

# CONTROL-KNOBS

## Potentiometer tuning knobs that are highly comfortable to operate

New ergonomic CONTROL-KNOBS have a soft-touch surface which is easy to grip and feels comfortable in operation. The high-quality appearance – illuminated if required – distinguishes this advanced range of tuning knobs as the central element of menu-driven interfaces.

- soft-touch surface ensures good grip and anti-slip operation
- innovative two-part plastic tuning knob design comprises a hard inner knob body made of high-quality PC and a soft-touch TPE outer shell with functional grooved appearance \*\*\* **iF product design award 2022** \*\*\*
- available in two knob sizes,  $\varnothing$  36 mm and  $\varnothing$  46 mm, each in two standard TPE colours (nero and volcano)
- CONTROL-KNOBS with/without pointer line on the side for fine scaling
- CONTROL-KNOBS with/without optional LED illumination
- illumination options:
  - translucent optic ring on the top surface
  - translucent optic ring on the top surface with a pointer line on the side
 (note: order the CONTROL-KNOBS with optional illumination, plus the base and the LED illumination kit, see accessories)
- optional illumination uses modern, energy-saving SMD LED technology for 5 V power supply units (RGB LEDs allow individual illumination and colours)
- designed as modern control knobs for rotary potentiometers or encoders; also suitable for rotary touch/click functions used on menu-driven interfaces – typically employed on devices made in high volumes
- tried and tested collet fixture system with secure fit on the axle
- max. torque: installation = 1.5 Nm, function = 1.2 Nm

knob sizes	boreholes
$\varnothing$ 36 mm	6 mm, 1/4" (6.35 mm)
$\varnothing$ 46 mm	6 mm, 1/4" (6.35 mm)

### Minimum components for one CONTROL-KNOBS, without illumination:

1 CONTROL-KNOBS, 1 cover – the accessory base can also be added if required

### Minimum components for one CONTROL-KNOBS with LED illumination:

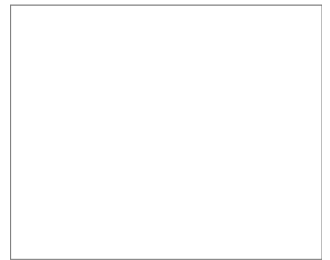
1 CONTROL-KNOBS, optional illumination, 1 cover, 1 base, 1 LED illumination kit (RGB backlight)

## Designer Statement

"Perfect all round – modern tuning knobs which are pleasant to the touch, with which processes can be reliably regulated or controlled and which should have a fixed place in the user interface of a modern product. When it comes down to it, these tuning knobs can ensure easy operation of your products even in awkward places and under adverse conditions – robust in appearance and precise in their function. You will find the CONTROL-KNOBS easy to use. The illuminated lines indicate the location, status and position of the function you are looking for. With or without gloves, the haptic structure and the pleasant material of the grip surface reliably apply the necessary torque to the knob axle – in any application situation."

Martin Nußberger, polyform Industrie Design

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## Applications and Examples

For rotary potentiometers or rotary encoders with round shaft ends in accordance with DIN 41591, including touch function.

- Measuring and control technology
- Medical and laboratory equipment
- Wellness sector
- Health care
- Heating and air conditioning technology
- Communication devices
- Building control systems
- Smart Factory



Assistance system for the home



Camera control in production



Find compressed air leaks using ultrasound



Measured value display device



Operating elements for machine control



Solar Control Panel

## Customising Options

What do you still need for your own very personal product? We can supply enclosures and tuning knobs with all necessary modifications for fitting your electronic components.

Customising options for Control-Knobs



Machining



Printing



Laser marking



Installation / Assembly of accessories

# CONTROL-KNOBS

## Select Versions



**B7136061**  
 CONTROL-KNOBS 36, optional  
 illumination  
 PC  
 nero  
 36x14.7mm 6mm



**B7136062**  
 CONTROL-KNOBS 36  
 PC  
 nero  
 36x14.7mm 6mm



**B7136063**  
 CONTROL-KNOBS 36, optional  
 illumination  
 PC  
 volcano  
 36x14.7mm 6mm



**B7136064**  
 CONTROL-KNOBS 36  
 PC  
 volcano  
 36x14.7mm 6mm



**B7136631**  
 CONTROL-KNOBS 36, optional  
 illumination  
 PC  
 nero  
 36x14.7mm 1/4"



**B7136632**  
 CONTROL-KNOBS 36  
 PC  
 nero  
 36x14.7mm 1/4"



**B7136633**  
 CONTROL-KNOBS 36, optional  
 illumination  
 PC  
 volcano  
 36x14.7mm 1/4"



**B7136634**  
 CONTROL-KNOBS 36  
 PC  
 volcano  
 36x14.7mm 1/4"



**B7146061**  
 CONTROL-KNOBS 46, optional  
 illumination  
 PC  
 nero  
 46x14.7mm 6mm



**B7146062**  
 CONTROL-KNOBS 46  
 PC  
 nero  
 46x14.7mm 6mm



**B7146063**  
 CONTROL-KNOBS 46, optional  
 illumination  
 PC  
 volcano  
 46x14.7mm 6mm



**B7146064**  
 CONTROL-KNOBS 46  
 PC  
 volcano  
 46x14.7mm 6mm

# CONTROL-KNOBS



**B7146631**  
CONTROL-KNOBS 46, optional  
illumination  
PC  
nero  
46x14.7mm 1/4"



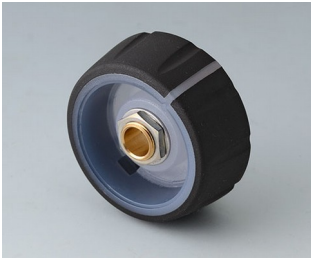
**B7146632**  
CONTROL-KNOBS 46  
PC  
nero  
46x14.7mm 1/4"



