



PUSHBUTTON

PUSHBUTTON PB SERIES
PANEL CONTAINER
VESA CONTAINER

Mind
over
Innovation.

ESA S.p.A. | www.esa-automation.com |

Overview

Smart Tech. Ease of Use.

IPC	SOFTWARE
HMI	IIOT & CLOUD
HMI + SOFT PLC	EMS
PAC	REMOTE ASSISTANCE
WEB PANEL	SCADA
INDUSTRIAL ROUTER	CNC & MOTION
I/O	
DRIVE & MOTOR	

Document description

This datasheet is dedicated to the pushbutton (PB) product line

To be used in a variety of special environment and different industry applications.

Product description

PB series is a collection of vandal proof control units.

Precision design, compact structure and nice appearance are the main characteristics of the PB series.

FEATURES

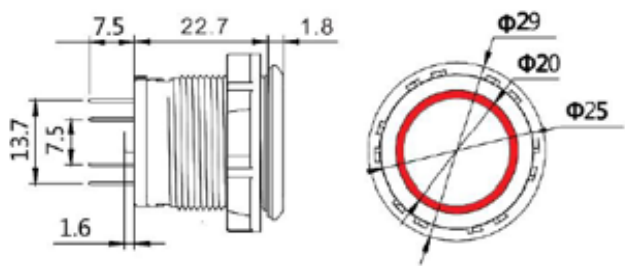
- + Compact space saving design, the height is 32mm and can be used in small space.
- + Quick assembling.
- + Available with momentary or maintained action and with or without led illumination.
- + The illumination can be flat/convex or ring.
- + Pushbuttons, Emergency switches, selector switches and key selector switches.
- + Pilot lamps with ring or flat lenses.
- + Quick connection, simple wiring and no tool.
- + Slim and stylish design enhances the appearance of the application.
- + High intensity illumination, high brightness LED, luminous uniformity color.



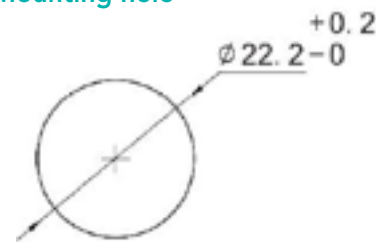
Pushbuttons | Pushbuttons ring | Selector switches and Emergency Stop Switch



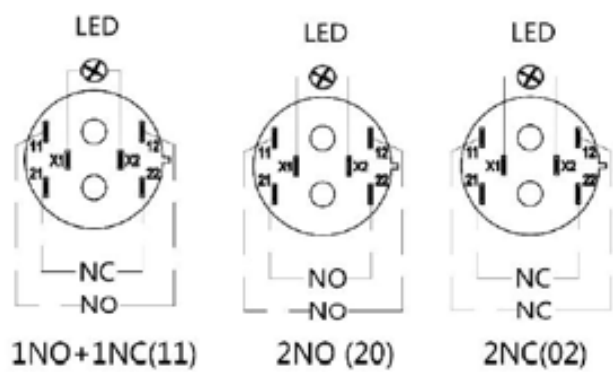
Dimensional drawing



Mounting hole



Bottom view

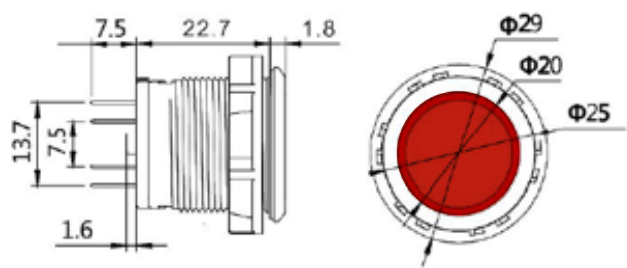


Item	Pushbutton, Selector switch, E-stop	Pilot lamp
Protection degree	IP 65	IP 67
Stroke	3 mm	
Vibration	5 ~ 55 Hz Amplitude 0.5 mm	
Operating temperature	-25°C ~ +55°C (no freezing)	
Storage temperature	-40°C ~ +70°C	
Operating Humidity	40 ~ 85%RH (No Condensation)	
Standard	IEC/EN60947-5-1	
Lamp life		
Model	Life	
LED bulb	30000h	The brightness reduced to 50% of the initial value

