NEW PRODUCTS

2022 / 2023

BOPLA

A Phoenix Mecano Company

ET101001DSA

BOPLA
enclosures ■ content matters

NEW

In addition to a display, square formats provide space for operating elements.
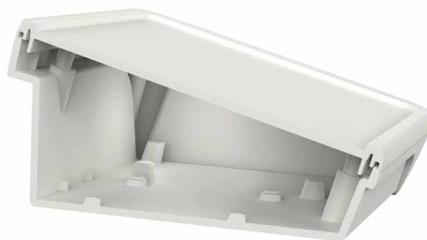
Larger interior space and steeper-angled operating surface than with previous variants.

The highly-recessed rear panel provides improved mechanical protection for interfaces.

Side-mounted recessed grips increase operating comfort.

A VESA wall fitting is now also available for small BoPad formats (and other BOPLA enclosures).

Moulded holders for current Raspberry Pi-type SBCs.

BoPad

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A Phoenix Mecano Company

Colour:

⚫ Black, similar to RAL 9005

⚪ White, similar to RAL 9016

Special Colours on request

Protection class:
IP40, with seal: IP65 DIN EN 60529

Material:
Enclosure: ABS
Seal / Impact protection: TPE
4 colour for seals (black, white, red, blue)
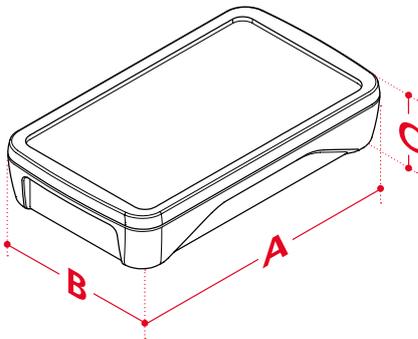
Dimensions

Model	A	B	C (Flat)	C (10°)	C (15°)
BOP 520	130	75	17.5	-	-
BOP 500	130	75	26	-	-
BOP 700	165	90	34	47.5	-
BOP 900	200	105	34	53.6	-
BOP 7.0	215	150	46	53	75.7
BOP 10.1	285	198	46	61.2	92.9
BOP 1212	122	118	-	-	57.6
BOP 1616	164	160	-	-	68.4
BOP 2222	226	220	-	-	83.7

Variants

Model	Battery compartment	Type (10°)	Type (15°)	VESA fitting	Touch/Display
BOP 520	✓			50	2.4", 2.8"
BOP 500	✓			50	2.4", 2.8"
BOP 700	✓	✓		50	3.5", 4.3"
BOP 900	✓	✓		75	3.5", 4.3", 5.0"
BOP 7.0		✓	✓	75	7"
BOP 10.1		✓	✓	75	10.1"
BOP 1212			✓	75	3.5"
BOP 1616			✓	75	5.7"
BOP 2222			✓	75	7.0"

We will be happy to carry out for you any processing required for display integration and VESA fitting.

Enclosure designs

BOP 520

BOP 500

BOP 700
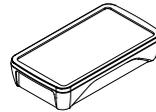
BOP 700 PH

BOP 900
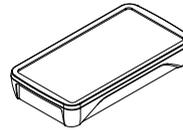
BOP 900 PH
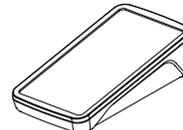
BOP 7.0
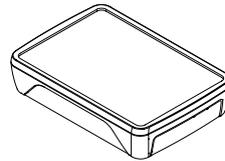
BOP 7.0 PQ
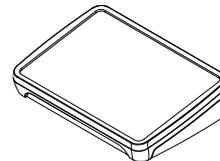
BOP 7.0 P

BOP 10.1
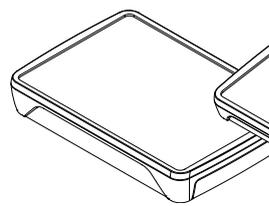
BOP 10.1 PQ
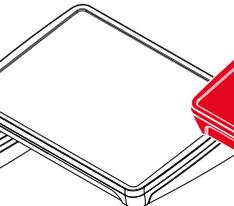
BOP 10.1 P
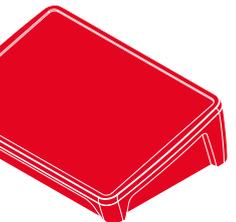
BOP 1212

BOP 1616

BOP 2222

Bocube Alu

Colour:

● Light grey, similar to RAL 7035

● Graphite grey, similar to RAL 7024

Special colours on request

Protection class:

