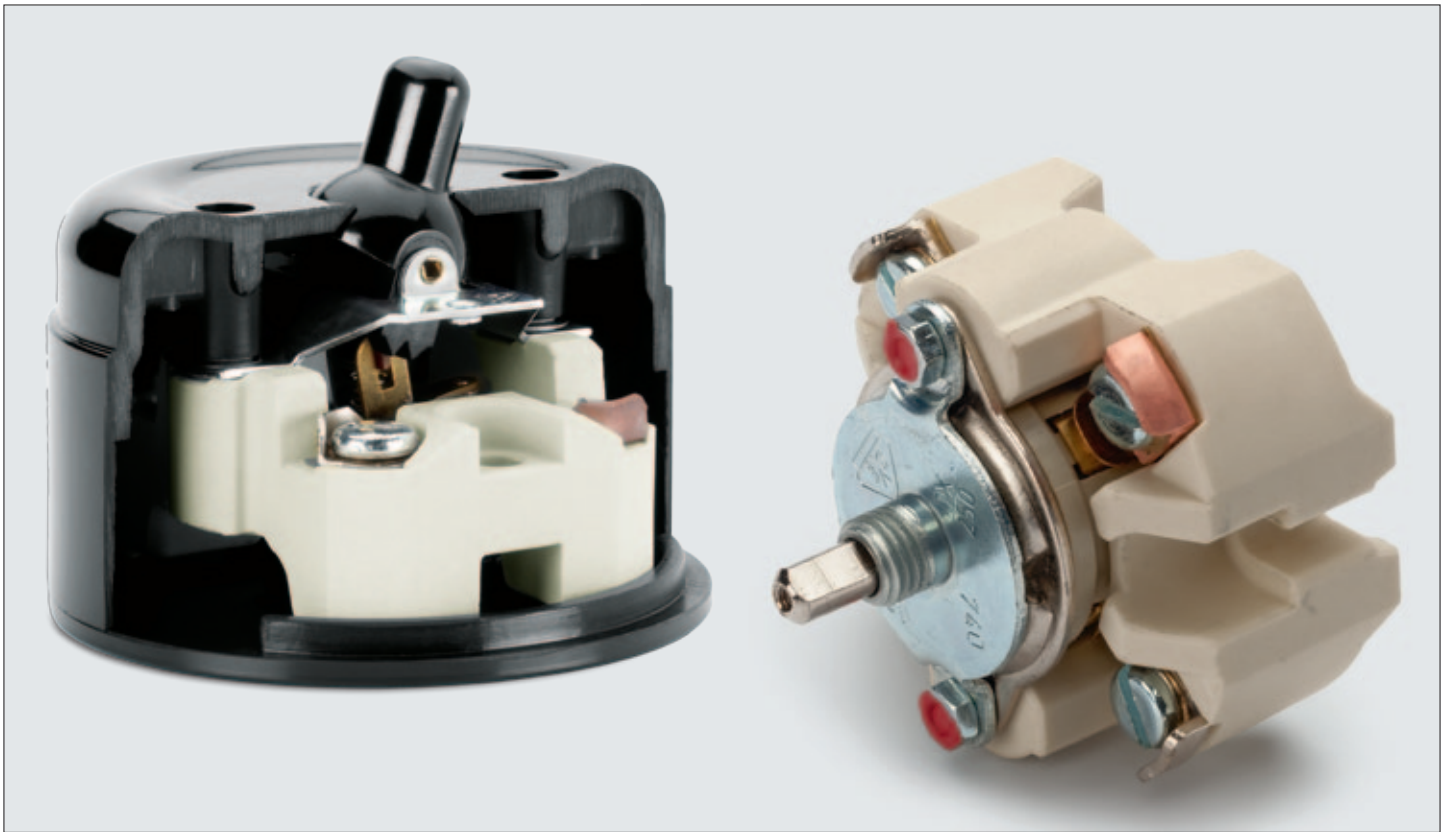


## Switches

made of porcelain, bakelite and glass.





## Quality inside and out. A cut above the rest. Our light switching systems.

Our switching systems are produced in Thuringia (porcelain covers and central inserts) and in Westphalia (bakelite covers, central inserts and switching mechanisms).

These materials even have experts taking a second look: At trade fairs we regularly see architects tapping and feeling the material to see whether it really is genuine. Which it is, of course, and not only superficially, but through and through – for covers made of bakelite the material walls are at least 2,5 mm thick, and the porcelain covers are 13 mm thick.

The inner workings are made to match: The main units for the rotary, rocker and toggle switches are made of ceramic material. And: Our rotary switches are still true rotary switches in which the contacts are opened and closed through rotation. These days, that is not always the case, many other rotary switches are really rocker switches which are operated via a turning knob. The difference can be both felt and heard.

Bakelite is a registered trademark of Momentive Specialty Chemicals Inc. The white bakelite series is formed from the same material as the black one. However, the white material is produced by a different manufacturer. Strictly speaking, it should therefore be called by the brand name bakelite, but by the generic name duroplast. To make it easier to distinguish items, we use the designation bakelite for items from black series, and duroplast for white ones.

The following pages contain detailed information about the systems and components which we supply. If you require further information or cannot find the part which you need, please do not hesitate to contact us. We shall be glad to advise you, your architects, planners and fitters on any queries you might have.

### **The internal structure: Ceramic switches.**

#### **Influenced by nautical electric engineering.**

In some sectors, these types of rotary switches have survived until today – this is generally the case where dependability and durability are a top priority and where relying on the robust mechanical operation of switches is critical despite frequent use of co-current electricity: this is the case in shipbuilding and industrial applications.

Our switches' mechanisms are produced by CAW (Casp. Arn. Winkhaus) in Halver near Lüdenscheid; they have been making electrotechnical installation products since 1910, and we have developed our switch series in close cooperation with them. The over-centre device of the ceramic switch which consists of 42 parts is the result of great mechanical precision: it keeps consistent switch contact regardless of the speed of the turning motion and is closed with a loud clicking noise - it not only sounds great, but it also protects the material, since it prevents the harmful arc effect, which can also arise with alternating currents, and damage switch contacts in the long-term.

