers free-standing cabinet**

Installed distribution board 400 A for efficient DALI lighting control and visualisation for energy monitoring

**Hager univers wall-mounted cabinet**

Transformer cabinet for distribution network operator-approved measurements up to 400 A

**02**

**Hager univers free-standing cabinet**

Energy distribution for devices up to 1250 A, protection class IP55 including stationary base

**03**

**Hager h3 and h3+**

Compact circuit breakers and load break switches up to 1600 A



01







**01**

**Hager univers free-standing cabinet**

Energy distribution 1600 A for efficient lighting and differentiated measurements for energy monitoring

**02**

**Hager univers free-standing cabinet**

Energy distribution 1600 A with NH fuse switch disconnectors

**03**

**Hager univers wall-mounted cabinet**

Installed distribution board 400 A with switching and protective devices



**04**

**Hager univers modular cabinet**

Energy distribution with NH fuse switch disconnectors in size 1–3 and integrated transformers for energy measurement

**04**





01

## 01 | 02

### Hager univers free-standing cabinets

For a variety of application areas, e.g. hotels and office buildings

## 03

### Hager univers Z

Meter panel system for direct measurement

02





03





01



02

## 01 | 02

### Hager univers Z

Meter panel system with integrated attachment and contacting device connection technology for electronic household meter (eHZ). The modular design guarantees flexibility for future smart metering applications.

## 03

### Hager univers Z

Meter panel system for direct measurement for all meter types, with distribution network operator-compliant design





03





### **Hager univers Z**

Meter unit with integrated attachment and contacting device connection technology for eHZ pluggable meters.

Cabinet for detached house incl. feed through the photovoltaic system, measurement according to the requirements of the KfW development bank and intelligent KNX building system









## vega D

### 01

#### **Simplified implementation**

Practical and unique, the vega D enclosure combines Hager intelligence. From packaging to accessories, all equipment has been designed to simplify the operation of the electric infrastructure. No futile efforts: all elements are spontaneously at hand, in a logic and natural order for unconstrained operation.

### 02

#### **Solution for all project configurations**

The range of vega D enclosures offers a choice of multiple applications. All models have numerous specific installation solutions that allow perfectly smooth integration in all types of projects. Guaranteed comfort. No other enclosure offers a comparable level of flexibility, powerful and evolutionary at the same time, which meets all expectations.

### 03

#### **Impeccable outcome**

The vega D range of enclosures expresses style and personality. With sober lines and a robust structure, the product stands out through timeless design and impeccable finish. A perfect model perfectly in sync with professional needs.

01



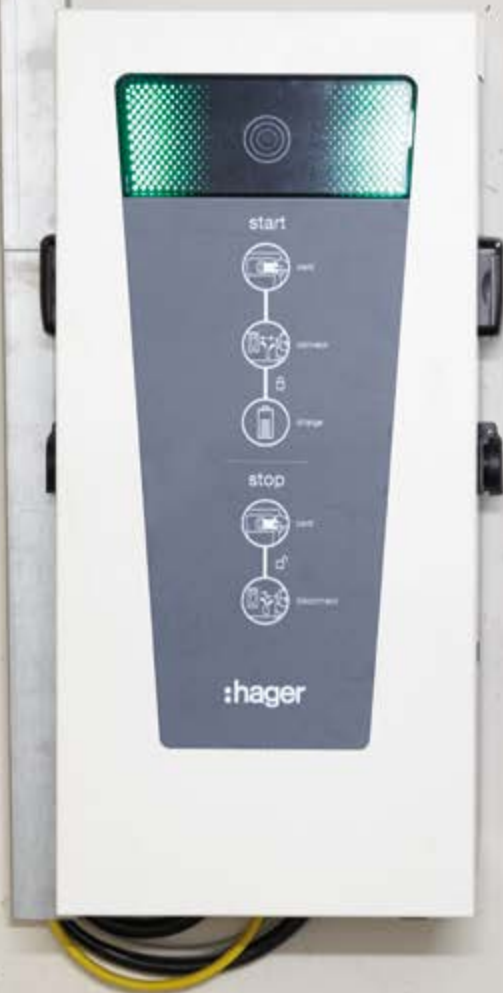




## 01

Charging station **witty.park** with  
two type 2 charging points, 22 kW,  
SCHUKO® socket and RFID reader

01







## 01

Charging station **witty.park** with two type 2 charging points, 22 kW, SCHUKO® socket and RFID reader, wall-mounted

## 02

Charging station **witty.park** with two type 2 charging points, 22 kW, SCHUKO® socket and RFID reader  
Feed from below. With wall panel





# 01



## 01

### TPN enclosures

Hager's invicta type B distribution boards deliver a complete solution for all your residential and commercial installations. The range is available in both single busbar and split busbar configurations, complete with wire set, for high level of flexibility and functionality.

- ASTA certified
- Easy to install
- Removable and height adjustable PAN assembly
- Top "tap-off" provision for extension
- Removable and reversible door for easy fitting
- Removable pre-punched top and bottom gland plates
- Ample wiring space

# 02



## 02

### DIN rail enclosures

Designed for optimal reliability and flexibility, our DIN rail distribution boards deliver a complete solution for today's residential and commercial installations.



## 01

**Power distribution columns** as secure solutions for power distribution at festivals and markets, which can either be fixed in place at the location or implemented as a mobile version – a simple and safe solution

## 02

**Meter connection cabinets** for outdoor use with up to six meter panels



# 01



02









# The look of flexibility

## **Cable routing and room connection systems**

A reliable supply of energy and data to large rooms – anywhere and at any time. To achieve this the goal, we are breaking new ground with our products: In floors, on walls and on ceilings. And these products retain the same flair for quality that has made us into a leading supplier in this segment.





**tehalit.DA**

Ceiling connection columns made from  
anodised aluminium with integrated  
lighting





# 01



**01**

**tehalit.DABA**

Ceiling connection rail, two-duct, made from anodised aluminium with integrated spotlight element

# 02

## tehalit.DABA

Ceiling connection rail, two-duct, made from anodised aluminium, with height-adjustable suspended ceiling fixture for cable routing and integration of lighting elements and sockets





**tehalit.BRA**

Dado trunking system made from anodised aluminium

Perfect integration into the metal structure – can be individually fitted with switches, sockets and data ports

The elegant surface of the dado trunking is available in all RAL colours either with a naturally anodised finish or with an environmentally friendly powder coating





**tehalit.BR65** in graphite black with tehalit  
device installation







**tehalit.BR65** pure white with **Berker Q.9** switch range, exclusively for use in dado trunking



**tehalit.SL**

Skirting board system in graphite black  
with stylish LED accent lighting









**tehalit.SL device retainer with data port Cat. 6A, two-part**  
Skirting board system in graphite black with LED lighting

