

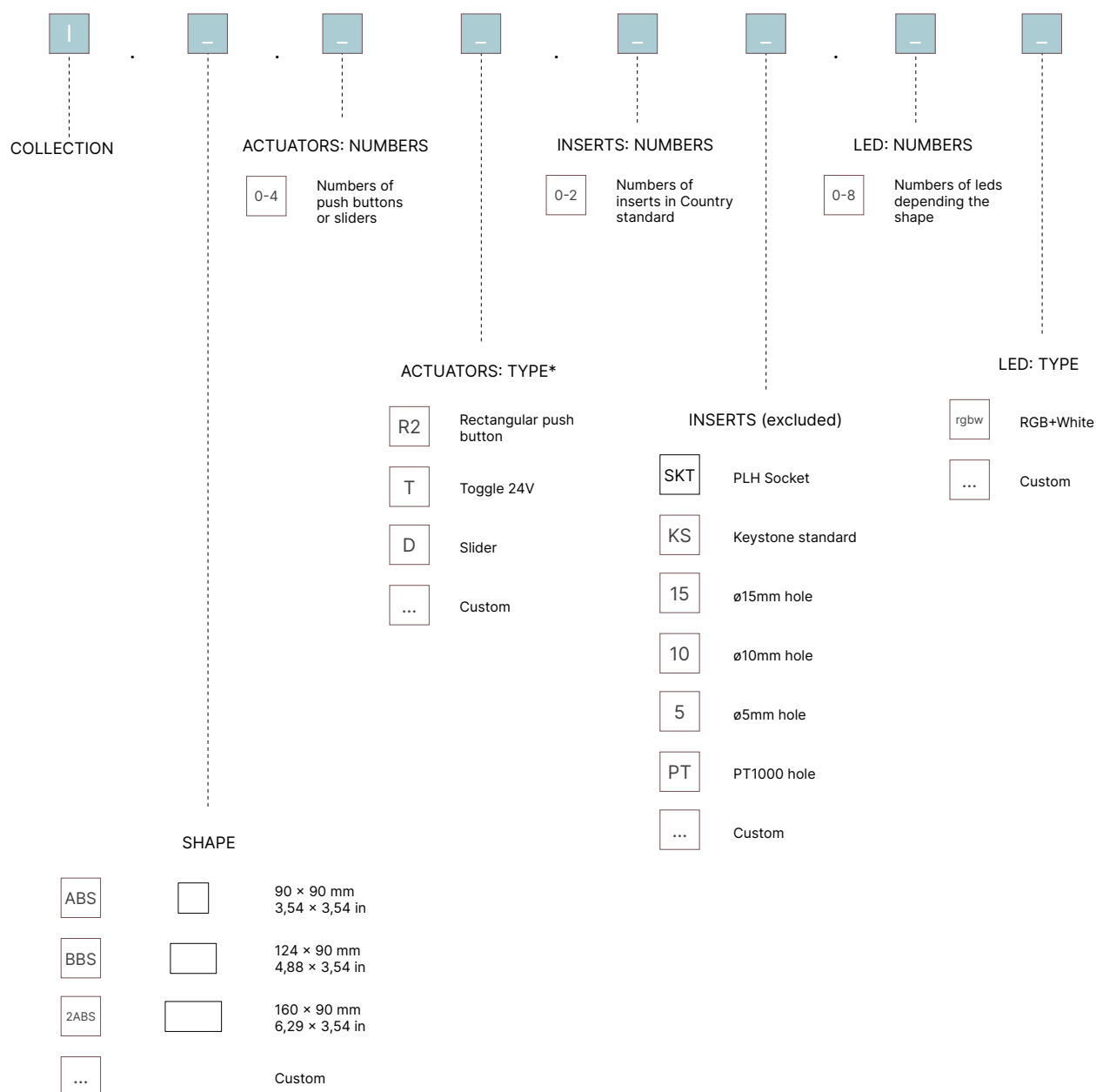


PLH Satis interprets the essence of electrical control with a contemporary, industrial twist.

The collection is natively integrated with KNX and DALI interfaces, and is designed for residential and hospitality applications where simplicity, control, and consistency are essential.



I.ABS.2R2.0.0



* When using toggles indicate the way of orientation and for main tension the kind (switch, 2 way switch or intermediate switch).

Contact PLH® for different types of toggles.

** on request

DESCRIPTION
Keypad in solid 316L stainless steel laser cutted, from a single sheet, 2mm thickness (+4 mm of shadow gap), in square or rectangular format for low voltage control devices and standard inserts, 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

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Code	Shape	Dim.	Single box	Eu standard	Notes
ABS		90 × 90 mm 3,54 × 3,54 in			European, British standard or Swiss standard wallboxes with screws
BBS		124 × 90 mm 4,88 × 3,54 in			503E Italian standard or USA 1-GANG JBox
2ABS		160 × 90 mm 6,29 × 3,19 in			504E Italian standard or 2 round/square wallboxes joined (71 mm opening)

MATERIALS, TREATMENTS, NUANCE

Stainless Steel 316L (only for PLH Neo)


G0171 (C)
Natural polished


G0104 (C)
Natural brushed


F0112 (D)
Is Pro® Gun Metal Velvet

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ACTUATORS

Electrical and mechanical specification

C

S

- 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

T

- Push-Button type: Double 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

D

- Actuator type: Slider 0-10V
- Rated current / Resistance: 50mA -10kΩ
- Electrical life (full load): 15.000 cycles
- Travel: 30 mm
- IP degree: 2x
- Terminals: SMD Terminal Block | Push-In Cage Clamp

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.

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LED

Electrical and mechanical specification

- Feedback led (**): $0,5 \leq I \leq 5 \text{ mA}$ (***)
- Positional Led (**): $10 \text{ mA} \leq 30 \text{ V (DC)}$
- 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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