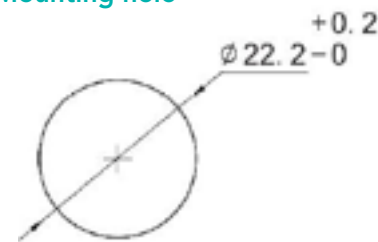
Pushbuttons | Pushbuttons ring |Selector switches and Emergency Stop Switch



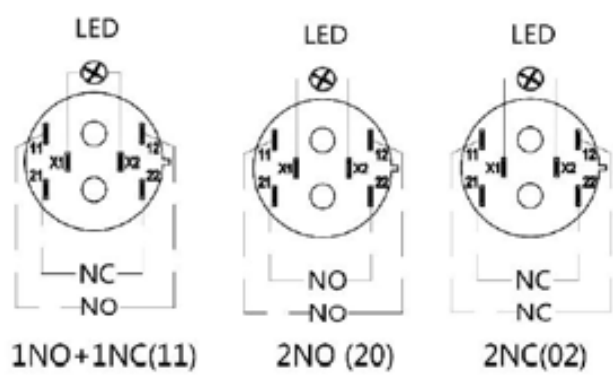
Dimensional drawing



Mounting hole



Bottom view

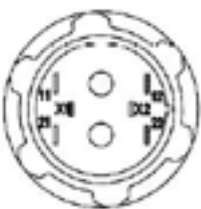
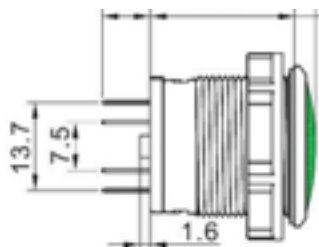


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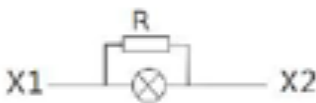
Pilot lamp

Dimensional drawing

Bottom view



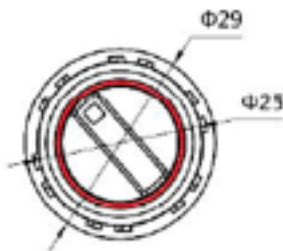
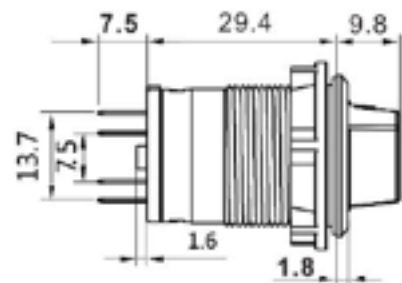
Wiring diagram



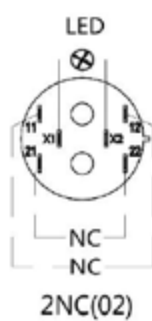
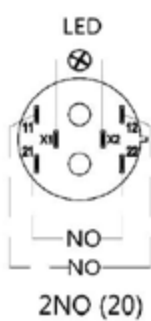
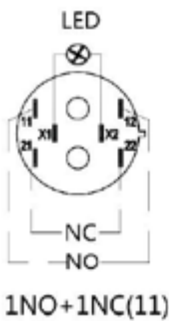
Lighting Form	Singol Color
Rated voltage	24 V DC
Rated current	7 ~ 7.5 mA

Selector switch

Dimensional drawing



Botton view

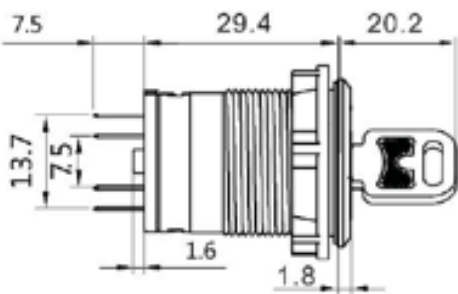


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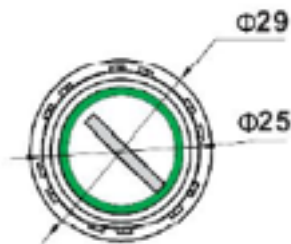
Key selector switch



