2. System: Bakelite® and Duroplast: The durable predecessors of modern plastic.

In the first half of the 20th century, the name Bakelite was virtually synonymous with plastics. With the emergence of later thermoplastics, "Bakelite" has come to be used to describe the old heavy thermosets (melamine, phenolic resins) as distinct from other types that are somewhat disparagingly referred to merely as "plastic". Contrary to what one might expect from the common usage of the term, "Bakelite" is not a generic name. Instead, it is a trademark, and in the case of Germany it is registered to Bakelite GmbH, which is based in Iserlohn. This situation has created some confusion in terminology. Bakelite is a thermosetting polymer (a thermoset or duroplast, for short), but not every thermoset is Bakelite. Hence the distinction on our part: The black and white switch series are both made of thermosetting polymers, but only the black one is Bakelite in the trademarked sense, while the white one is moulded from a related resin.

Switch system Duroplast with round covers.

Switch system Duroplast with square covers.

Switch system Duroplast

Rotary switch
10 A, 10 AX, AC 250 V. Duroplast central insert and handle. With spring mechanism.

Rotary switch alternation
          Product code **186886**

Rotary switch cross
          Product code **186887**

Rotary switch series
          Product code **186885**

Rotary switch blind
          Product code **186896**

Rotary switch two-pole
          Product code **100382**

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

Toggle switch alternation
          Product code **176405**

Toggle switch cross
          Product code **176406**

Double toggle switch series
10 A, 10 AX, AC 250 V. Duroplast central insert and two toggles.
          Product code **100572**

Rocker switch
10 A, 10 AX, AC 250 V. Duroplast central insert and rocker.

Rocker switch alternation
          Product code **176429**

Rocker switch cross
          Product code **176430**

Rocker switch control
With glow lamp.
          Product code **176407**

Rocker button
10 A, AC 250 V. Duroplast central insert and rocker.

Rocker button   Product code **176408**

Rocker button luminescent
          Product code **100981**

Rocker button light
10 A, AC 250 V. Duroplast central insert and rocker with engraved light bulb symbol.

Rocker button light
          Product code **176409**

Rocker button light luminescent
          Product code **100982**

Glow lamp
The glow lamp is to be placed in place of the lower screw.
          Product code **173066**

Rocker button bell
10 A, AC 250 V. Duroplast central insert and rocker with engraved bell symbol.

Rocker button bell
          Product code **176410**

Rocker button bell luminescent
          Product code **100983**

Rocker button door opener
10 A, AC 250 V. Duroplast central insert and rocker with engraved key symbol.

Rocker button door opener
          Product code **176411**

Rocker button door opener luminescent   Product code **100984**

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

Dimmer LED
3–35 W, 7–110 W/VA. Pressure alternation.   Product code **100308**

Universal dimmer LED
3–80 W, 7–200 W/VA. Pressure alternation.   Product code **100412**

Universal dimmer PRO LED
3–160 W, 7–350 W/VA. Pressure alternation.   Product code **100411**

Electronic potentiometer
AC 230 V (±10%), 50 Hz
          Product code **173111**

Temperature control
230 V~/50 Hz. Duroplast central insert. Use as room or floor thermostat.   Product code **100420**

Clock thermostat
230 V~/50 Hz. Duroplast central insert. Use as a room or floor thermostat with an extended range of functions. Settings can be changed via a mini USB connection
          Product code **100419**

Remote sensor
For temperature control and clock thermostat. NTC remote sensor. Length 4 m. Length can be customized.   Product code **100425**

Cover for sensor
Copper cover for our remote sensor. For installation in the floor.
Ø 21 mm/8 mm, Length 113 mm.
          Product code **100426**

Outlet
16 A, AC 250 V. Duroplast central insert. With screw contacts.
          Product code **176400**

Outlet with Shutter
16 A, AC 250 V. Duroplast central insert with shutter. With screw contacts.   Product code **180810**

Outlet French version
16 A, AC 250 V. Duroplast central insert. With screw contacts. French version. With Shutter.
          Product code **184728**

Outlet Swiss version Type 13
10 A, AC 250 V. Duroplast central insert. With screw contacts. For installation in DIN 49073–certified installation units.
          Product code **100969**

Data outlet
Duroplast central insert. For 2 network adapters RJ45 (real.Cat.6a).
          Product code **100726**

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

Telephone jack
Duroplast central insert. TAE 3 x 6 NFN. for 1 telephone and 2 additional devices or data terminals.
6 screw contacts.
          Product code **100725**

Antenna outlet cable
Duroplast central insert. HF-resistant metal housing. BZT-approved. Radio and television adapter for systems with amplifiers or cable. Passage and terminal box.
          Product code **100727**

