

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 Bakelit®



Rotary switch

10 A, 10 AX, AC 250 V. Bakelite central insert and handle. With spring mechanism.

Rotary switch alternation

Product code **186883**

Rotary switch cross

Product code **186884**

Rotary switch series

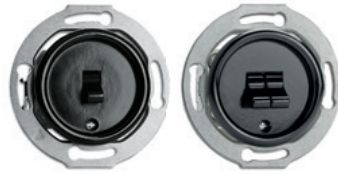
Product code **186882**

Rotary switch blind

Product code **186895**

Rotary switch two-pole

Product code **100374**



Toggle switch

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

Toggle switch alternation

Product code **173043**

Toggle switch cross

Product code **173044**

Double toggle switch series

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

Product code **100571**



Rocker switch

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

Rocker switch alternation

Product code **173112**

Rocker switch cross

Product code **173113**

Rocker switch control with glow lamp

Product code **173047**

Rocker button

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

Product code **173054**

Rocker button luminescent

Product code **100973**



Rocker button light

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

Rocker button light

Product code **173055**

Rocker button light luminescent

Product code **100974**

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. Bakelite central insert and rocker with engraved bell symbol.

Rocker button bell

Product code **173056**

Rocker button bell luminescent

Product code **100975**



Rocker button door opener

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

Rocker button door opener

Product code **173057**

Rocker button door opener luminescent

Product code **100976**



Dimmer

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

Dimmer LED

3-35 W, 7-110 W/VA. Pressure alternation. Product code **100274**

Universal dimmer LED

3-80 W, 7-200 W/VA. Pressure alternation. Product code **100410**

Universal dimmer PRO LED

3-130 W, 7-350 W/VA. Pressure alternation. Product code **100409**

Electronic potentiometer

AC 230 V ($\pm 10\%$), 50 Hz. Product code **173105**



Temperature control

230 V~/50 Hz. Bakelite central insert. Use as room or floor thermostat. Product code **100418**

Clock thermostat

230 V~/50 Hz. Bakelite 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 **100417**

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. \varnothing 21 mm/8 mm, length 113 mm. Product code **100426**



Outlet

16 A, AC 250 V. Bakelite central insert. With screw contacts.

Product code **173038**

Outlet with Shutter

16 A, AC 250 V. Bakelite central insert with shutter. With screw contacts.

Product code **174527**



Outlet French version

16 A, AC 250 V. Bakelite central insert. With screw contacts.

French version. With Shutter.

Product code **175833**

Outlet Swiss version Type 13

10 A, AC 250 V. Bakelite central insert. With screw contacts. For installation in DIN 49073-certified units.

Product code **100940**



Data outlet

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

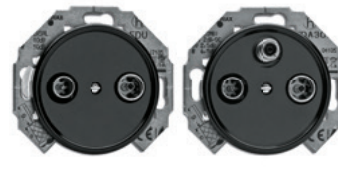
Product code **100722**

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

Telephone jack

Bakelite central insert. TAE 3 x 6 NFN. for 1 telephone and 2 additional devices or data terminals. 6 screw contacts.

Product code **100721**



Antenna outlet cable

Bakelite central insert. HF-resistant metal housing. BZT-approved. Radio and television adapter for systems with amplifiers or cable. Passage and terminal box.

Product code **100723**

Antenna outlet satellite

Bakelite 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 **100724**



Pull switch

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

Product code **173114**



Blind cover

Bakelite central insert.

Product code **173115**



Single covering round
 Ø 82 mm. Suitable for all switches and outlets of the THPG switch system Bakelite.
 Product code **173063**



System covering external
 Ø 82 mm. For vertical and horizontal assembly. Suitable for all switches and outlets of the THPG switch system Bakelite.
 Product code **173092**



System covering centre
 Ø 82 mm. For vertical and horizontal assembly. Suitable for all switches and outlets of the THPG switch system Bakelite.
 Product code **173093**



Single covering square
 82 x 82 mm. Suitable for all switches, rocker switches and outlets of the THPG switch system Bakelite.
 Product code **119328**