IP66 / IP68 (1.2 m - 2 h) / IP69 DIN EN 60529;
Higher protection class on request

Material:

Enclosure: GD Al Si 12
Seal: PU foamed
Hinges / covers: Al Mg Si 0,5
powder-coated or
anodized in natural color

NEW
BA 342412

Enclosure designs

BA 100806

BA 140806

BA 141306

BA 141309

BA 180806

BA 180809

BA 241306

BA 241309

BA 281706

BA 281709

BA 342412

363 x 242 x 120 mm

With its modern design, Bocube Alu is setting new standards in the aluminium diecast enclosure sector. In accordance with the requirements of the EU machinery directive relating to mounting, installation and maintenance, all parts are firmly attached to the enclosure.


The hinged cover is screwed on from one side and seals the enclosure to a maximum protection level of IP69. All fixing elements are concealed under a design cover.

For applications which are subjected to extremely high vibration loads, Bocube Alu is also available with a conventionally-screwed cover.

Alu-Topline

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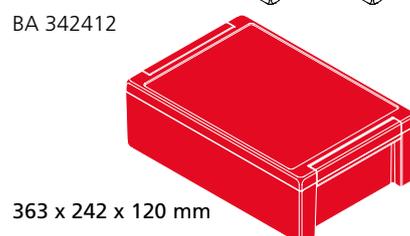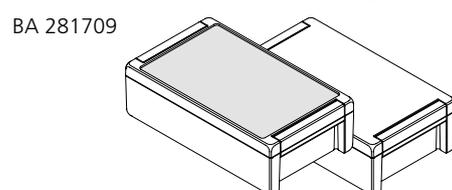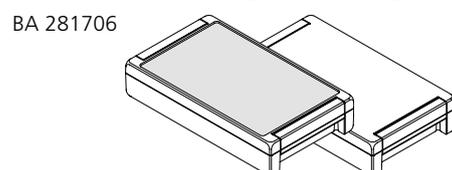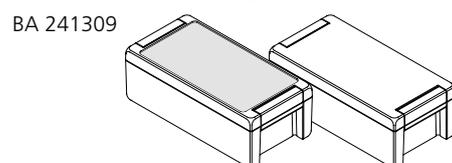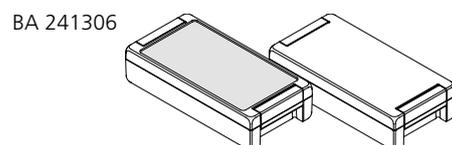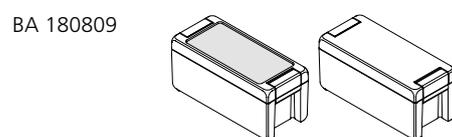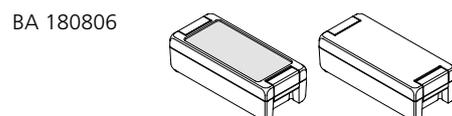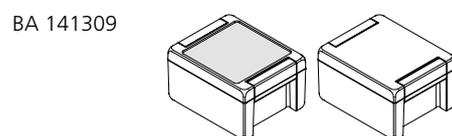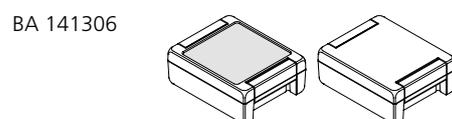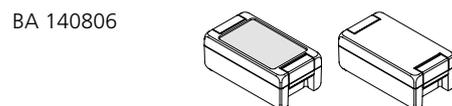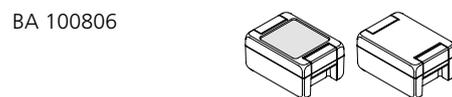
Colour:

Profile anodized in natural color

Plastic Lid:

⬤ Graphite grey, similar to RAL 7024

⬤ Black, similar to RAL 9005

Special colours on request

Protection class:

ATPH: IP40; optional IP54 DIN EN 60529;

ATPH-IP: IP65 DIN EN 60529

Material:

Extruded profiles: Al Mg Si 0,5; anodized

Plastic lid: ABS

Design seal: TPE

Seal: EPDM

NEW

IP65 / 10.1" ATPH-IP

Enclosure designs

ATPH 1850
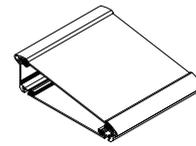
ATPH 1865
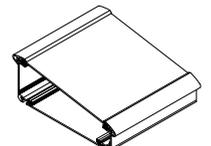
ATPH-IP 2385