The over-centre device is also galvanised to ensure safe operation.



Of course, all of our products have the VDE test mark if testing applies.



**Covers and combination options**

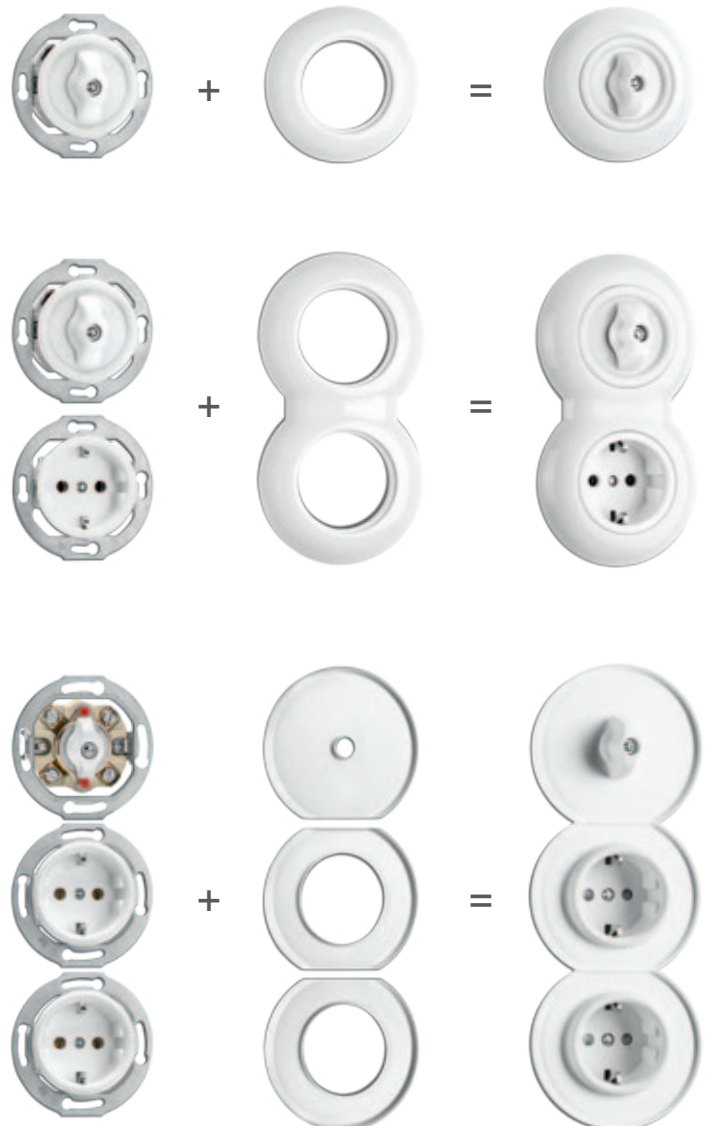
**Single, double and multiple combinations**

Switches and power outlets are delivered without outside faceplates. For the inserts of the white porcelain series faceplates are available as single and double covers as well as system faceplates. Thanks to these system faceplates, various combinations of different elements (for example, a power outlet and a switch) or identical elements (for example three power outlets) can be combined and mounted. All porcelain switches and power outlets can be combined with one another. The only exception are data and telephone jacks, antennae outlets and speaker wall sockets which cannot be mounted in the porcelain double cover.

For the inserts of the black and white bakelite series are single round and square faceplates available as well as square double and triple faceplates.

For the black and white bakelite inserts for the glass series are single and system faceplates available.

The distances of the inserts in all multiple and system coverings are consistent with standard spacing and can be easily used with existing installations. The switch systems fit in all standard concealed outlets.





## Porcelain switch system

### From nuisance to pleasure: The porcelain switch system

From the beginning of the electrical age and several decades to follow, the porcelain and ceramics industry was the most important provider of electrical technology: Casings, switch pieces and housings were made from this attractive material that, apart from its aesthetic qualities, has tangible technical benefits: it insulates and is extremely tough.

It is hard to understand why today's porcelain material for electrical switch systems can generally only be found in industrial use. This fact can only be explained by the dominant business mentality "more, faster, cheaper".

The producers of technical porcelain - based primarily in the Bavarian Forest and in Thuringia - are desperately searching for new fields in which to apply their highly-developed skills. We have brought together a producer of electro-technical switches from Westphalia and a producer of electro-technical porcelain from Thuringia. The result is this porcelain switch system what is now for more than ten years established on the market. It is both functional and pleasant in three ways: to the eye, to the touch and to the ear (thanks to the enjoyable "klack" sound of the rotary switch).

### The faceplate and the pushbutton: electro-technical porcelain...

All porcelain parts originate from Schierschnitz in Thuringia, where electro-technical porcelain has been produced since 1913. The porcelain is moulded under a pressure of 35–40 MPa into metal mouldings, then glazed and sintered at a temperature of 1320–1330° C. (The porcelain used, type C 110, also meets standards for material characteristics defined in DIN VDE 0335 part 3.)

### ... and duroplast.

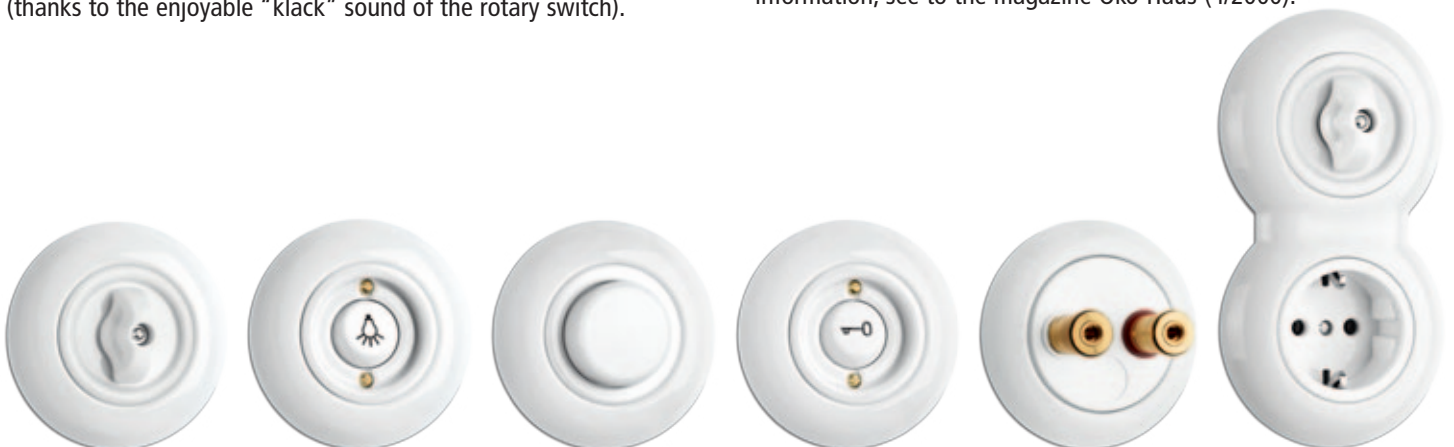
For safety reasons, the inset of the porcelain power outlet is thermoformed in a matching colour duroplast.