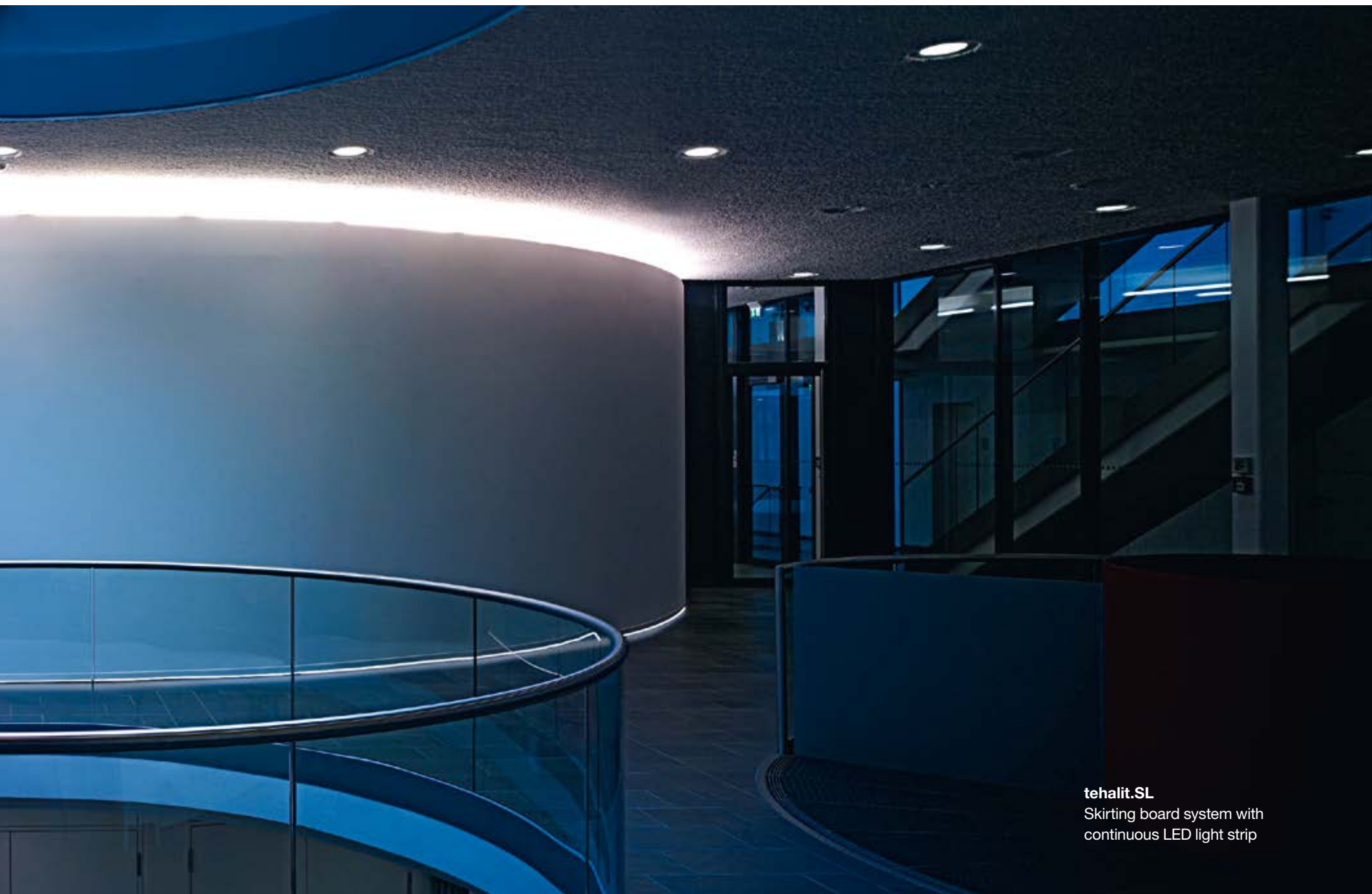


**tehalit.SL device retainer with SCHUKO® socket, two-part**  
Skirting board system in aluminium colour









**tehalit.SL**  
Skirting board system with  
continuous LED light strip

01



01

**tehalit.DA**

Connection columns made from anodised aluminium for supplying workspaces in a room

# 02



**02**  
Extension connection unit







**Extension connection unit**  
for installation in tables



01



02

**01**

**electraplan.VE-EE**

Stainless steel floor port integrated  
in terrazzo flooring

**02**

**electraplan.VE-EE**

Equipped with power sockets  
and data ports





### 03, 04

#### **Underfloor trunking system**

Compliant with the current requirements of BS regulations and tested to EN50085-2-2, the underfloor trunking system offers the perfect solution for screed floor and for every requirement relating to electrotechnical installations.







# The look of design

## **Switch ranges and room control**

Beauty is in the eye of the beholder. And functionality is at the heart of the sophisticated technology that lies behind it. Thanks to our highly acclaimed berker switch ranges, we are able to bring maximum quality to working and everyday life. Or even connect the past to the future – as you can see we have done here, at the renovated Anna Amalia Library in Weimar.



01



# 02

## 01

berker B.7 glass black

## 02

berker TS Sensor in combination with  
B.7 glass black, KNX room controller  
and socket