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 Bakelite.
 Product code **174940**

System covering for junction boxes/dimmers external

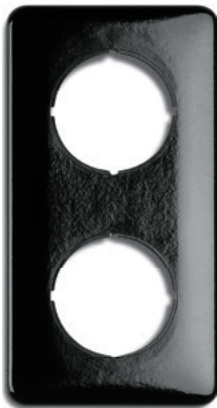
Ø 82 mm. Suitable for junction boxes, dimmers, temperature controllers, clock thermostat and USB charging station of THPG switch system Bakelite.
 Product code **173094**

System covering for junction boxes/dimmers centre

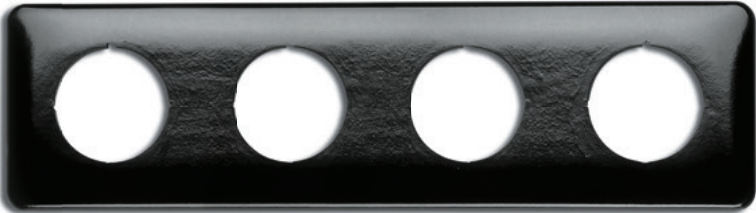
Ø 82 mm. Suitable for junction boxes, dimmers, temperature controllers, clock thermostat and USB charging station of THPG switch system Bakelite.
 Product code **173095**

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 **119327**



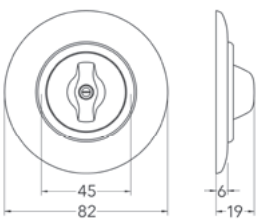
Double covering
 External dimensions 82 x 157 mm. For vertical and horizontal assembly. Suitable for all inserts of the THPG switch system Bakelite.
 Product code **173064**



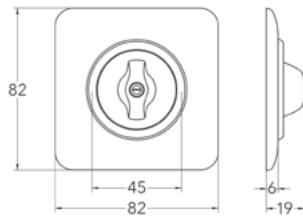
Quadruple covering
 External dimensions 299 x 82 mm. For vertical and horizontal assembly. Suitable for all inserts of the THPG switch system Bakelite.
 Product code **173091**

Triple covering
 External dimensions 82 x 228 mm. For vertical and horizontal assembly. Suitable for all inserts of the THPG switch system Bakelite.
 Product code **173065**

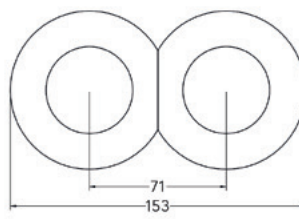
Dimensions and assembly (in mm)



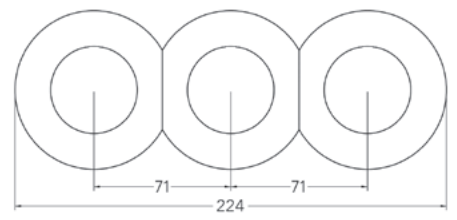
Rotary switch with single covering round



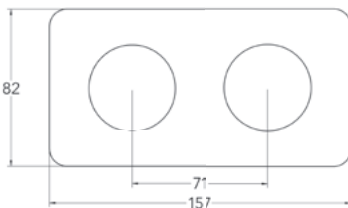
Rotary switch with single covering square



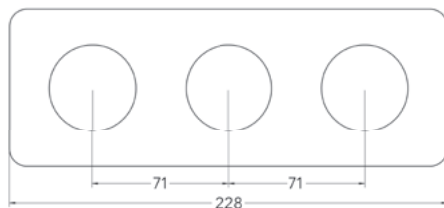
System cover with two covers



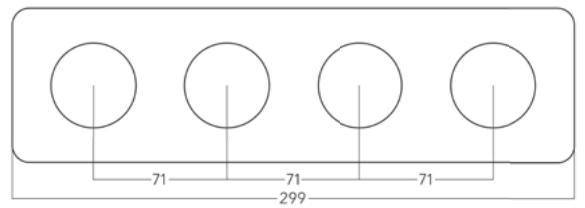
System cover with three covers



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 bakelite 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.