All switched and power outlets meet the safety regulations of the VDE Association for Electrical, Electronic & Information Technologies.

### Recommended:

The porcelain switch system was rated "recommendable" by consumer rights organisation Öko-Test. For background information, see to the magazine Öko-Haus (4/2000).

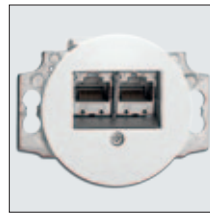




**OUTLET WITH SAFETY CONTACT PORCELAIN**

16 A, AC 250V

Duroplast central insert. With spring clips.

**Without integr. child protection** Order-no. 173067**With integrated child protection** Order-no. 173068**OUTLET WITH MIDDLE-SAFETY CONTACT PORCELAIN**  
(French version)**With integrated child protection** Order-no. 175835**DATA JACK PORCELAIN**

Duroplast central insert.

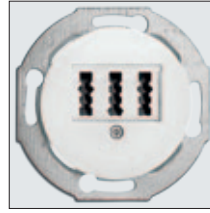
For 2 network adapters RJ45 (real.Cat.6a).

Order-no. 181978

**Note:** We recommend concealed sockets with increased socket volume for easy data socket installation.**ROTARY SWITCH PORCELAIN**

10 A, 10 AX, AC 250V

Porcelain central insert and locking bolt. With spring clips.

**Alternation switch** Order-no. 186880**Crossbar switch** Order-no. 186881**Multi-circuit switch** Order-no. 186879**Blind switch** Order-no. 186894**TELEPHONE JACK PORCELAIN**

TAE 3x6 NFN

Duroplast central insert.

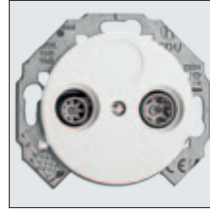
For 1 telephone and 2 additional devices or data terminals.

3 x 6 pole, 6 screwed contacts. Order-no. 150117

**TOGGLE SWITCH PORCELAIN**

10 A, 10 AX, AC 250V

Porcelain central insert. Duroplast compensator.

**Alternation switch** Order-no. 173073**Crossbar switch** Order-no. 173074**Control switch** Order-no. 173075**ANTENNAE OUTLET PORCELAIN**

Duroplast central insert.

HF-resistant metal housing. BZT-authorisation.

Radio and television adapter for systems with amplifiers or cable. Passage and terminal box. Order-no. 150121

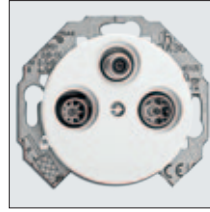
**ROCKER BUTTON WITHOUT SYMBOL PORCELAIN**

10 A, AC 250V

Porcelain central insert. Duroplast compensator.

Order-no. 173076

Rocker button without symbol also available as an opener.

**ROCKER BUTTON LIGHT PORCELAIN**

10 A, AC 250V

Porcelain central insert. Duroplast compensator with light symbol.

Order-no. 173077

Glow lamp for buttons and control switch

Order-no. 173066

The lower screw is replaced by the glow lamp.

**ROCKER BUTTON BELL PORCELAIN**

10 A, AC 250V

Porcelain central insert. Duroplast compensator with bell symbol.

Order-no. 173078

**ROCKER BUTTON DOOR OPENER PORCELAIN**

10 A, AC 250V

Porcelain central insert. Duroplast compensator with key symbol.

Order-no. 173079

**DIMMER PORCELAIN**

AC 230V, 50Hz

Porcelain central insert and dimming knob.

For 60–600 W light bulbs

Pressure alternation Order-no. 173080

For low voltage halogen lamps with electronic transformer and 20–315 W light bulbs.

Pressure alternation Order-no. 173082

For low voltage halogen lamps with magnetic transformer 20–500 VA and 20–500 W light bulbs.

Pressure alternation Order-no. 173084

Other dimmers are available upon request.

**SINGLE COVERING PORCELAIN**

82 mm Ø.

For assembly of all components with central insert excluding data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173085

For assembly of data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173086

**SYSTEM COVERING WAIST PORCELAIN**

82 mm Ø.

For assembly of all components with central insert excluding data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173087

**EXTERNAL SYSTEM COVERING PORCELAIN**

82 mm Ø.

For assembly of all components with central insert excluding data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173088

For assembly of data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173089

**DOUBLE COVERING PORCELAIN**

External dimension 153 x 82 mm.

For assembly of all components with central insert excluding data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173090



Bakelite is a registered trademark of Momentive Specialty Chemicals Inc.

## The black bakelite switch system

### The second switch system: black and bakelite.

Porcelain and bakelite coexisted harmoniously for many years, and both switch colours, white porcelain and black bakelite, were equally popular. The synthetic resin bakelite was found to be an ideal material for electro-technical applications: its stability was unmatched and its temperature resistance and insulation were tremendous.