# 01

**01**

**berker TS Sensor**

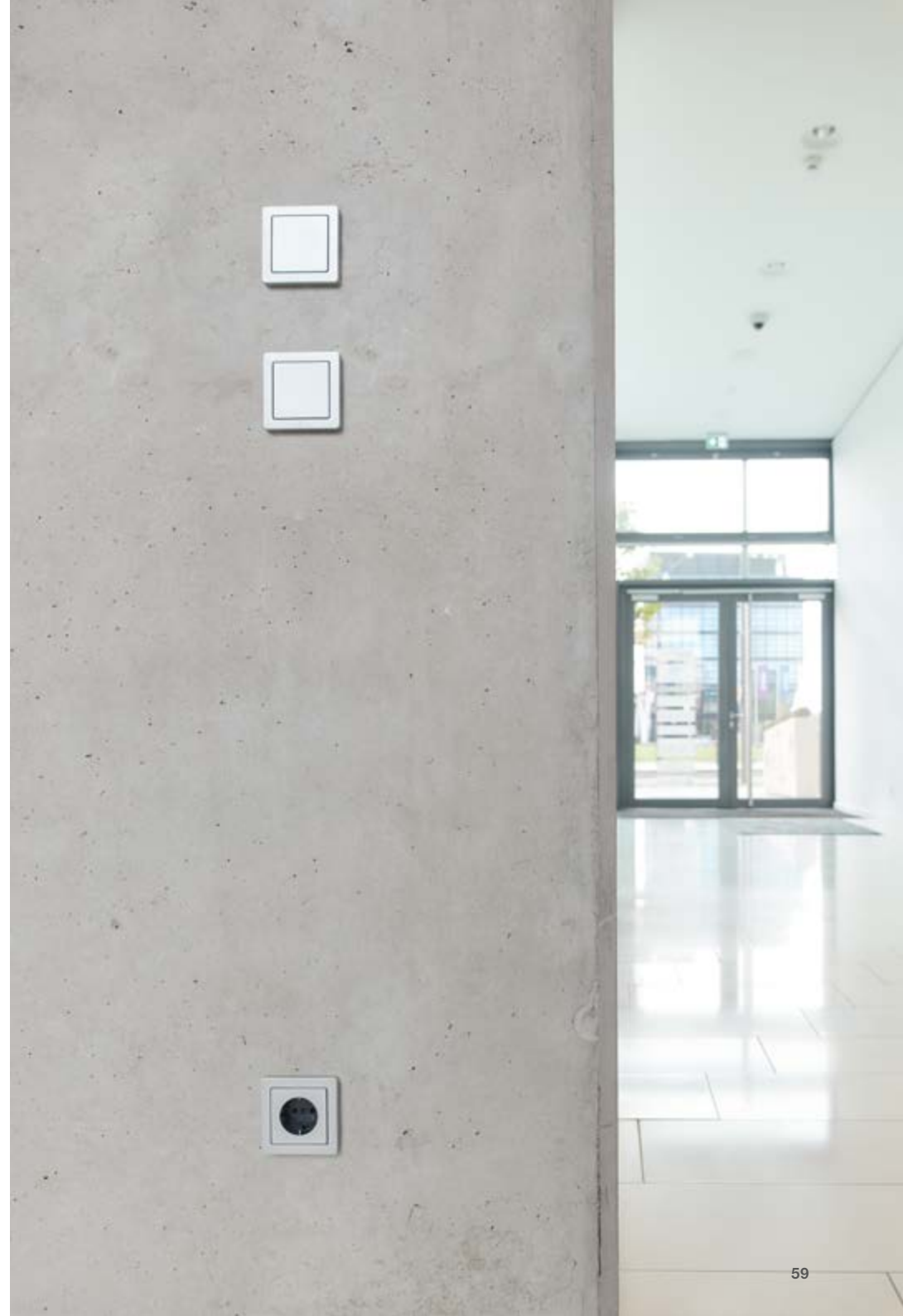
In glass black with individual labelling



**02**

**berker Q.1 aluminium**  
Velvet coated

**02**



01



**01**

berker R.3 glass, polar white

**02**

berker R.3 glass, polar white  
Shutter switch, two-part

**03**

berker R.3 glass, polar white  
Thermostat, shutter switch, light switch



**02**

**03**

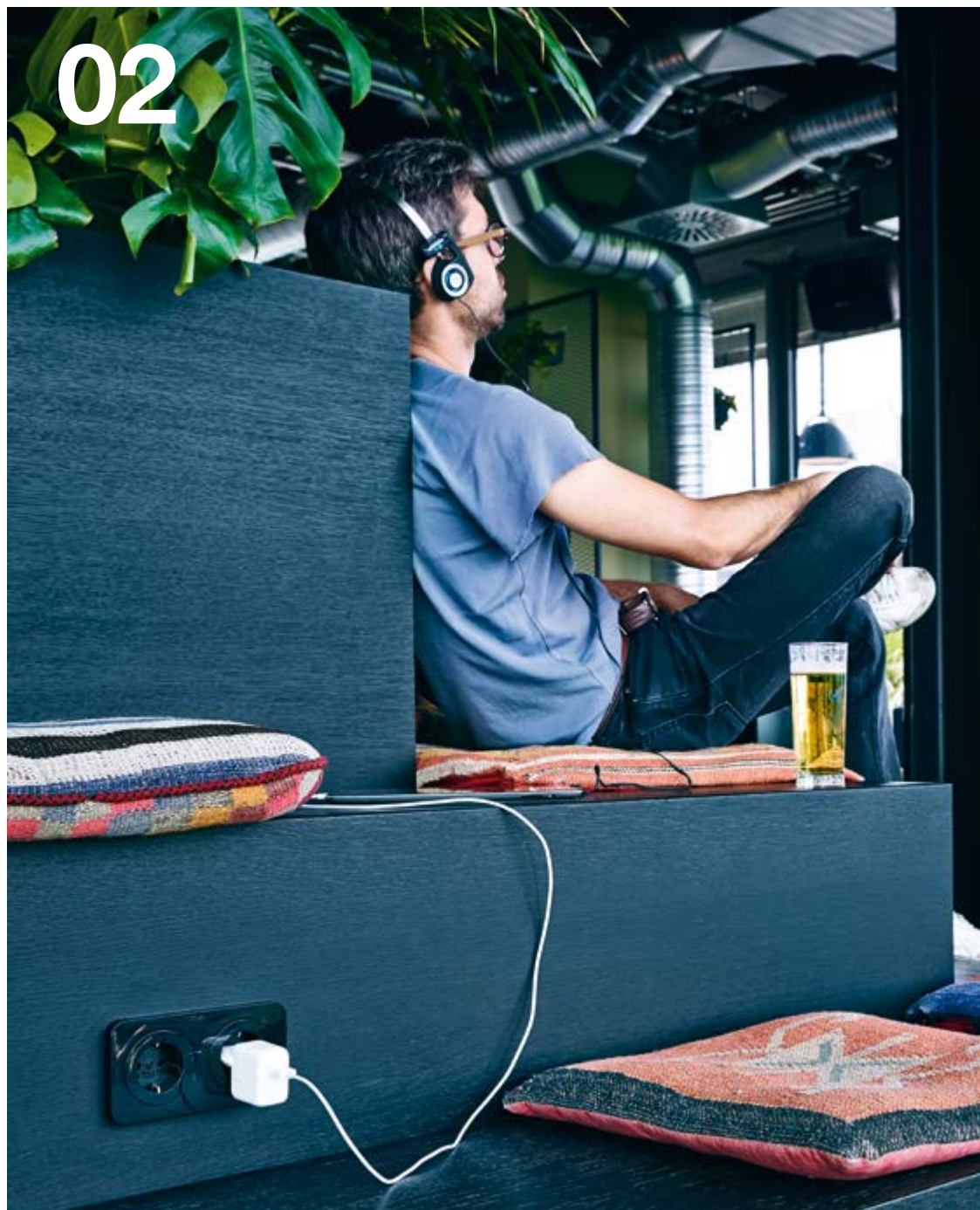




01



02







# 03

**01**

**berker R.1 plastic  
black, glossy**  
Data port, SCHUKO® socket and switch

**02**

**berker R.1 plastic  
black, glossy**  
SCHUKO® socket

**03**

**berker R.1 plastic  
black, glossy**  
Hotel card switch, illuminated

**04**

**berker R.1 plastic  
black, glossy**  
Data port, SCHUKO® sockets



# 04





01



# 02



## 01

**berker R.1 plastic**  
**polar white, glossy**  
SCHUKO® socket and USB charging  
socket – perfectly integrated in the  
skirting board

