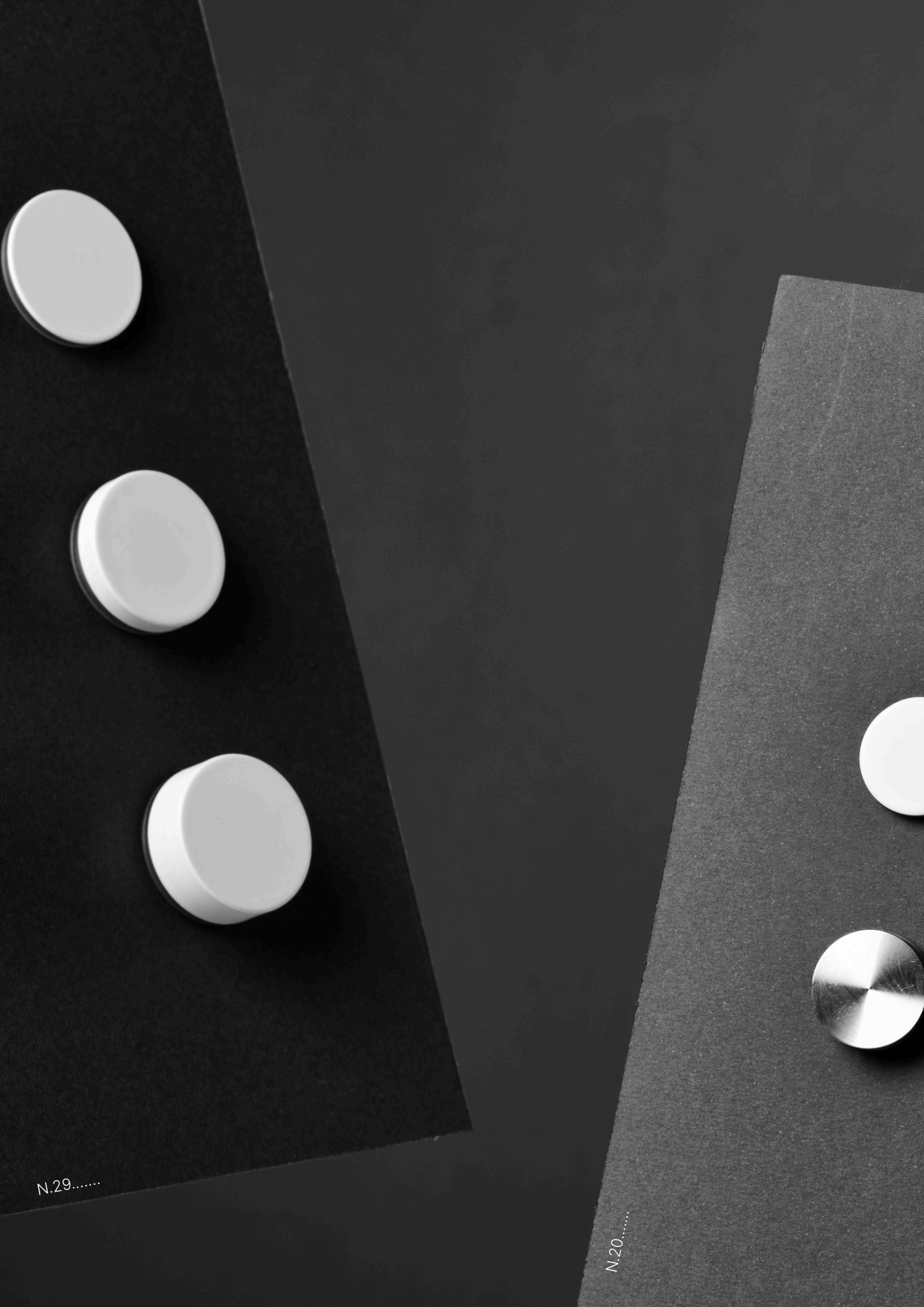
datasheet

PLH NEO

rev. 1.2_01/09/2026

Neo wants to be exactly what it is: an elegant, discreet and decorative spot on the wall. An essential, flush-to-the-wall product with a highly innovative conception and design


N.29.....
N.20.....

N . 1 . 2 . _ . 3 . _

COLLECTION

SHAPE

20	○	ø 20 mm ø 0,79 in
29	◯	ø 29 mm ø 1,14 in
HX	⬡	29 × 34 mm 1,14 × 1,34 in
...		Custom

ACTUATORS: TYPES

1	1 NO push button
2	1 button + 0-10 V (only for N.29)
3	3 buttons (only for N.29)
P	Fairled
PT	PT-1000 hole
...	Custom

DEPTH OF CAP

1	1 mm cap
5	5 mm cap
10	10 mm cap
...	Custom

LED: NUMBERS

0-3	Numbers of leds mono, be or tricolor

LED: TYPE

	Warm white
CW	Cold white
R	Red
A	Ambra
G	Green
B	Blue
UV	UV
WB	White and Blue
RGB	RGB
...	Custom