The material remained common in light switches and power outlets into the 1960's, but then bakelite was replaced by cheaper synthetic materials. With the spread of thermoplastic as the new switch material, bakelite virtually disappeared from the scene. However, there is no comparison between bakelite and thermoplastic: Bakelite is much heavier and more pleasant to the eye and to the touch. This is due to its production. Instead of being produced using the injection-moulding procedure, bakelite is moulded directly from its raw form using the "matrix method". With the successful development of the porcelain switch system, we have set out to restore this harmonious coexistence. In close cooperation with the company CAW, we have brought the lost moulds and tools back into production and have found material

manufacturers who are masters at processing bakelite – a skill which can no longer be taken for granted.

The result is the bakelite switch system: just like its porcelain counterpart, it is both functionally and aesthetically superior to other synthetic mouldings.



Of course, these switches and mains sockets also have the VDE test mark.

### Information about bakelite.

When Leo H. Baekeland registered the patent for the production of the first completely synthetic material in 1908, he was aware of the hardships faced by the electronic industry, which was in dire need of a substitute material for the expensive material shellac. His bakelite, the first-ever thermosetting synthetic material, made it possible to manufacture items for daily use at relatively low cost using pressing moulds. The new material was quickly adopted for the production of many household products: starting with knobs and switches, then moving to radios, telephones and even typewriters.



**OUTLET WITH SAFETY CONTACT BAKELITE**

16 A, AC 250V  
Bakelite central insert. With spring clips.

**Without integr. child protection** Order-no. 173038

**With integrated child protection** Order-no. 174527

**OUTLET WITH MIDDLE-SAFETY CONTACT BAKELITE**

(French version)

**With integrated child protection** Order-no. 175833

**DATA JACK BAKELITE**

Bakelite central insert.  
For 2 network adapters RJ45 (real.Cat.6a).

Order-no. 100722

**Note:** We recommend concealed sockets with increased socket volume for easy data socket installation.

**ROTARY SWITCH BAKELITE**

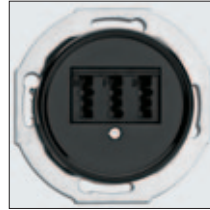
10 A, 10 AX, AC 250V  
Bakelite central insert and locking bolt. With spring clips.

**Alternation switch** Order-no. 186883

**Crossbar switch** Order-no. 186884

**Multi-circuit switch** Order-no. 186882

**Blind switch** Order-no. 186895

**TELEPHONE JACK BAKELITE**

TAE 3x6 NFN

Bakelite central insert.

For 1 telephone and 2 additional devices or

data terminals. 3 x 6 pole, 6 screwed contacts.

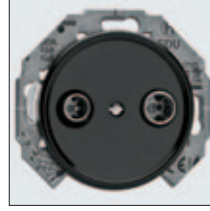
Order-no. 100721

**TOGGLE SWITCH BAKELITE**

10 A, 10 AX, AC 250V  
Bakelite central insert and toggle.

**Alternation switch** Order-no. 173043

**Crossbar switch** Order-no. 173044

**ANTENNAE OUTLET BAKELITE**

Bakelite central insert.

HF-resistant metal housing. BZT-authorisation.

Radio and television adapter for systems with amplifiers or cable. Passage and terminal box.

Order-no. 100723

**CONTROL SWITCH BAKELITE**

10 A, 10 AX, AC 250V  
Bakelite central insert and compensator.

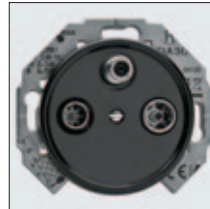
Order-no. 173047

**ROCKER BUTTON WITHOUT SYMBOL BAKELITE**

10 A, AC 250V  
Bakelite central insert and compensator.

Order-no. 173054

Rocker button without symbol also available as an opener.

**ROCKER BUTTON LIGHT BAKELITE**

10 A, AC 250V  
Bakelite central insert and compensator with lamp symbol.

Order-no. 173055

Glow lamp for buttons and control switch

Order-no. 173066

The lower screw is replaced by the glow lamp.

**SINGLE COVERING BAKELITE**

82 mm Ø.

For assembly of all components with central insert excluding dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 173063

For assembly of dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 174940

**ROCKER BUTTON BELL BAKELITE**

10 A, AC 250V  
Bakelite central insert and compensator with bell symbol.

Order-no. 173056

**SINGLE COVERING SQUARE BAKELITE**

82 x 82 mm.

For assembly of all components with central insert excluding dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 119328

For assembly of dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 119327

**ROCKER BUTTON DOOR OPENER BAKELITE**

10 A, AC 250V  
Bakelite central insert and compensator with key symbol.

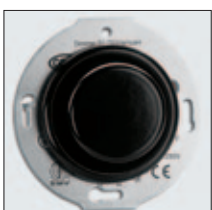
Order-no. 173057

**DOUBLE COVERING BAKELITE**

External size 157 x 82 mm.

For assembly of all components with central insert.

Order-no. 173064

**DIMMER BAKELITE**

AC 230V, 50Hz  
Bakelite central insert and dimming knob.

For 60–600 W light bulbs.

Pressure alternation Order-no. 173058

For low voltage halogen lamps with electronic transformer and 20–315 W light bulbs

Pressure alternation Order-no. 173060

For low voltage halogen lamps with magnetic transformer 20–500 VA and 20–500 W light bulbs

Pressure alternation Order-no. 173062

Other dimmers are available upon request.

**TRIPLE COVERING BAKELITE**

External size 228 x 82 mm.

For assembly of all components with central insert.

Order-no. 173065





## The white bakelite switch system – duroplast

The white duroplast series (today more popular for modern switches and outlets) corresponds technically to the black bakelite series. All cover plates, switch buttons and outlet elements in the series are made of lightfast white duroplast.

Like in all other series, the insides of these switches originate from CAW. As early as in 1910, CAW was granted a patent for an electric rotary switch with a movable contact bridge on an annular track.



Of course, all of our products have the VDE test mark if testing applies.



Letters patent from 1910





**OUTLET WITH SAFETY CONTACT DUROPLAST**

16 A, AC 250V  
Duroplast central insert. With spring clips.

**Without integr. child protection** Order-no. 176400

**With integrated child protection** Order-no. 180810

**OUTLET WITH MIDDLE-SAFETY CONTACT DUROPLAST**

(French version)  
**With integrated child protection** Order-no. 184728

**DATA JACK DUROPLAST**

Duroplast central insert.  
For 2 network adapters RJ45 (real.Cat.6a).