## 02

**berker R.3 plastic**  
**polar white, glossy**  
Suitably integrated

## 03

**berker R.3 plastic**  
**polar white, glossy**  
SCHUKO® socket and socket  
for electric razor



# 03

# 01





02



03

01

**berker R.1 plastic**  
**polar white, glossy**  
With LED signal light, bi-colour

02

**berker R.1 plastic**  
**polar white, glossy**  
Hotel card switch

03

**berker R.1 plastic**  
**polar white, glossy**  
With LED signal light, bi-colour

04

**berker R.1 plastic**  
**polar white, glossy**  
Combination with hotel card switch,  
toggle switch and signal switch



04



# 01



**01**

berker K.1 plastic, anthracite, matt

**02**

berker K.5 stainless steel, matt

**03**

berker K.5 aluminium, matt

**02**



**03**





01





02

01

berker Serie Glas

02

berker Serie 1930

Porcelain made by Rosenthal  
with individual labelling

03

berker Serie R.classic  
Glass, polar white

03





**01**  
berker Serie 1930 black

**02**  
**berker Serie 1930 black**  
Traditional assembly in one-part surround  
with modern dimming technology

**03**  
**berker Serie 1930 black**  
Available as surface-mounted  
or flush-mounted installation











**berker Serie R.classic**

Rotary toggle and surround made from glossy plastic in piano-black finish, integrated in surround made from stainless steel



01







## 01 | 03

### berker TS

Special solution, polar white, coated,  
with integrated motion detector

## 02

### berker TS Glas transparent

Without facet, with four buttons  
in glossy chrome

## 03





An elegant impression and a 3 mm surround that makes it one of the most slender switch ranges on the market – the **berker R.8**.

With its surround made of glass, it is the flattest switch available. Other material options include aluminium, stainless steel and plastic.

The clever socket-in-socket assembly procedure allows for installation in stone and masonry that appears virtually flush with the wall.

The R.8 can be combined with inserts from the ranges R.1 and R.3, meaning that over 150 switch and socket variations are possible.





01



# 02



## 01

### Touch Panel 16"

Flush-mounted with room controller and pushbutton sensors berker K.1 polar white

## 02

### berker Q.3 polar white

Pushbutton Sensor with thermostat

## 03

### Hager domovea

Control and visualisation software for mobile device (for Apple and Android)



# 03



01



01

berker S.1 anthracite, matt

02

berker Q.1 polar white, velvet  
Thermostat

03

berker Q.1 polar white, velvet  
Pushbutton Sensor KNX and  
cover for HVAC sensors

