Porcelain rocker switch and rotary switch with double covering
Villa in Bad Arolsen, architect Felix Küch
More images available at *www.thpg.de/en/gallery*

# 1. System: Porcelain.
# Gleaming white and indestructible.

Our first switch system is made of the material that has been used in electrical products since the very beginning: porcelain. It is used not just for aesthetic reasons, but for functional ones: Porcelain offers good dielectric strength and tracking resistance, resists ageing, is extremely solid, and withstands fire and heat undamaged. The high-quality quartz porcelain used for these switches (C 110) complies with the standard for material properties according to DIN VDE 0335-3. It is used by a German manufacturer of technical porcelain in Poland to produce the durable switches in this system exclusively for us.

# Switch system Porcelain.

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

**Rotary switch alternation**
Product code **186880**

**Rotary switch cross**
Product code **186881**

**Rotary switch series**
Product code **186879**

**Rotary switch blind**
Product code **186894**

**Rotary switch two-pole**
Product code **100376**

### Toggle switch
10 A, 10 AX, AC 250 V. Porcelain central insert and duroplast toggle.

**Toggle switch alternation**
Product code **173116**

**Toggle switch cross**
Product code **173117**

### Rocker switch
10 A, 10 AX, AC 250 V. Porcelain central insert and duroplast rocker.

**Rocker switch alternation**
Product code **173073**

**Rocker switch cross**
Product code **173074**

**Rocker switch control**
Product code **173075**

### Rocker button
10 A, AC 250 V. Porcelain central insert and duroplast rocker.

**Rocker button** Product code **173076**

**Rocker button luminescent**
Product code **100977**

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

**Rocker button light**
Product code **173077**

**Rocker button light luminescent**
Product code **100978**

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

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

**Rocker button bell**
Product code **173078**

**Rocker button bell luminescent**
Product code **100979**

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

**Rocker button door opener**
Product code **173079**

**Rocker button door opener luminescent** Product code **100980**

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

**Dimmer LED**
3–35 W, 7–110 W/VA. Pressure alternation. Product code **100270**

**Universal dimmer LED**
3–80 W, 7–200 W/VA. Pressure alternation. Product code **100408**

**Universal dimmer PRO LED**
3–130 W, 7–350 W/VA. Pressure alternation. Product code **100407**

**Electronic potentiometer**
AC 230 V (±10%), 50 Hz.
Product code **173100**

### Temperature Control
230 V~/50 Hz. Use as room or floor thermostat. Duroplast central insert.
Product code **100416**

### Clock Thermostat
230 V~/50 Hz. Use as a room or floor thermostat with an extended range of functions. Settings can be changed via a mini USB connection. Central insert made of Duroplast.
Product code **100415**

### 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 **173067**

### Outlet with shutter
16 A, AC 250 V. Duroplast central insert with shutter. With screw contacts. Product code **173068**

### Outlet French version
16 A, AC 250 V. Duroplast central insert. With screw contacts. French version. With shutter.
Product code **175835**

### Outlet Swiss version Type 13
10 A, AC 250 V. Duroplast central insert. With screw contacts. For installation in DIN 49073–certified units. Product code **100873**

### Data outlet
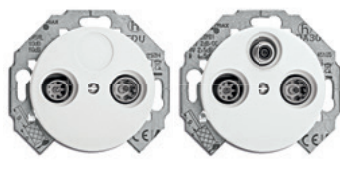Duroplast central insert. For 2 network adapters RJ45 (real.Cat.6a).
Product code **181978**

**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. 3 x 6-pin, 6 screw contacts.
Product code **150117**

### 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 **150121**

### 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. Product code **154911**

### Blind cover
Duroplast central insert.
Product code **181980**

### Single covering
Ø 82 mm. Suitable for all switches, dimmers and outlets of the THPG switch system Porcelain.
Product code **173085**

### Single covering for junction boxes
Ø 82 mm. Suitable for junction boxes, temperature controllers, clock thermostat and USB charging station of the THPG switch system Porcelain.
Product code **173086**



### System covering external
Ø 82 mm. For vertical and horizontal assembly. Suitable for all switches, dimmers and outlets of the THPG switch system Porcelain.
Product code **173088**

### System covering for junction boxes external
Ø 82 mm. Suitable for junction boxes, temperature controllers, clock thermostat and USB charging station of the THPG switch system Porcelain.
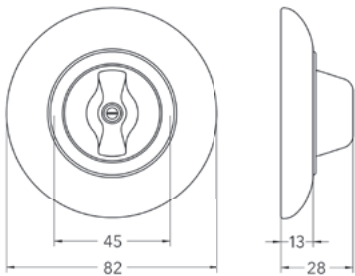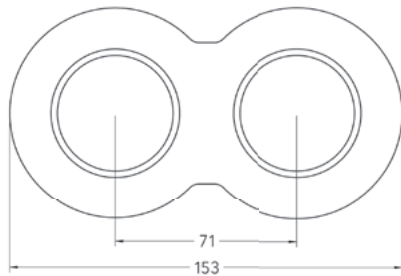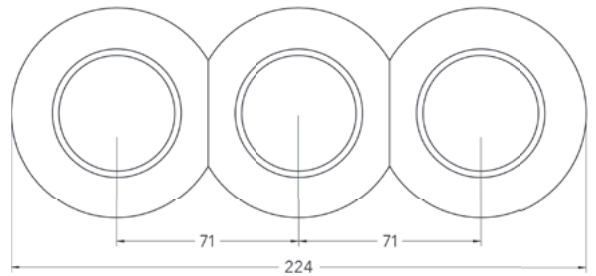Product code **173089**



### System covering centre
Ø 82 mm. For vertical and horizontal assembly. Suitable for all switches, dimmers and outlets of the THPG switch system Porcelain.
Product code **173087**



### Double covering
External dimensions 82 x 153 mm. For vertical and horizontal assembly. Suitable for all switches, dimmers and outlets of the THPG switch system Porcelain.
Product code **173090**

## Dimensions and assembly (in mm)
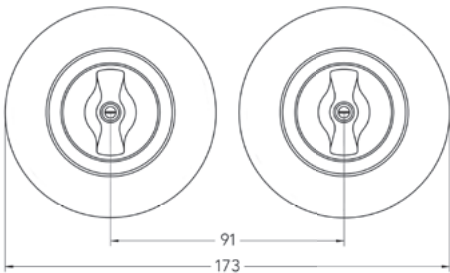


*Rotary switch with single covering*



*Double covering*



*System covering with three covers*

**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 porcelain 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.

## Technical information

### Alternation switch
These switches can be either used individually as on/off switches or together with a second one to switch a lamp in alternation.

### Cross switch
This switch becomes necessary for switching from more than two places.

### Series switch
This switch can be used to switch two lamps. The lamps can be switched on separately or together.

### Blind switch (group switch)
Switches like a series switch, but always separately. Ideal for switching roller shutter motors.

### Rocker button
The rocker is held in position by a spring. Pressing the rocker closes the circuit. Doorbells and door openers work according to this principle. A rocker switch can also be used in combination with a relay. This allows the light in a stairwell, for example, to be switched off automatically after a preset time.

### THPG rotary switch
A spring mechanism takes over the shifting process after a quarter turn of the handle.

### Toggle/Rocker switch
Switching is done by pressing the rocker or using the toggle.

### Outlet
In Germany and many other European countries a socket outlet with side protective contacts is common.

### Outlet with shutter
An integrated latch ("shutter") allows plugs to reach the contacts only if both openings are pushed into at the same time. A certain stiffness is intended.