Order-no. 100726

**Note:** We recommend concealed sockets with increased socket volume for easy data socket installation.

**ROTARY SWITCH DUROPLAST**

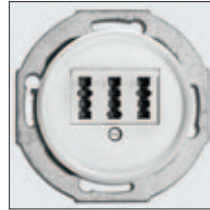
10 A, 10 AX, AC 250V  
Duroplast central insert and locking bolt. With spring clips.

**Alternation switch** Order-no. 186886

**Crossbar switch** Order-no. 186887

**Multi-circuit switch** Order-no. 186885

**Blind switch** Order-no. 186896

**TELEPHONE JACK DUROPLAST**

TAE 3x6 NFN

Duroplast central insert.

For 1 telephone and 2 additional devices or data terminals.

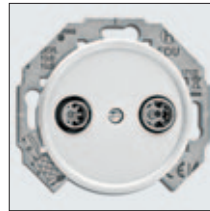
3 x 6 pole, 6 screwed contacts. Order-no. 100725

**TOGGLE SWITCH DUROPLAST**

10 A, 10 AX, AC 250V  
Duroplast central insert and toggle.

**Alternation switch** Order-no. 176405

**Crossbar switch** Order-no. 176406

**ANTENNAE OUTLET DUROPLAST**

Duroplast central insert.

HF-resistant metal housing. BZT-authorisation.

Radio and television adapter for systems with amplifiers or cable. Passage and terminal box. Order-no. 100727

**CONTROL SWITCH DUROPLAST**

10 A, 10 AX, AC 250V  
Duroplast central insert and compensator.

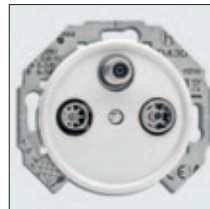
Order-no. 176407

**ROCKER BUTTON WITHOUT SYMBOL DUROPLAST**

10 A, AC 250V  
Duroplast central insert and compensator.

Order-no. 176408

Rocker button without symbol also available as an opener.



Radio and television adapter for systems with amplifiers according DIN 45330 with additional satellite outlet (F-adapter). Terminal box, digitally compatible.

Order-no. 100728

**ROCKER BUTTON LIGHT DUROPLAST**

10 A, AC 250V  
Duroplast central insert and compensator with lamp symbol.

Order-no. 176409

Glow lamp for buttons and control switch

Order-no. 173066

The lower screw is replaced by the glow lamp.

**SINGLE COVERING DUROPLAST**

82 mm Ø.

For assembly of all components with central insert excluding dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 176421

For assembly of dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 181997

**ROCKER BUTTON BELL DUROPLAST**

10 A, AC 250V  
Duroplast central insert and compensator with bell symbol.

Order-no. 176410

**SINGLE COVERING SQUARE DUROPLAST**

82 x 82 mm.

For assembly of all components with central insert excluding dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 119330

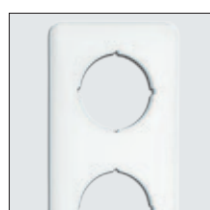
For assembly of dimmer, data and telephone jack, antennae outlets and speaker wall sockets.

Order-no. 119329

**ROCKER BUTTON DOOR OPENER DUROPLAST**

10 A, AC 250V  
Duroplast central insert and compensator with key symbol.

Order-no. 176411

**DOUBLE COVERING DUROPLAST**

External size 157 x 82 mm.

For assembly of all components with central insert.

Order-no. 176422

**DIMMER DUROPLAST**

AC 230V, 50Hz  
Duroplast central insert and dimming knob.

For 60–600 W light bulbs  
Pressure alternation Order-no. 176413

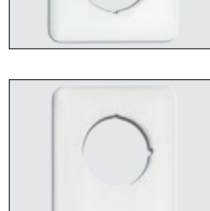
For low voltage halogen lamps with electronic transformer and 20–315 W light bulbs

Pressure alternation Order-no. 176415

For low voltage halogen lamps with magnetic transformer 20–500 VA and 20–500 W light bulbs

Pressure alternation Order-no. 176417

Other dimmers are available upon request.

**TRIPLE COVERING DUROPLAST**

External size 228 x 82 mm.

For assembly of all components with central insert

Order-no. 176423



Bakelite is a registered trademark of Momentive Specialty Chemicals Inc.

## A new switch series: cut glass and bakelite.

Light switches with glass covers – as used in our other series – have already existed before, in the 1930s. With our glass covers, manufactured from a special, highly transparent glass, switches are rendered almost invisible. In addition, pretreatment makes the glass resistant to any splintering at the edges. It is beveled at a 45° angle and lavishly polished to ensure the perfect optical finish. The switch can even be easily papered over. It does require some extra attention during installation, but the outstandingly subtle look certainly compensates the extra effort. Our new covers are available in six variations and can be used with all rotary switches and central inserts from our black and white bakelite series. There are particular models that have been tailored to work with the glass covers.

A specialist company from Bavaria manufactures the glass components. The four-millimeter thick glass plates are thermally hardened. The Optiwhite glass used sets them apart from comparable covers through its superior transparency. You will hardly see these covers.



As with all of our series, the electrical components are produced in the Sauerland region and have the VDE test mark if testing applies.







**OUTLET WITH SAFETY CONTACT FOR GLASS COVERING**  
16A, AC 250V. Bakelite or Duroplast central insert. With spring clips.

Without integrated child protection

Bakelite Order no. 100638  
Duroplast Order no. 100663

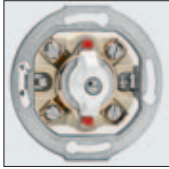
With integrated child protection

Bakelite Order no. 100639  
Duroplast Order no. 100664

**OUTLET WITH MIDDLE-SAFETY CONTACT FOR GLASS COVERING**

With integrated child protection

Bakelite Order no. 100640  
Duroplast Order no. 100665



**ROTARY SWITCH FOR GLASS COVERING**  
10A, 10 AX, AC 250V. Bakelite or Duroplast locking bolt. With spring clips.

Alternation switch

Bakelite Order no. 100641  
Duroplast Order no. 100666

Crossbar switch

Bakelite Order no. 100642  
Duroplast Order no. 100667

Multi-circuit switch

Bakelite Order no. 100643  
Duroplast Order no. 100668

Blind switch

Bakelite Order no. 100644  
Duroplast Order no. 100669



**ROTARY SWITCH WITH CENTRAL INSERT FOR GLASS COVERING**  
10A, 10 AX, AC 250V. Bakelite or Duroplast central insert and locking bolt. With spring clips.