04

berker S.1 anthracite, matt











**berker W.1 grey/light grey**  
Switch with blue illuminated surround





## 01 | 02

**berker W.1 grey/light grey**  
Double socket

## 03

**berker W.1 grey/light grey**  
Sockets with labelling field, data ports  
Cat. 6

## 04

**berker W.1 grey/light grey**



# 01

## 01

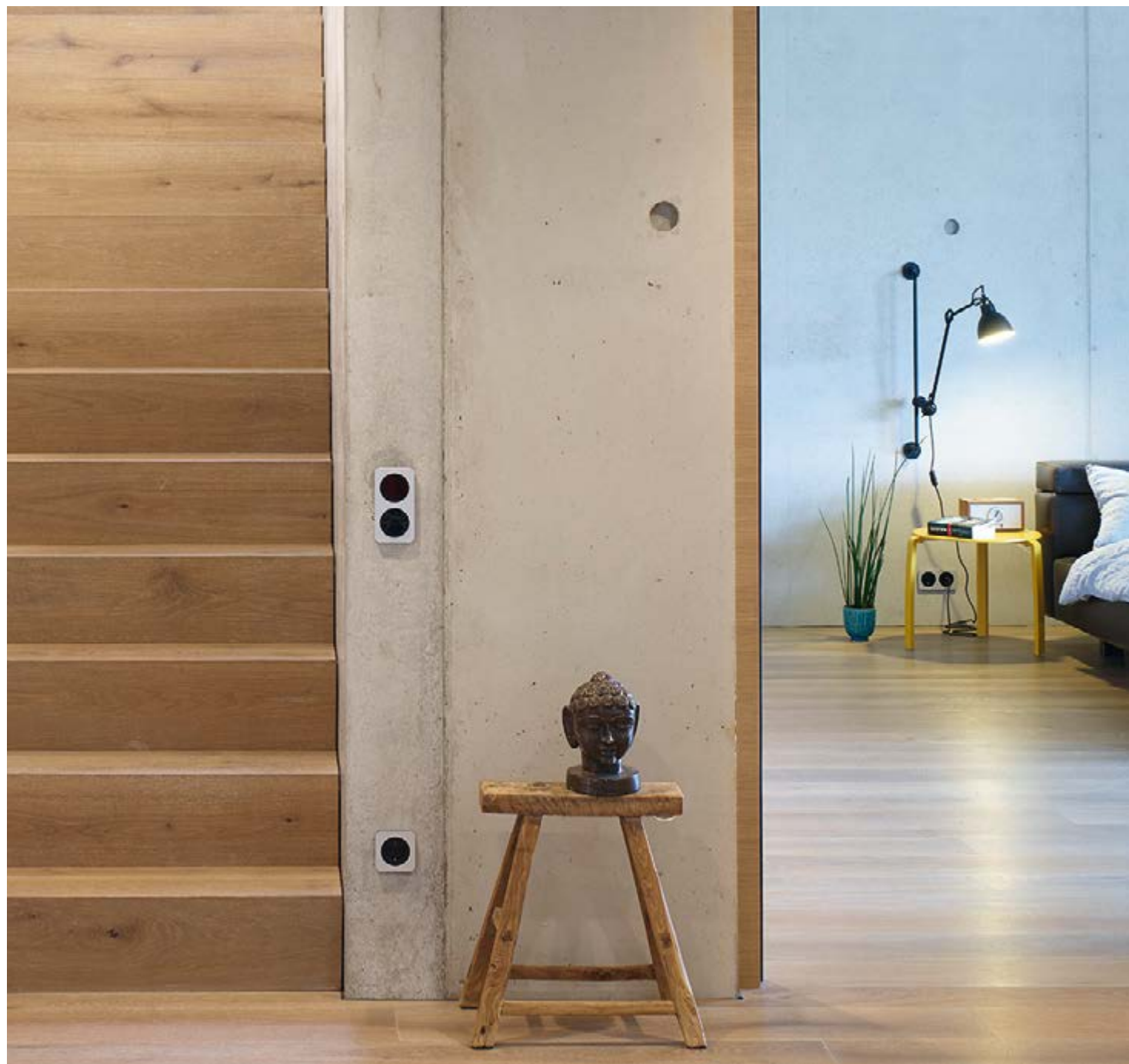
**berker R.1**

Surround made from aluminium; rockers made from plastic, black, glossy

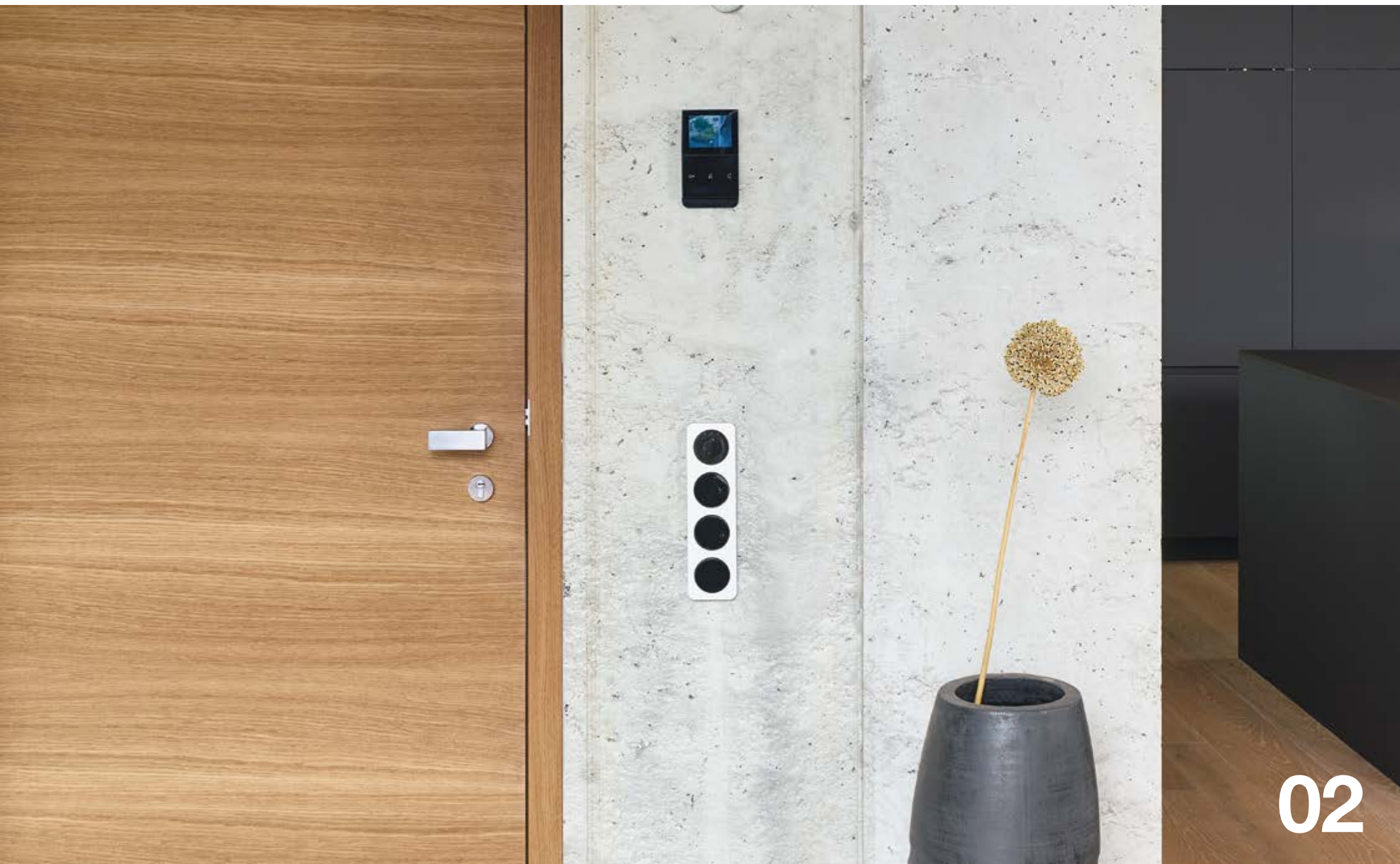
## 02

**berker R.1**

Surround made from aluminium; rockers made from plastic, black, glossy; internal video station **elcom.touch**, black, glossy





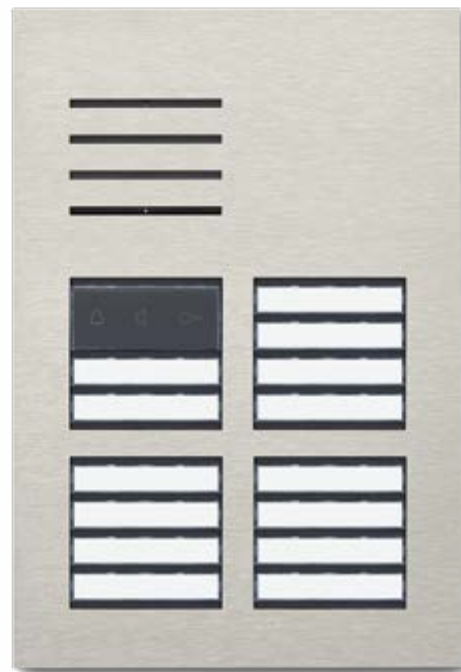


02

01



02





**01**

**elcom.one external video station**  
Stainless steel, matt, with integrated  
biometric access control

**02**

**elcom.one external video station**  
Stainless steel, matt, with LED status  
indicator

**03**

**elcom.esta external audio station**  
Stainless steel, matt, with individual de-  
sign and special labelling

**03**







**External station elcom axent**  
 With **elcom.modesta**  
 modules individually configured.  
 In stele design

# 01



## 01

**elcom.one external video station**  
stainless steel, matt, with status indicator,  
surface-mounted version

## 02

**elcom.one external video station**  
Stainless steel, matt and RAL  
powder-coated

# 02





**03**

**elcom.modesta external station**

Brushed stainless steel, can be configured as a letterbox, individually labelled

**04**

**elcom.esta external video station**

In combination with Renz postbox system

**03**



**04**



# Overview



**berker Q.7**  
Polar white glass  
Slate, anthracite

**berker R.1**  
Oak, stained  
Concrete, polished  
Acrylic orange

**berker R.8**  
**ultra-flat 3 mm**  
Black glass  
Stainless steel  
Polar white glass

**berker R.3**  
Plastic, black  
Stainless steel  
Polar white glass



**berker B.3**  
Aluminium, anthracite  
Aluminium, gold

**berker B.7**  
Plastic, polar white  
Polar white glass  
Plastic, polar white  
Glossy glass, black

**berker Q.3**  
Plastic, anthracite  
Plastic, aluminium  
Plastic, polar white

**berker K.1**  
Plastic, anthracite  
Plastic, polar white

**berker Serie R.classic**

Stainless steel  
Black glass  
Plastic, polar white

**berker serie 1930**

Plastic, black  
Plastic, polar white

**berker serie Glas**

Toggle, chrome  
Plastic insert, black

**berker serie 1930**

Porcelain made by Rosenthal  
Polar white

**berker arsys**

Plastic, polar white  
Plastic white, glossy  
Stainless steel, matt  
Aluminium light bronze