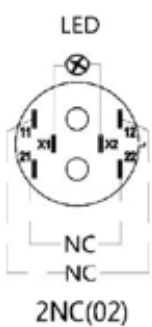
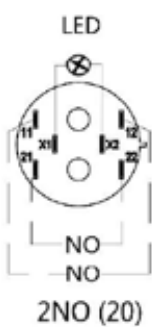
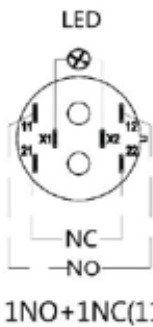
Dimensional drawing



Bottom view



Bottom view

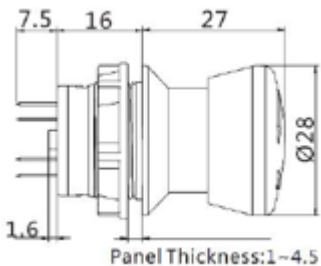


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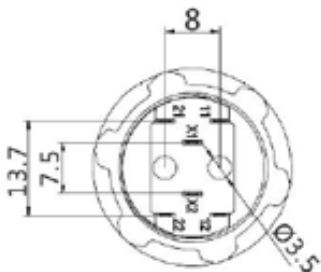
Emergency stop switch



Dimensional drawing



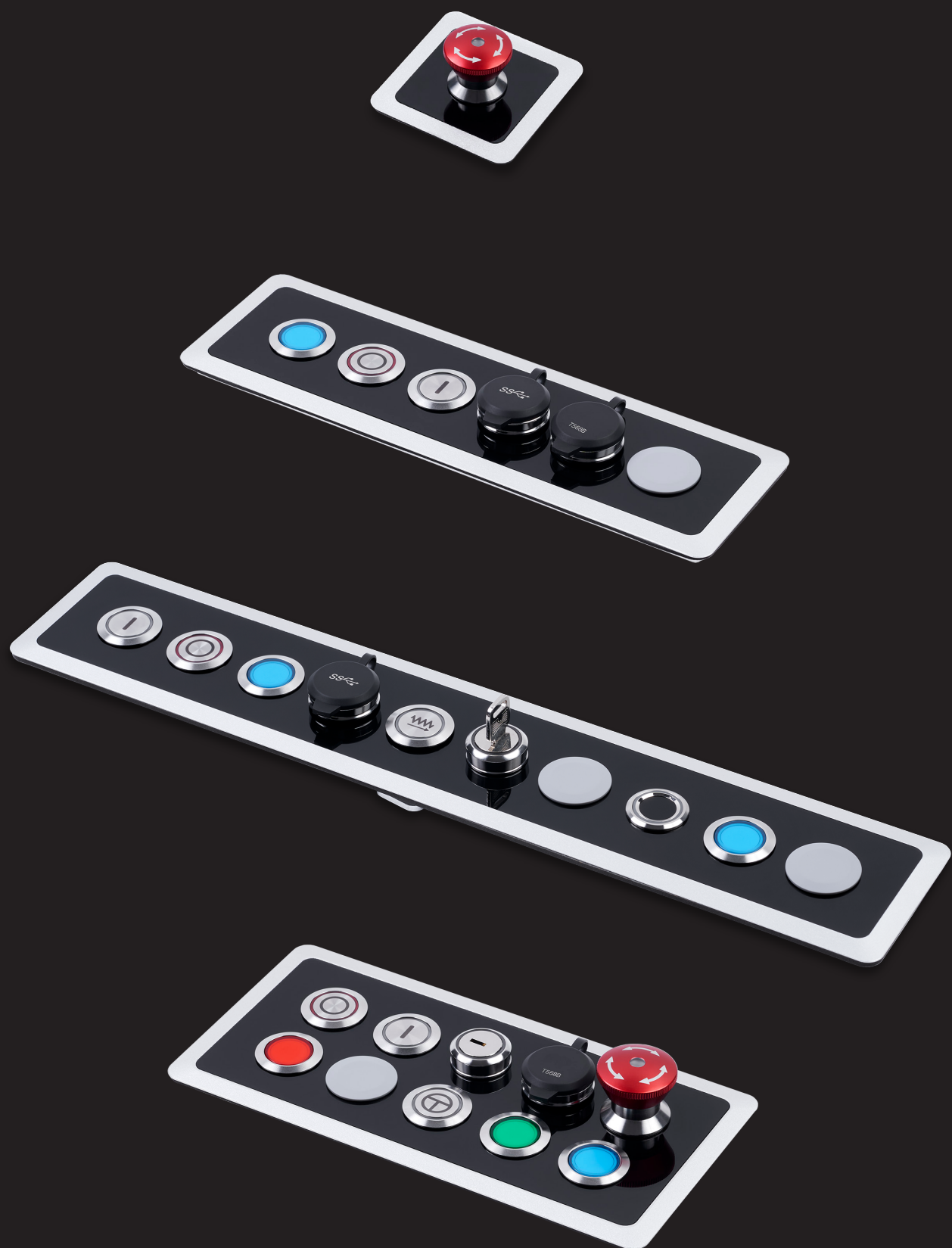
Bottom view



Action Mode	Press lock - Rotation reset (bilateral rotation, clockwise 25°)
Stroke	3.5mm
Operating force	Maintained: about 17 N - Spring return: about 6 N.m

Product code

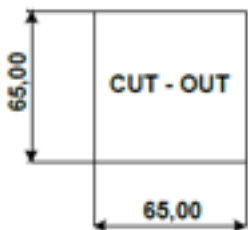
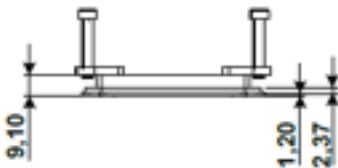
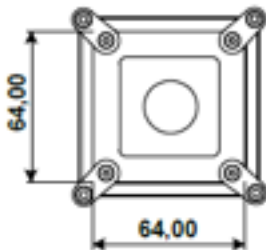
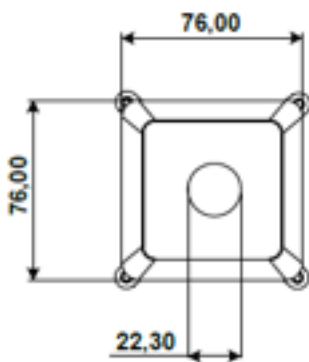