DESCRIPTION
Keypad in solid metal material (6082 aluminum alloy, brass, stainless steel) machined by CNC machine, from a single sheet, 10mm thickness (8mm + 2mm of shadow gap), in round format for low voltage control devices, for **indoor use only**

ENVIROMENT
Environment specification
→ Ambient Operating Temperature: 0-40 °C (32-104 °F)
→ Relative Humidity: less than 90%, non-condensing

SHAPES OF THE KEYPADS AND WALLBOXES
The keypads are designed to be used for commercial and standard wallboxes following the bottom specifications

1

Code	Shape	Dim.	Single box	Eu standard	Notes
20	○	ø 20 mm ø 0,79 in			Metal spring
29	◯	ø 29 mm ø 1,14 in			PLH N.BOX
HX	⬡	29 × 34 mm 1,14 × 1,34 in			PLH N.BOX

MATERIALS, TREATMENTS, NUANCE

Aluminium (6082 alloy)


G0021 (A)
Tumbled not protected


F0019 (A)
Anodized brushed silver


F0007 (A)
Anodized brushed black


F0001 (A)
Anodized brushed inox


F0090 (A)
Anodized brushed bronze


F0665 (D)
Iron etched protected

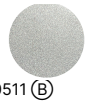

F0022 (D)
Sputtering Metal Bronze not protected


F0024 (D)
Sputtering Metal Zinc not protected


F0003 (B)
Painted Matte RAL 9003


F0491 (B)
Painted Cerakote® Black


F0497 (B)
Painted Cerakote® Gun Metal

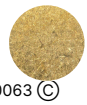

F0511 (B)
Painted Cerakote® Silver

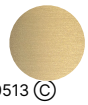

F0509 (B)
Painted Cerakote® Rose gold

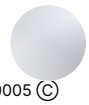

F0503 (B)
Painted Cerakote® Light Gold


F0510 (B)
Painted Cerakote® Dark Grey

Brass


G0063 (C)
Tumbled not protected


F0513 (C)
Brushed protected


F0005 (C)
Polished Chrome


F0574 (C)
Copper brushed protected


F0053 (D)
Brushed bronze light

Stainless Steel 316L (only for PLH Neo)


G0171 (C)
Natural polished


G0104 (C)
Natural brushed


F0112 (D)
Is Pro® Gun Metal Velvet

2

ACTUATORS

Electrical and mechanical specification

1

→	Push-Button type:	Snap action momentary switch
→	Rated current / Rated voltage:	50mA - 32V DC (*)
→	Electrical life (full load):	300.000 cycles
→	Stroke:	0,50 mm
→	IP degree:	67 (front panel)
→	Terminals:	PicoBlade connectors / plug with wires 26 AWG

2

→	Rotative / Push-Button type:	0-10V + tactile switch MOM - Off
→	Total resistance / Rated voltage 0-10V:	10kΩ - 10 V DC - 50 V AC
→	Rated current / Rated voltage Tactile switch:	1A - 12V DC (*)
→	Withstand voltage 0-10V - Tactile switch:	2 mA - 300V per 1 min
→	Insulation resistance 0-10V:	100 MΩ max. at 250V (DC)
→	Rotation life:	10.000 cycles
→	Mechanical life:	30.000 cycles
→	IP degree	67
→	Terminals:	PicoBlade connectors / plug with wires 26 AWG

3

→	Push-Button type:	Self-Return switch with Push-on switch
→	Rated current / Rated voltage:	10mA - 5V DC
→	Insulation resistance:	100 MΩ min. at 250V (DC)
→	Operating life Self Return:	15.000 cycles
→	Operating life Push:	20.000 cycles
→	Stroke:	0,50 mm
→	Terminals:	PicoBlade connectors / plug with wires 26 AWG

Regulatory Compliance

The PCB included in the PLH keypads has been tested for Electromagnetic compatibility (EMC) in conformity with the essential requirements of the EN61000-6-2 (2016) - EN61000-6-3 (2007) +A1 (2011).
The PLH products are intended as Low Voltage Architectural Control Interface (Decorative wall-mounted control device for Class 2 systems) and are designed for Class 2 low-voltage systems (<24V DC); are assembled using UL Recognized components (switches, LEDs, plastics where applicable); complies with European directives (CE marking, where applicable). Important Notice: PLH products are not UL Listed as a complete assembly.
The normally open push buttons are designed to be installed only by DC safety transformers with maximum 24V and DO NOT directly control the load. Do not connect high-voltage power to low-voltage terminals. Improper wiring can result in personal injury or damage to the control or to other equipment.

Moreover all PLH components must be installed as described in the technical specification on equipment manufactured in compliance with the regulations, according to the latest safety rules, using certified materials and suitable to the characteristics of the environment and pose.
Installation and verification of compliance are not PLH responsibility.

3

LED

Electrical and mechanical specification

→	Led (**):	4÷12 mA ≤ 12÷30 V (DC) - 5V on request
→	Terminals:	PicoBlade connectors / plug with wires 26 AWG

(*) Inductive load ARE NOT ALLOWED
(**) Multiples led are with the common connected to - (minus polarity to + on request

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