**berker K.5**

Stainless steel, matt  
Aluminium, anodised  
Metal, matt stainless steel  
Plastic matt, polar white

**berker Q.1**

Plastic, aluminium  
Plastic, anthracite  
Plastic, polar white

**berker S.1**

Plastic  
Polar white, matt  
Polar white, glossy







# The look of individuality

## **Manufaktur**

Standard solutions are a thing of the past. Today, there is an ever-growing demand for products that are made to measure: "Individualisation", as the mega trend is known. Hager's Manufaktur can make your ideas and individual requests a reality.

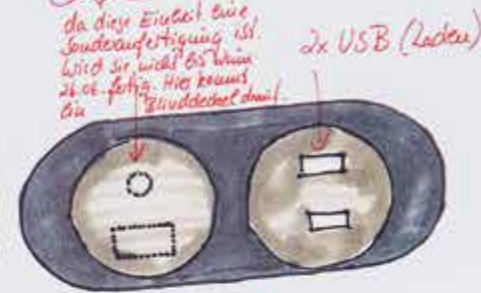
# Where our customers' dreams become reality.

"Our manufactory provides a creative setting in which our customers' wishes can fully take shape – from the first sketch to the very last polish."

(Erwin van Handenhoven, Design Director of the Hager Group)

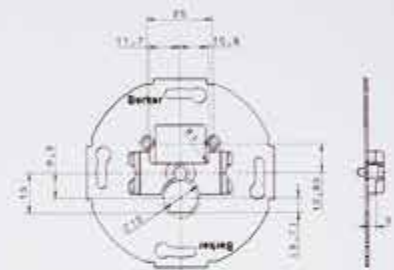
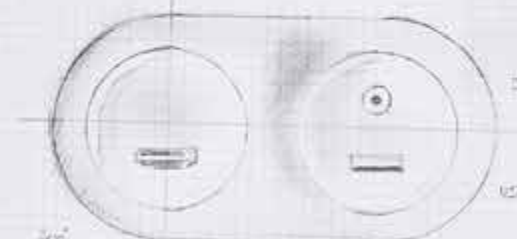






## Doppelbrücken II

Q-Box von Baker, custom made  
Serie 1930

[illegible]

# 01



**01**

**berker R.3 stainless steel,  
black-chrome, matt**  
Equally extraordinary

# 02



**02**

**berker R.1 copper, brushed**  
Equally glamorous

**01**

berker serie 1930, black, matt,  
Softtouch

01



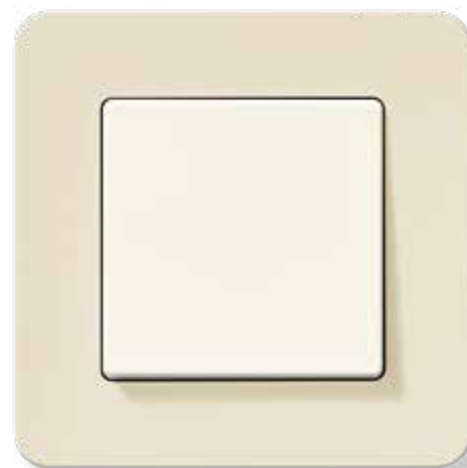
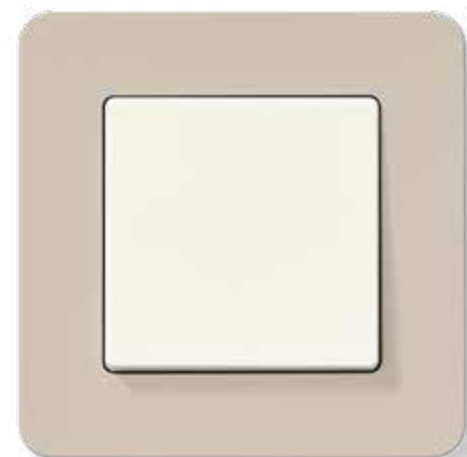




**berker Q.7 mineral colours, matt**

Colour options:

Sand brown, pebble blue, rose quartz,  
pebble grey, mineral mint, moonstone  
blue, basalt green and seashell



Architectural projects are designed to last a small eternity. Doesn't it make a nice change to reflect the latest trends through the interior? This idea was the inspiration behind our decision to incorporate colours into the edition that are part of an emerging trend: Mineral colours.

Erwin van Handenhoven, Design Director of the Hager Group, put together the colour spectrum for the edition. The installation has a certain timelessness to it, thanks to its shape and the combination with white.



01







**01**

**elcom.one external video station**  
PVD-coated in Variantic matt

**02**

**elcom.axent external video station**  
In matt black with LED-backlit name-plates

**03**

**elcom.axent external video station**  
In matt stainless steel with LED-backlit nameplates, call module and biometric access control

**03**



**02**

# 01



## 01

### **elcom.axent external video station**

Individually equipped, in stele design. Door communication columns are replacing doormen. And just as a doorman can bend down to speak to a child, or grant access for lorries, you can choose different column heights: Sitting, standing or tall enough to enable communication with lorries. You can design the column with any Elcom elements. You can even integrate a letterbox which opens towards the front or back.

## 02

Freedom of choice:

Loudspeaker, camera, call button, access control...

all functional elements can be combined in any configuration. Depending on the external dimensions of the front panel, the functional elements fit into standard **elcom.axcent** flush-mounted or surface-mounted housings with no need for screws – or into larger wall sections and hollow walls using a screw fixture.

The dimensions of the front panels can be scaled individually within the limits of what our machines can do.



# 02

**03**

**tehalit.DAP**

Floor connection columns made from aluminium with Softtouch matt black special coating with **berker K.1** inserts for data ports and SCHUKO® sockets.