Code	Description
PBE22XL5C200000	PUSH BUTTON/EMERGENCY/LIGHT
PBG22P000000000	COVER-PLUG
PBK22X00C1N1000	KEY SELECTOR 2 POS/1NC/1NO
PBS22XR1C1N1000	SELECTOR/1NC/1NO/WLIGHT-RING
PB022XL1C1N1000	PUSH-BUTTON/WHITE LIGHT/1NC/1NO
PB022XL2C1N1000	PUSH-BUTTONB/YELLOW LIGHT/1NC/1NO
PB022XL3C1N1000	PUSH-BUTTONB/GREEN LIGHT/1NC/1NO
PB022XL4C1N1000	PUSH-BUTTON/BLUE LIGHT/1NC/1NO
PB022XL5C1N1000	PUSH-BUTTON/REDLIGHT/1NC/1NO
PBI22XL10000000	WHITE LIGHT INDICATOR
PBI22XL20000000	YELLOW LIGHT INDICATOR
PBI22XL30000000	GREEN LIGHT INDICATOR
PBI22XL40000000	BLUE LIGHT INDICATOR
PBI22XL50000000	RED LIGHT INDICATOR
PBH22X000000500	ETHERNET PORT 500 CM
PBH22X000000050	ETHERNET PORT 50 CM
PBU22X000000500	USB PORT 500CM
PBU22X000000050	USB PORT 50CM