Antenna outlet satellite
Duroplast central insert. HF-resistant metal housing. BZT-approved. Radio and television adapter for systems with amplifiers. Compliant with DIN 45330 with additional satellite outlet (F-adapter). Terminal box. Digitally compatible.   Product code **100728**

Pull switch
10 A, 10 AX, AC 250 V. Duroplast central insert and pull switch insert.
          Product code **176431**

Blind cover
Duroplast central insert.
          Product code **176432**

Single covering round
Ø 82 mm. Suitable for all switches, rocker switches and outlets of the THPG switch system Duroplast.
Product code **176421**

Single covering for junction boxes/dimmers round
Ø 82 mm. Suitable for junction boxes, dimmers, temperature controllers, clock thermostat and USB charging station of THPG switch system Duroplast.
Product code **181997**

System covering external
Ø 82 mm. For vertical and horizontal assembly. Suitable for all switches, rocker switches, and outlets of the THPG switch system Duroplast.
Product code **176425**

System covering for junction boxes/dimmers external
Ø 82 mm. Suitable for junction boxes, dimmers, temperature controllers, clock thermostat and USB charging station of THPG switch system Duroplast.
Product code **176427**

System covering centre
Ø 82 mm. For vertical and horizontal assembly. Suitable for all switches and outlets of the THPG switch system Duroplast.
Product code **176426**

System covering for junction boxes/dimmers centre
Ø 82 mm. Suitable for junction boxes, dimmers, temperature controllers, clock thermostat and USB charging station of THPG switch system Duroplast.
Product code **176428**

Single covering square
82 x 82 mm. Suitable for all switches and outlets of the THPG switch system Duroplast.
Product code **119330**

Single covering for junction boxes/dimmers square
82 x 82 mm. For assembling dimmers, data sockets, telephone and antenna outlets, speaker wall socket, temperature controller, clock thermostat and USB charging point.
Product code **119329**

Double covering
External dimensions 82 x 157 mm. For vertical and horizontal assembly. Suitable for all inserts of the THPG switch system Duroplast.
Product code **176422**

Quadruple covering
External dimensions 299 x 82 mm. For vertical and horizontal assembly. Suitable for all inserts of the THPG switch system Duroplast.
Product code **176424**

Triple covering
External dimensions 82 x 228 mm. For vertical and horizontal assembly. Suitable for all inserts of the THPG switch system Duroplast.
Product code **176423**

Dimensions and assembly (in mm)
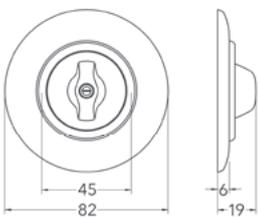
Rotary switch with single covering round
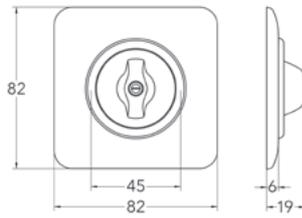
Rotary switch with single covering square
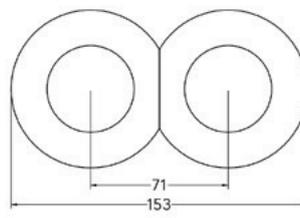
System cover with two covers
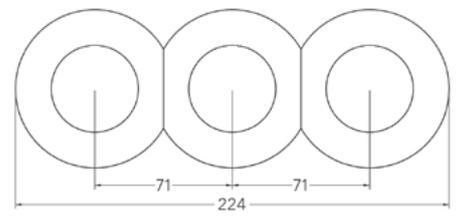
System cover with three covers
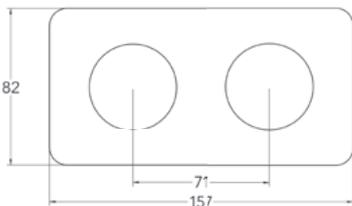
Double covering
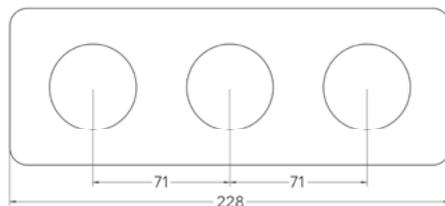
Triple covering
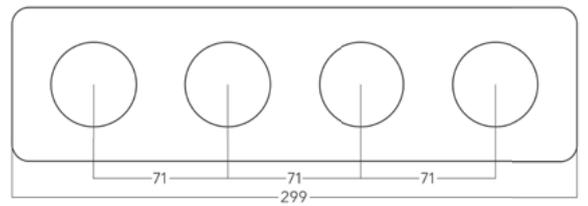
Quadruple covering

Assembly note: The spacing of the inserts in all multiple and system covers correspond to the standard spacing of 71 mm and can be used in existing installations without any problems. The Duroplast switch system of course fits into the commercially available, standardised flush-mounted boxes (e.g. from Kaiser).

When assembling several units vertically or horizontally in single covers, for optical reasons we recommend a spacing of 91 mm.