datasheet

PLH MAKEUP

rev. 1.2_01/09/2026

MakeUp does not disappear:
it wants to be seen.

The MakeUp collection has been designed to emerge within the decorative project of the house and beyond, qualifying itself as an element for its enhancement.


M.R.1C.0.0

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COLLECTION

ACTUATORS: NUMBERS

0-12	Numbers of push buttons or toggles

INSERTS: NUMBERS

0-12	Numbers of inserts in Country standard

LED: NUMBERS

0-12	Numbers of leds depending the shape

ACTUATORS: TYPE*

C_m	Round mushroom shape
S_m	Square mushroom shape
T	Toggle 24V
D	Slider
...	Custom

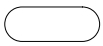
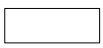
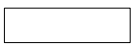
LED: TYPE

rgbw	RGB+White
...	Custom

INSERTS (excluded)

SKT	PLH Socket
SPK	PLH 2" Speaker **
LL	Bticino Living Light
VE	Vimar Eikon **
DE	55mm german standard
RC	Berker r-Classic
R19	Berker 1930
BIN	Berker Integro **
E2	Square standard Swiss collection
ES2	Round standard Swiss collection
KS	Keystone standard
15	ø15mm hole
10	ø10mm hole
5	ø5mm hole
PT	PT1000 hole
NF	_1 ø29/1mm Spot 1W _10 ø29/10mm Spot 1W
...	Custom

SHAPE

R		ø 80 mm ø 3,15 in
2R		152 × 80 mm 5,98 × 3,15 in
3R		223 × 80 mm 8,78 × 3,15 in
A		80 × 80 mm 3,19 × 3,15 in
ABS		90 × 90 mm 3,54 × 3,54 in
B		124 × 80 mm 4,88 × 3,15 in
2A		152 × 80 mm 5,98 × 3,15 in
3A		223 × 80 mm 8,78 × 3,15 in
4A		294 × 80 mm 11,57 × 3,15 in
...		Custom

* When using toggles please indicate the direction of orientation. Contact PLH® for different types of toggles.
** on request

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, 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
R		ø 81 mm ø 3,19 in			Round wallboxes with screws 60mm installation opening
2R		152 × 81 mm 5,98 × 3,19 in			2 round wallboxes joined (71 mm installation opening)
3R		223 × 81 mm 8,78 × 3,19 in			3 round wallboxes joined (2×71 mm installation opening)
A		81 × 81 mm 3,19 × 3,19 in			Round or square wallboxes with screws 60mm installation opening
ABS		90 × 90 mm 3,54 × 3,54 in			British standard or Swiss standard wallboxes with screws
B		124 × 81 mm 4,88 × 3,19 in			503E Italian standard or USA 1-GANG JBox
2A		152 × 81 mm 5,98 × 3,19 in			504E Italian standard or 2 round/square wallboxes joined (71 mm installation
3A		223 × 81 mm 8,78 × 3,19 in			506L Italian standard or 3 round/square wallboxes joined (2×71 mm installation
4A		294 × 81 mm 11,57 × 3,19 in			4 round/square wallboxes joined (3×71 mm installation opening)

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

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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 ≤ I ≤ 5 mA (***)
→	Positional Led (**) :	10 mA ≤ 30 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
(***) without any limitation of the current. Limitation need to be a part of the interface connect to our led

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