PBOX2011000000



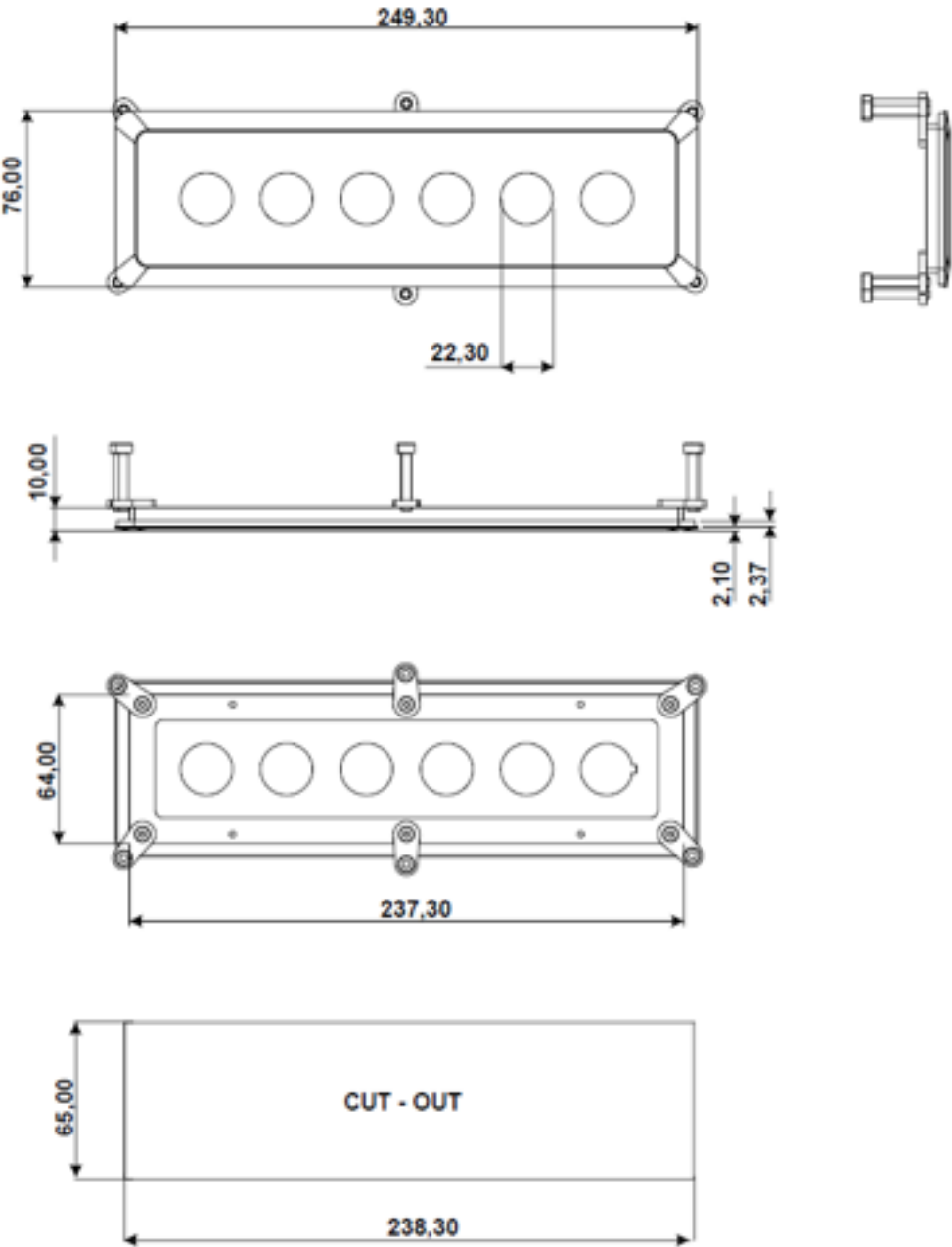
Dimensional drawing



PBOX20610000000



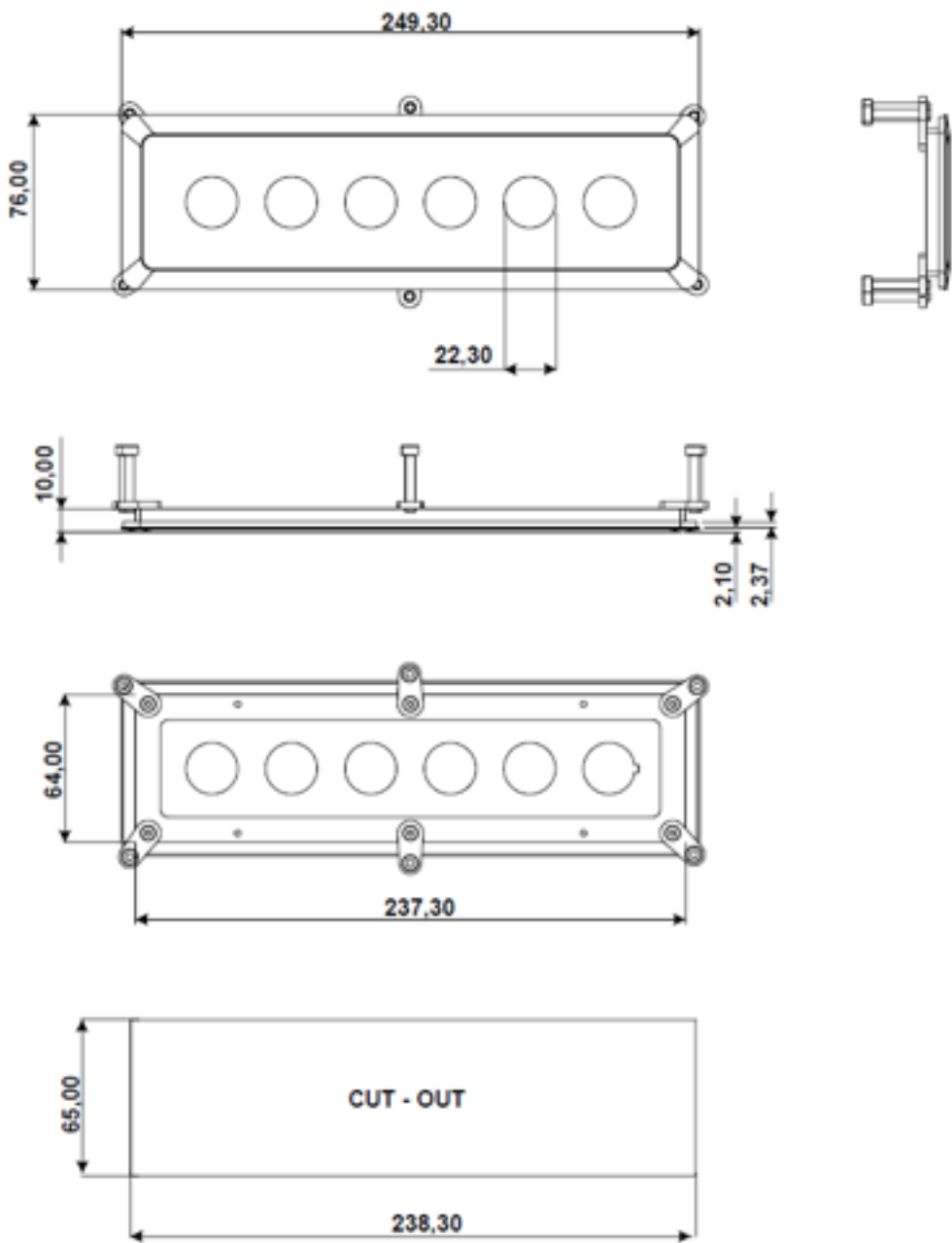
Dimensional drawing



PBOX21010000000



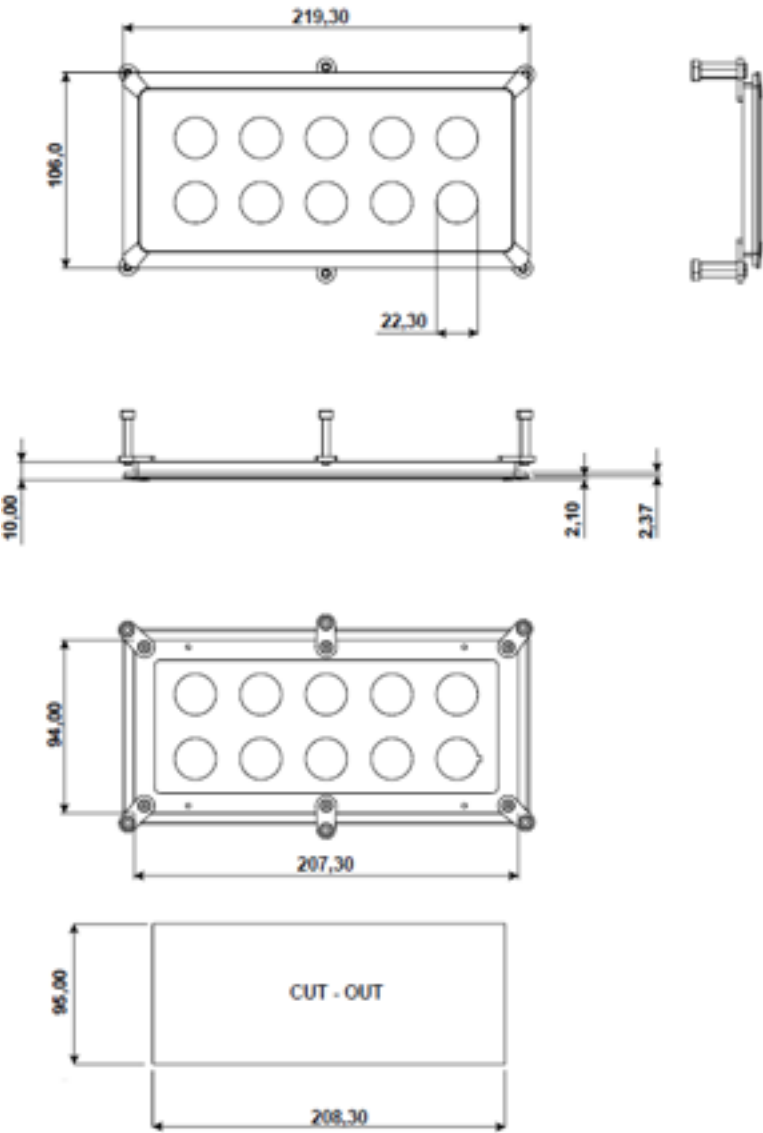