**04**

**berker serie 1930** rotary toggle  
black, matt, Softtouch

**04**



**03**





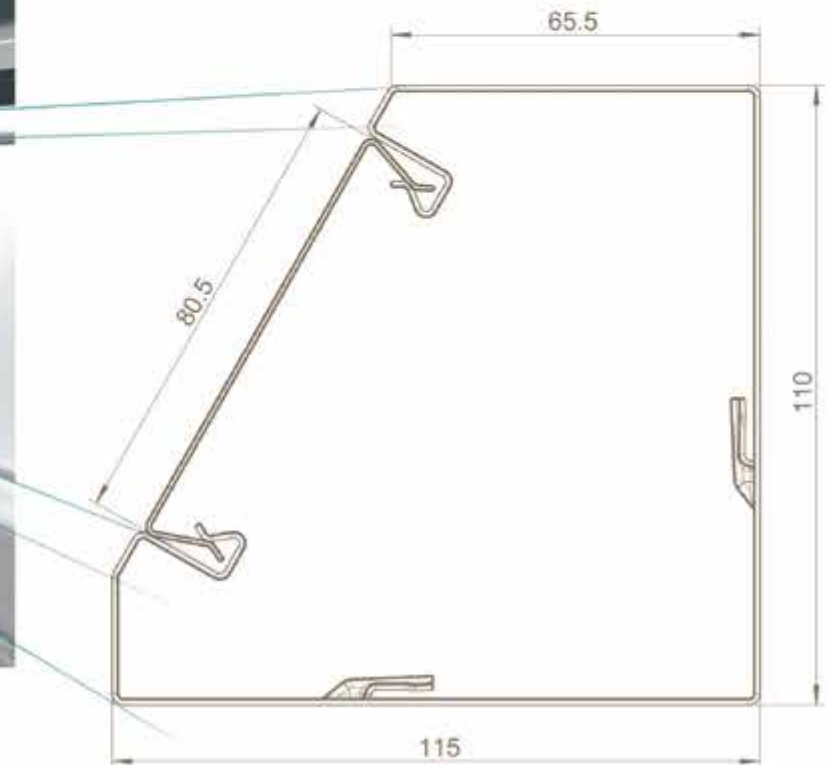
# Beauty with a practical side.



**01**

## Special designs

Sheet steel is the material of choice here. It can take almost any shape imaginable and blend into its surroundings perfectly. If requested, you will also receive dado trunking ex-works, fully fitted and wired so that it is ready to connect.



## 02 Special dimensions

A single step for stress-free construction: Made-to-measure cable routing ducts. We have the experience and the tools to cut even delicate materials like stainless steel perfectly. Simply order via the manufactory.



## 03 Special colours

The entire palette of RAL colours and RAL design colours, Sikkens paints, NCS paints, DB colours and bathroom colours as well as a diverse range of film options are available for you to choose from when it comes to using the cable routing to highlight certain features. Additionally, manufacturer-specific mixtures and powder coatings with metallic effects are available. You also have the option to vary the material. For example, stainless steel, V2A steel or V4A steel – natural, polished or brushed.