**B7146633**  
CONTROL-KNOBS 46, optional  
illumination  
PC  
volcano  
46x14.7mm 1/4"



**B7146634**  
CONTROL-KNOBS 46  
PC  
volcano  
46x14.7mm 1/4"



**B7236061**  
CONTROL-KNOBS 36, optional  
illumination  
PC  
nero  
36x14.7mm 6mm



**B7236062**  
CONTROL-KNOBS 36  
PC  
nero  
36x14.7mm 6mm



**B7236063**  
CONTROL-KNOBS 36, optional  
illumination  
PC  
volcano  
36x14.7mm 6mm



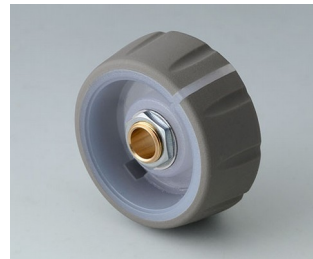
**B7236064**  
CONTROL-KNOBS 36  
PC  
volcano  
36x14.7mm 6mm



**B7236631**  
CONTROL-KNOBS 36, optional  
illumination  
PC  
nero  
36x14.7mm 1/4"



**B7236632**  
CONTROL-KNOBS 36  
PC  
nero  
36x14.7mm 1/4"



**B7236633**  
CONTROL-KNOBS 36, optional  
illumination  
PC  
volcano  
36x14.7mm 1/4"



**B7236634**  
CONTROL-KNOBS 36  
PC  
volcano  
36x14.7mm 1/4"



**B7246061**  
CONTROL-KNOBS 46, optional  
illumination  
PC  
nero  
46x14.7mm 6mm



**B7246062**  
CONTROL-KNOBS 46  
PC  
nero  
46x14.7mm 6mm



**B7246063**  
CONTROL-KNOBS 46, optional  
illumination  
PC  
volcano  
46x14.7mm 6mm



**B7246064**  
CONTROL-KNOBS 46  
PC  
volcano  
46x14.7mm 6mm

# CONTROL-KNOBS



**B7246631**  
 CONTROL-KNOBS 46, optional  
 illumination  
 PC  
 nero  
 46x14.7mm 1/4"



**B7246632**  
 CONTROL-KNOBS 46  
 PC  
 nero  
 46x14.7mm 1/4"



**B7246633**  
 CONTROL-KNOBS 46, optional  
 illumination  
 PC  
 volcano  
 46x14.7mm 1/4"



**B7246634**  
 CONTROL-KNOBS 46  
 PC  
 volcano  
 46x14.7mm 1/4"

## Accessory "screws"



**A6207009**  
 Round nut M7 x 0.75



**A6210009**  
 Round nut M10 x 0.75

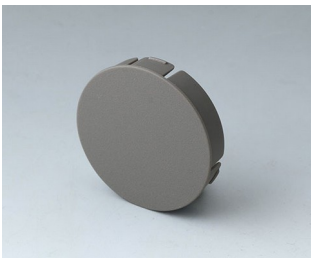


**A6295009**  
 Round nut 3/8"-32G



**A6300000**  
 Spanner

## Accessory



**B7536108**  
 Cover 36  
 PA 6  
 volcano



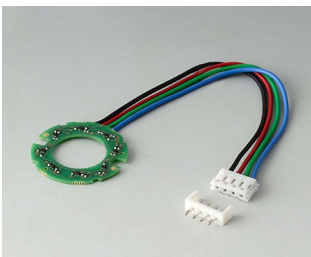
**B7536109**  
 Cover 36  
 PA 6  
 nero



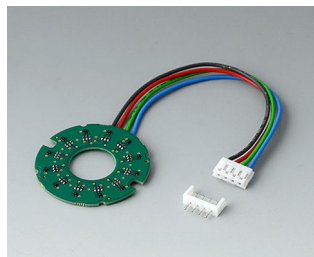
**B7536208**  
 Base 36  
 PA 6  
 volcano



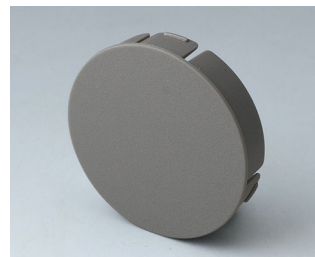
**B7536209**  
 Base 36  
 PA 6  
 nero



**B7546001**  
 LED illumination kit, 8 LEDs  
 (RGB backlight)



**B7546002**  
 LED illumination kit, 12 LEDs  
 (RGB backlight)

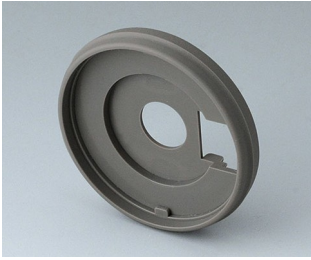


**B7546108**  
 Cover 46  
 PA 6  
 volcano

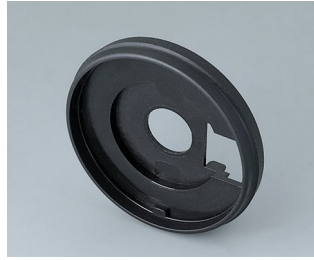


**B7546109**  
 Cover 46  
 PA 6  
 nero

# CONTROL-KNOBS



**B7546208**  
Base 46  
PA 6  
volcano



**B7546209**  
Base 46  
PA 6  
nero

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