Alternation switch

Bakelite Order no. 100645  
Duroplast Order no. 100670

Crossbar switch

Bakelite Order no. 100646  
Duroplast Order no. 100671

Multi-circuit switch

Bakelite Order no. 100647  
Duroplast Order no. 100672

Blind switch

Bakelite Order no. 100648  
Duroplast Order no. 100673



**TOGGLE SWITCH FOR GLASS COVERING**  
10A, 10 AX, AC 250V. Bakelite or Duroplast central insert and toggle.

Alternation switch

Bakelite Order no. 100649  
Duroplast Order no. 100674

Crossbar switch

Bakelite Order no. 100650  
Duroplast Order no. 100675



**CONTROL SWITCH FOR GLASS COVERING**  
10A, 10 AX, AC 250V. Bakelite or Duroplast central insert and compensator.

Bakelite Order no. 100651  
Duroplast Order no. 100676

**ROCKER BUTTON WITHOUT SYMBOL FOR GLASS COVERING**

10A, AC 250V. Bakelite or Duroplast central insert and compensator.  
Bakelite Order no. 100652  
Duroplast Order no. 100677



**ROCKER BUTTON LIGHT FOR GLASS COVERING**  
10A, AC 250V. Bakelite or Duroplast central insert and compensator with light symbol.

Bakelite Order no. 100653  
Duroplast Order no. 100678

The lower screw is replaced by the glow lamp.



**ROCKER BUTTON BELL FOR GLASS COVERING**  
10A, AC 250V. Bakelite or Duroplast central insert and compensator with bell symbol.

Bakelite Order no. 100654  
Duroplast Order no. 100679



**ROCKER BUTTON DOOR OPENER FOR GLASS COVERING**  
10A, AC 250V. Bakelite or Duroplast central insert and compensator with key symbol.

Bakelite Order no. 100655  
Duroplast Order no. 100680



**DIMMER FOR GLASS COVERING**  
AC 230V, 50Hz. Bakelite or Duroplast central insert and dimming knob.

For 60–600 W light bulbs. Pressure alternation.

Bakelite Order no. 100656  
Duroplast Order no. 100681

For low voltage halogen lamps with electric transformer and 20–315 W light bulbs. Pressure alternation.

Bakelite Order no. 100657  
Duroplast Order no. 100682

For low voltage halogen lamps with magnetic transformer and 20–500 W light bulbs. Pressure alternation.

Bakelite Order no. 100658  
Duroplast Order no. 100683

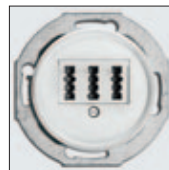
Other dimmers are available upon request.



**DATA JACK FOR GLASS COVERING**  
For 2 network adapters RJ45 (real.Cat6a). Bakelite or Duroplast central insert.

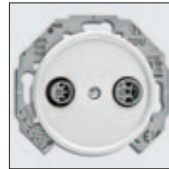
Bakelite Order no. 100659  
Duroplast Order no. 100684

**Note:** We recommend concealed sockets with increased socket volume for easy data socket installation.



**TELEFONSTECKDOSE FOR GLASS COVERING**  
TAE 3x6 NFN. For 1 telephone and 2 additional devices or data terminals. 3 x 6 pole, 6 screwed contacts. Bakelite or Duroplast central insert.

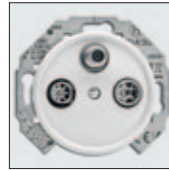
Bakelite Order no. 100660  
Duroplast Order no. 100685



**ANTENNAE OUTLET FOR GLASS COVERING**  
HF-resistant Metal housing. BZT-authorisation. Bakelite or Duroplast central insert.

Radio- and television adapter for systems with amplifiers or cable. Passage and terminal box.

Bakelite Order no. 100661  
Duroplast Order no. 100686



Radio- and television adapter for systems with amplifiers according DIN 45330 with additional satellite outlet. Passage and terminal box.


Bakelite Order no. 100662  
Duroplast Order no. 100687



**SINGLE COVERING GLASS**

82 mm Ø.  
For assembly of components with central insert.

Order no. 100609


 For assembly of rotary switch without central insert.  
Order no. 100608



**SYSTEM COVERING WAIST GLASS**

82 mm Ø.  
For assembly of components with central insert.

Order no. 100611


 For assembly of rotary switch without central insert.  
Order no. 100610



**EXTERNAL SYSTEM COVERING GLASS**

82 mm Ø.  
For assembly of components with central insert.

Order no. 100613

 For assembly of rotary switch without central insert.  
Order no. 100612



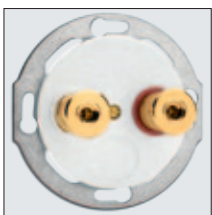


## Free flowing music. Our audio wall sockets with WBT jacks.

High-end audiophilism has long left the ranks of unfounded theories – the differences are both measurable and perceptible. Often the weakest link is that, which has the most influence over the overall result. Up until a few years ago, this had usually been the plug connection that would rob the system and its expensive cables of its crisp sound. However, all this changed when the German company WBT redesigned its plugs and jacks according to audiophile principles.

In the end, it is all about designing an interface between the cables and components that eliminates the possibility of physical phenomena that could disrupt or minimise performance. Since high purity and therefore softer metals are used for this purpose,

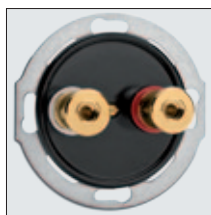
redesigning the basic structure of the supporting frame was also necessary. The transmitting systems have a minimalistic design. Direct comparisons demonstrated the crisp, powerful and crystal clear sound playback with this construction. That's why we wasted no time in installing them in the wall sockets of our switch series. This means that great sound is possible without having metres of cable running through the room. They can be concealed and create alternative locations for speakers or even junctions into neighbouring rooms. Our wall sockets can also be used as connection terminals for most speakers. For optimal results, these components should only be used in combination with WBT plugs and high-quality cables.