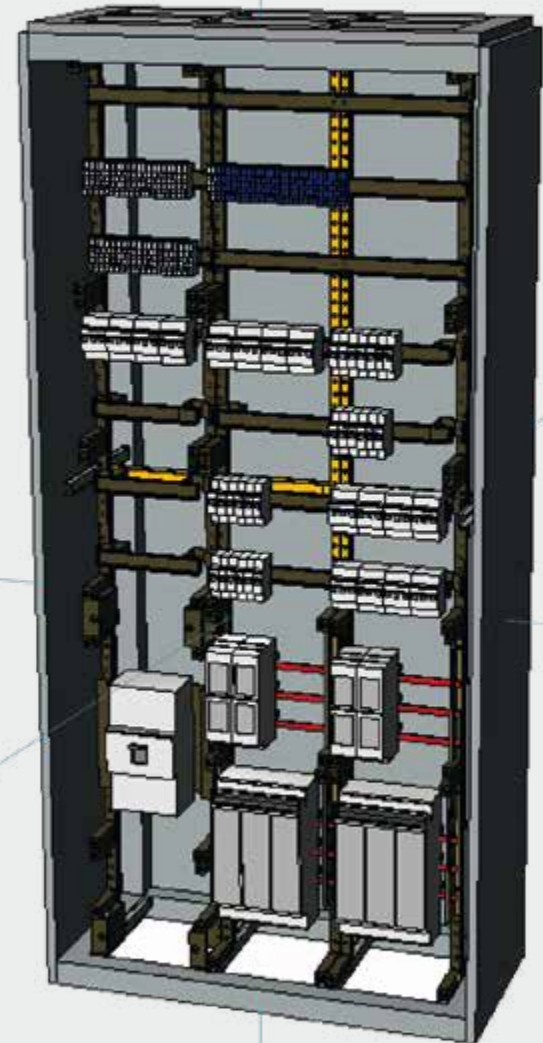


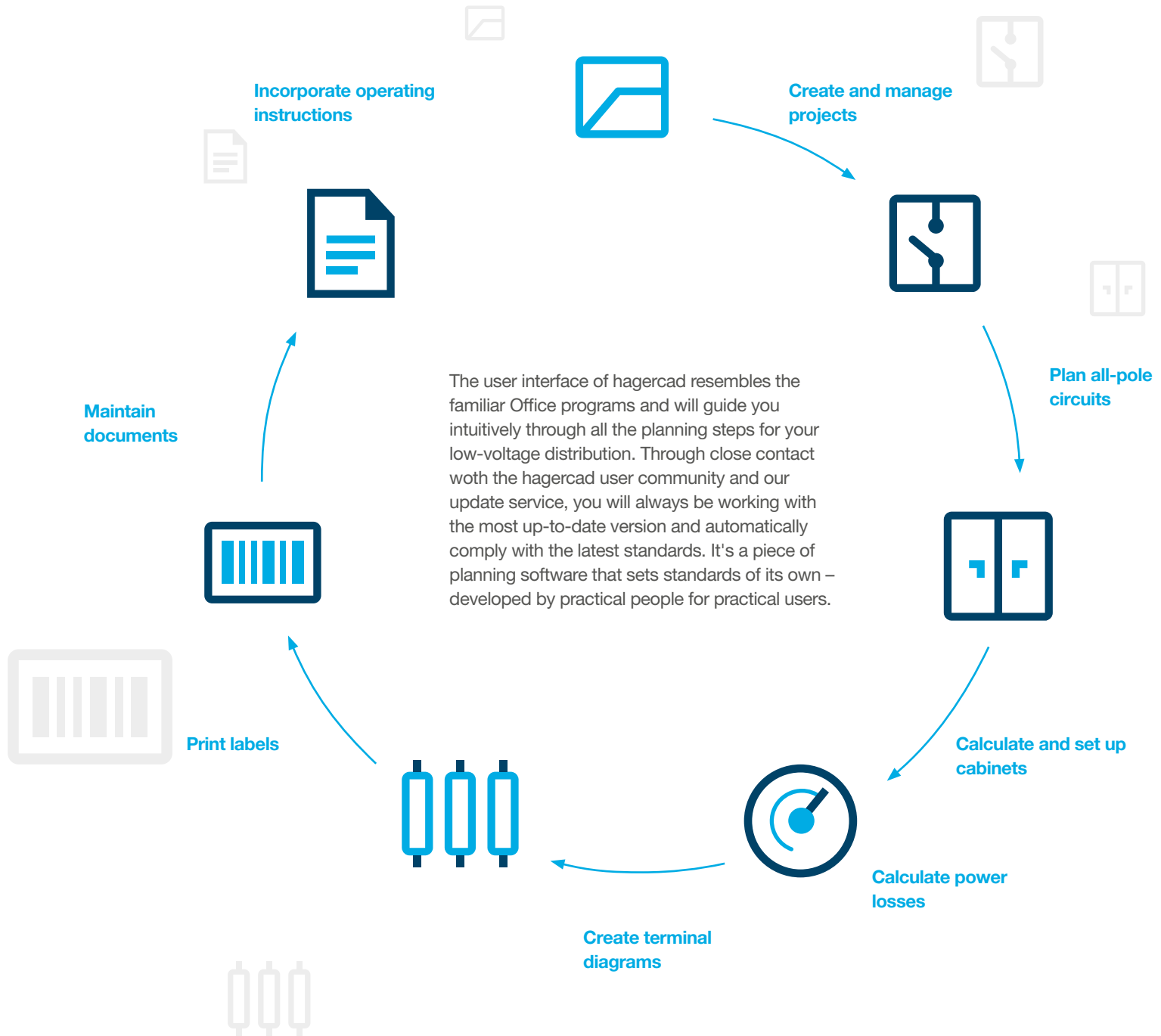
# Tools and services

We'll supervise your project from beginning to end. More specifically: From the initial tender, through the planning stage, all the way through to final commissioning. With our tailor-made software solutions, we will guide you step by step to your goal. We're even happy take it a step further, and assist you by providing competent specialists on-site.

# Calculating switching systems: hagercad

More reliability in planning, less time required: With hagercad, you can configure low-voltage switchgears more simply and clearly than ever before – even in 3D, if desired. Seven modules that are perfectly attuned to one another will support you in all planning and documentation steps.



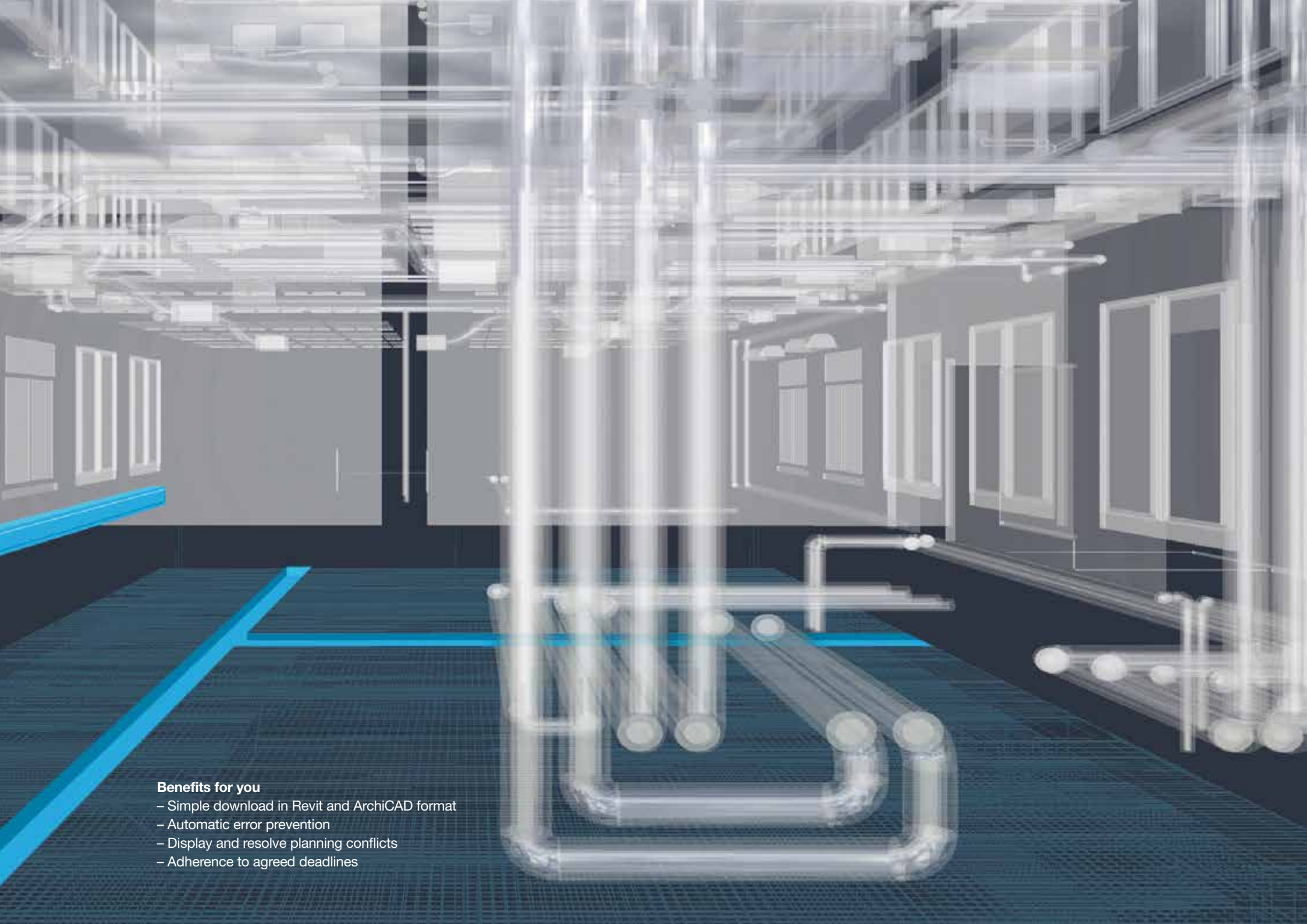




# Visualise projects: With BIM

Quick, efficient and clear: Building Information Modeling (BIM) allows for complete digital planning of new buildings in 3D. From now on, you can import all underfloor systems and dado trunking systems from Hager as BIM objects in all common BIM programs – available at [hager.de](https://hager.de) or direct in the cross-manufacturer BIM data portal.





**Benefits for you**

- Simple download in Revit and ArchiCAD format
- Automatic error prevention
- Display and resolve planning conflicts
- Adherence to agreed deadlines

# Technology and design from a single source

For a building project to be truly successful, everything has to fit neatly together – technologies and technical standards, structure and design, measurements and schedules. And that is why we provide you with every service from a single source: Future-proof electronic technology and door communication systems from Hager, acclaimed switch ranges from Berker. Having a dedicated contact for all three areas gives you ultimate peace of mind that everything in your project is running smoothly.







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