Dimensional drawing



PBOX20520000000



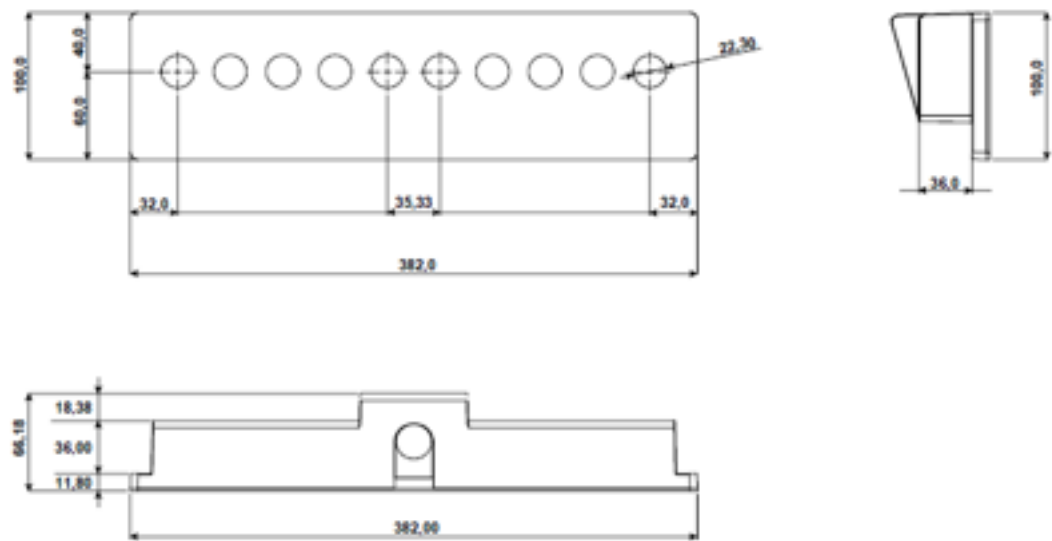
Dimensional drawing



VESA mounting container
PBOX11010000000



Dimensional drawing



Technical Specifications

Panel mounting

Code	Layout
PBOX20110000000	1 SLOT – 1 ROW
PBOX20610000000	6 SLOTS – 1 ROW
PBOX21010000000	10 SLOTS – 1 ROW
PBOX20520000000	5 SLOTS – 2 ROWS

Vesa mounting

Code	Layout
PBOX11010000000	10 SLOTS – 1 ROW



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