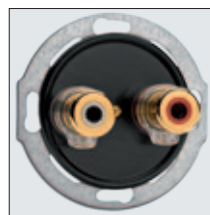
**SPEAKER WALL SOCKET  
WBT PORCELAIN**  
Order no. 100741



**SPEAKER WALL SOCKET  
WBT NEXTGEN™  
PORCELAIN**  
Order no. 100742



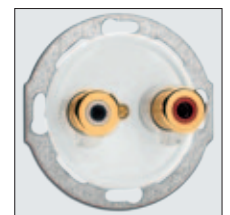
**SPEAKER WALL SOCKET  
WBT BAKELITE**  
Order no. 100737



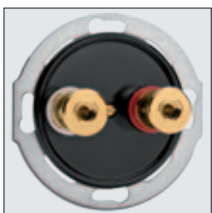
**SPEAKER WALL SOCKET  
WBT NEXTGEN™  
BAKELITE**  
Order no. 100738



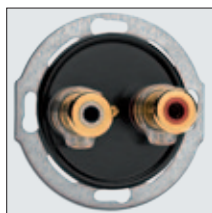
**SPEAKER WALL SOCKET  
WBT DUROPLAST**  
Order no. 100739



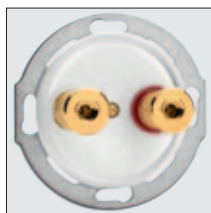
**SPEAKER WALL SOCKET  
WBT NEXTGEN™  
DUROPLAST**  
Order no. 100740



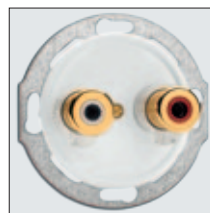
**SPEAKER WALL SOCKET  
WBT BAKELITE FOR  
GLASS COVERING**  
Order no. 100688



**SPEAKER WALL SOCKET  
WBT NEXTGEN™  
BAKELITE FOR GLASS  
COVERING**  
Order no. 100689



**SPEAKER WALL SOCKET  
WBT DUROPLAST FOR  
GLASS COVERING**  
Order no. 100690



**SPEAKER WALL SOCKET  
WBT NEXTGEN™  
DUROPLAST FOR GLASS  
COVERING**  
Order no. 100691

**Please note:** The inserts are delivered without outside faceplates. Matching porcelain coverings can be found on page 3, bakelite coverings on page 5, coverings for duroplast inserts on page 7 and matching glass coverings on page 9.

Speaker wall sockets can be combined with multiple coverings excluding the porcelain double covering, and with special system faceplates.



Bakelite is a registered trademark of Momentive Specialty Chemicals Inc.

## Bakelite surface mounted.

To complement our tried and tested switch systems of porcelain and bakelite we have now developed switches and sockets for surface mounting. Optically, their design is reminiscent of historical predecessors – whereby they do, of course, comply with all current standards and safety regulations. The robust 2,5 mm thick casings of black and white bakelite are moulded in one piece and provide sufficient impact protection for the electrical contacts underneath. To allow cables to be laid to or through the units, the casing has lateral sections which can be broken out along predetermined lines. The casing is open at the back, so that the cabling can also be laid below the surface. The mechanical components fulfil the same

standards in respect of durability and service life as the other switch series which have already proved themselves in manufacturing and shipbuilding.

Installation: The inner components are mounted on the underlying surface and then connected with the cabling, after which the casing is put in place and screwed tight. Where the underlying surface is flammable, it should first be covered using a suitable layer of material, e.g. Pertinax. As part of the surface mounting product



series we supply matching base plates made of black and white bakelite. Of course, these switches and sockets also have the VDE test mark.



**SURFACE-MOUNTED ROTARY SWITCH DUROPLAST**  
10 A, 10 AX, AC 250 V, IP 20  
62 mm Ø, height above surface incl. locking bolt 53 mm.  
Duroplast housing and locking bolt. With spring clip.

<b>Alternation switch</b>	Order-no. 186889
<b>Crossbar switch</b>	Order-no. 186890
<b>Multi-circuit switch</b>	Order-no. 186888



**SURFACE-MOUNTED ROTARY SWITCH BAKELITE**  
10 A, 10 AX, AC 250 V, IP 20  
62 mm Ø, height above surface incl. locking bolt 53 mm.  
Bakelite housing and locking bolt. With spring clip.

<b>Alternation switch</b>	Order-no. 186892
<b>Crossbar switch</b>	Order-no. 186893
<b>Multi-circuit switch</b>	Order-no. 186891



**SURFACE-MOUNTED TOGGLE SWITCH DUROPLAST**  
10 A, 10 AX, AC 250 V, IP 20  
62 mm Ø, height above surface incl. toggle 49 mm.  
Duroplast housing and toggle.

<b>Alternation switch</b>	Order-no. 184197
<b>Crossbar switch</b>	Order-no. 184206



**SURFACE-MOUNTED TOGGLE SWITCH BAKELITE**  
10 A, 10 AX, 250 V, IP 20  
62 mm Ø, height above surface incl. toggle 49 mm.  
Bakelite housing and toggle.

<b>Alternation switch</b>	Order-no. 184198
<b>Crossbar switch</b>	Order-no. 184207



**SURFACE-MOUNTED OUTLET DUROPLAST**  
16 A, AC 250 V, IP 20  
62 mm Ø, height above surface 49 mm.  
Duroplast housing with integrated child protection.  
With spring clip. Order-no. 184199

**OUTLET WITH MIDDLE-SAFETY CONTACT DUROPLAST**  
With integrated child protection (French version)  
Order-no. 100062

**BASE PLATE DUROPLAST**  
62 mm Ø. Order-no. 184642



**SURFACE-MOUNTED OUTLET BAKELITE**  
16 A, AC 250 V, IP 20  
62 mm Ø, height above surface 49 mm.  
Bakelite housing with integrated child protection.  
With spring clip. Order-no. 184200

**OUTLET WITH MIDDLE-SAFETY CONTACT BAKELITE**  
With integrated child protection (French version)  
Order-no. 100063

**BASE PLATE BAKELITE**  
62 mm Ø. Order-no. 184619



## Porcelain switch system at a glance





# Black bakelite switch system at a glance

## With round coverings



## With square coverings



# White bakelite switch system at a glance

## With round coverings



## With square coverings





## Glass covering system at a glance

### Glass with black bakelite



### Glass with white bakelite





## Black bakelite surface mounting system at a glance



## White bakelite surface mounting system at a glance



## Our switch series on the internet

Find an overview of all our switch series at [www.produktgesellschaft.de](http://www.produktgesellschaft.de) and order them through our online shop. As usual, installers, retailers and interior fit out specialists can purchase the products of Thomas Hoof Produktgesellschaft on special terms for resellers.

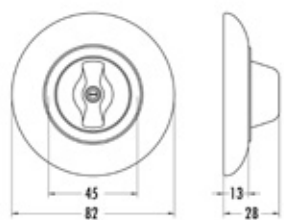


## How to reach us:

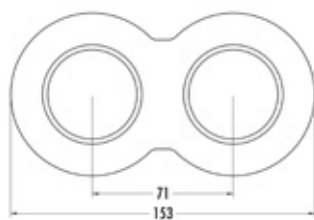
If you have any questions about our products and / or order procedures we are more than happy to help. You can contact us Monday to Friday between 8:00 am and 5:00 pm by phone ++49 (0)2309/951-100, by fax ++49 (0)2309/951-150 and by email [info@produktgesellschaft.de](mailto:info@produktgesellschaft.de).

# Dimensional drawings

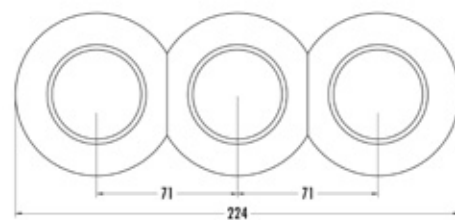
## Porcelain switch system



Porcelain single covering

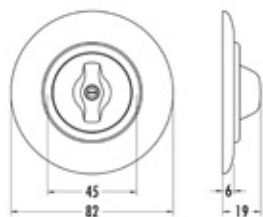


Porcelain double covering

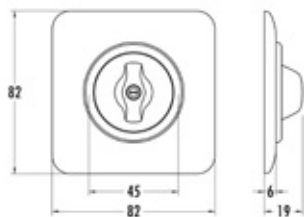


Porcelain system covering

## Bakelite switch system

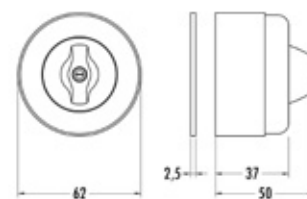


Bakelite single covering round

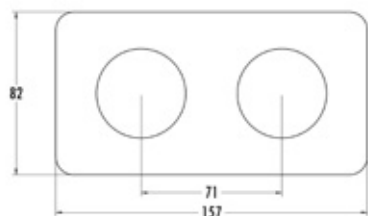


Bakelite single covering square

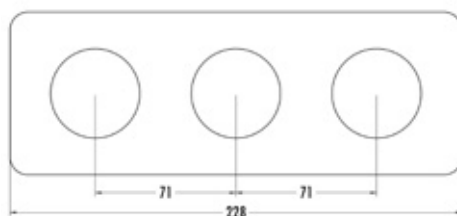
## Surface mounted switch system



Surface mounted rotary switch

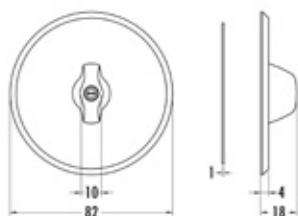


Bakelite double covering

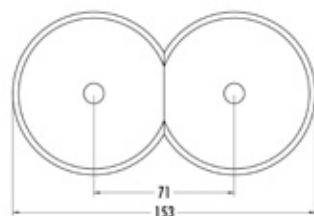


Bakelite triple covering

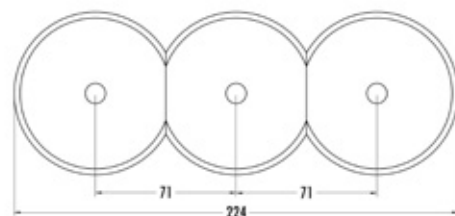
## Glass switch system



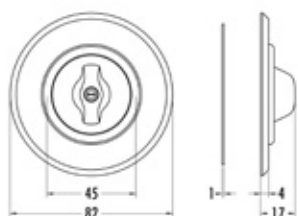
Glass single covering



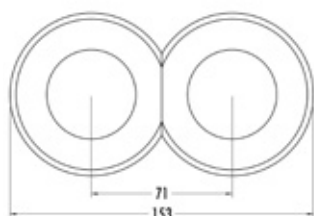
Glass system covering



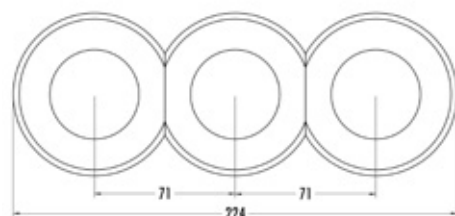
Glass system covering



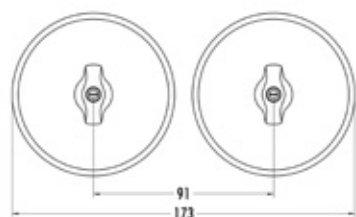
Glass system covering  
for central insert



Glass system covering  
for central insert



Glass system covering  
for central insert



The distances of the inserts in all multiple and system coverings are consistent with standard spacing and can be easily used with existing installations. The switch systems fit in all standard concealed outlets.





Thomas Hoof Produktgesellschaft mbH & Co. KG  
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info@produktgesellschaft.de · www.produktgesellschaft.de