**232,6 x 86,2 x C mm**

C = variable
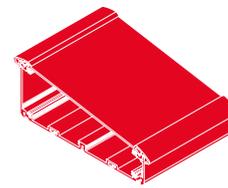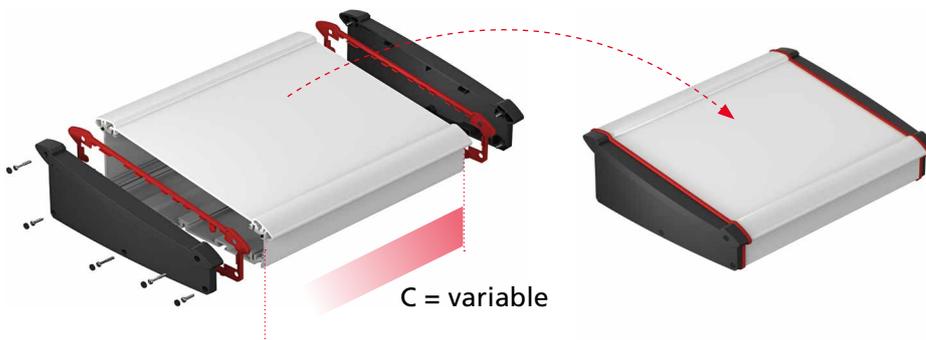
The enclosure body consists of anodised aluminium profiles and can be adapted to any application (coloured design seals only with the ATPH-IP variant).

Plastic lids are available as profile ends in three standard colours – and now also in black, as many customers have requested.
The ATPH-IP variant also has a design seal.
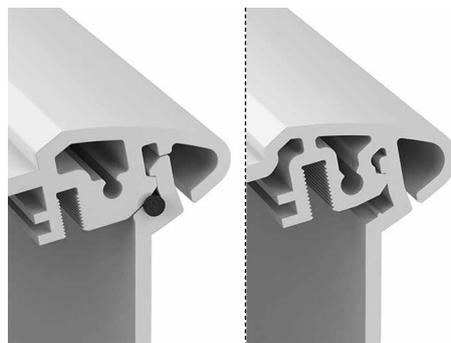
The split enclosure profile allows easy access to the interior, and fast, problem-free mounting of the electronic components.

The factory-fitting of a round cord seal in combination with the AT...DI seal ensures that the ATPH variant (left) achieves protection class IP54.
The ATPH-IP version (right) provides IP65 protection as standard.

The profiles are equipped with various plug-in slots and also screw channels for alternative uses for mounting circuit boards.
ATPH 18.. = 7.0", ATPH-IP 2385 = 10.1".

For details, see „Technical Information" in the BOPLA main catalog THE RED BOOK 5.0 or at www.bopla.de.

5

The product advantages

Euromas X adds new formats and functions to the classic EUROMAS range.
Available in ABS and polycarbonate material variants.

PC   **ABS**

PC variants with an injection-moulded seal provide protection class IP66/68;
ABS IP65.

Numerous designs are equipped with directly moulded-on wall brackets.

Euromas X enclosures have a recessed area for fitting membrane keypads or display screens.

The lid screws – secured against falling out – are screwed into high-quality threaded bushings.

Circuit boards can be securely fixed in the base by means of screw domes.
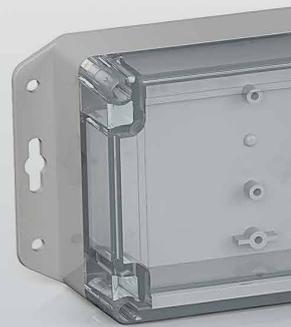
Euromas X

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Colour:

⬤ Light grey, similar to RAL 7035

Special colours on request

Protection class:

PC variants: IP66 / IP68 (1.2 m - 2 h) DIN EN 60529
ABS variants: IP65 DIN EN 60529
Impact resistance: IK07 acc. to IEC 62262

Material:

Enclosure: ABS (XT) or PC (XM)
Seal: CR bei ABS; PU for PC

Enclosure designs
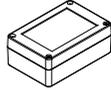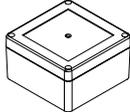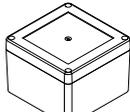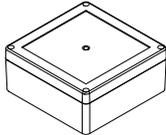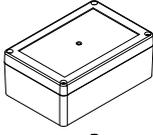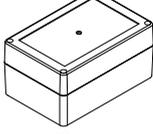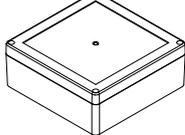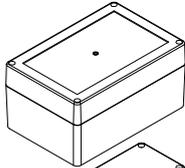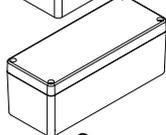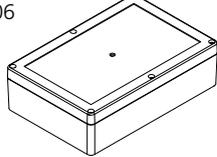
XM / XT 110704	XM / XT 050504 WL
XM / XT 111106	XM / XT 060604 WL
XM / XT 111108	XM / XT 090604 WL
XM / XT 130804	XM / XT 110704 WL
XM / XT 141406	XM / XT 120805 WL
XM / XT 151006	XM / XT 120806 WL
XM / XT 151008	XM / XT 151005 WL
XM / XT 151506	XM / XT 151006 WL
XM / XT 181209	XM / XT 181206 WL
XM / XT 190808	XM / XT 211405 WL
XM / XT 211406	
XM / XT 241911	
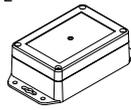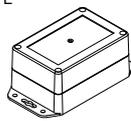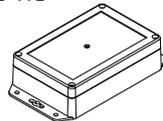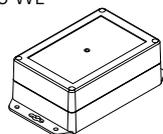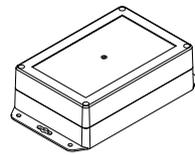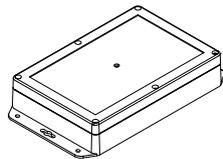
Design types
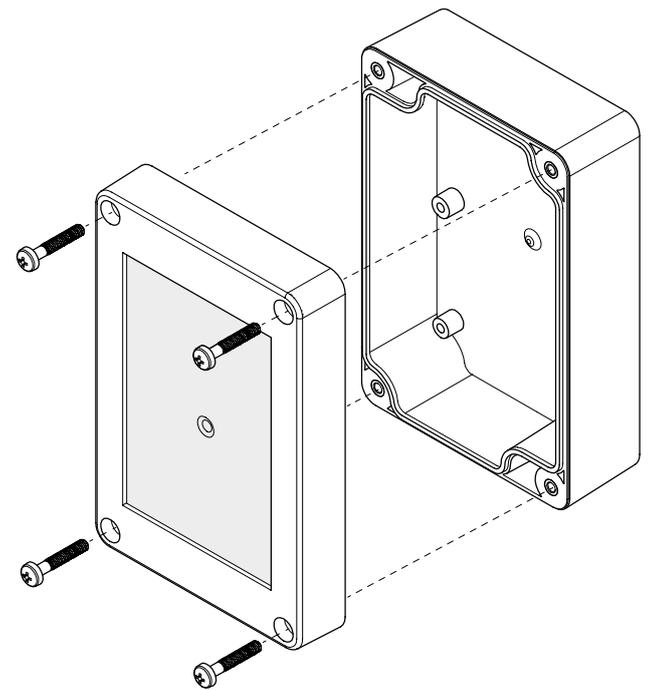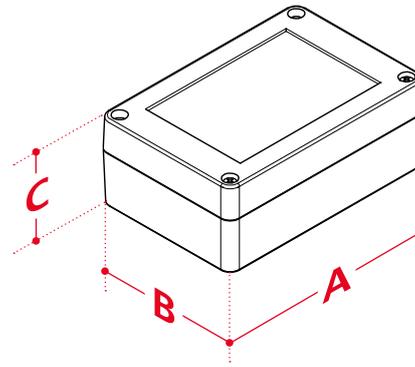
Crystal-clear cover (G)
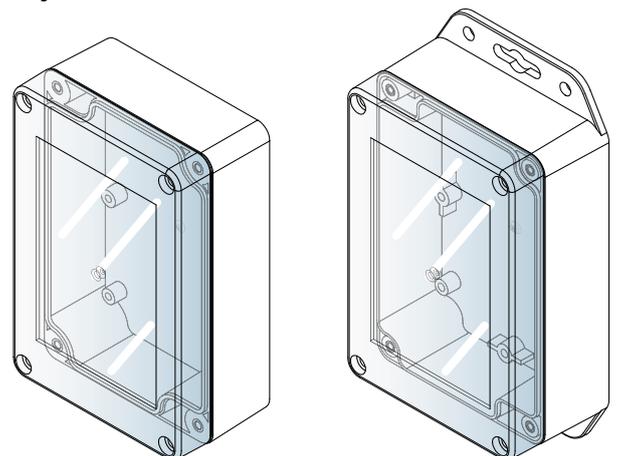
Euromas X

Enclosure with moulded-on wall brackets (WL)
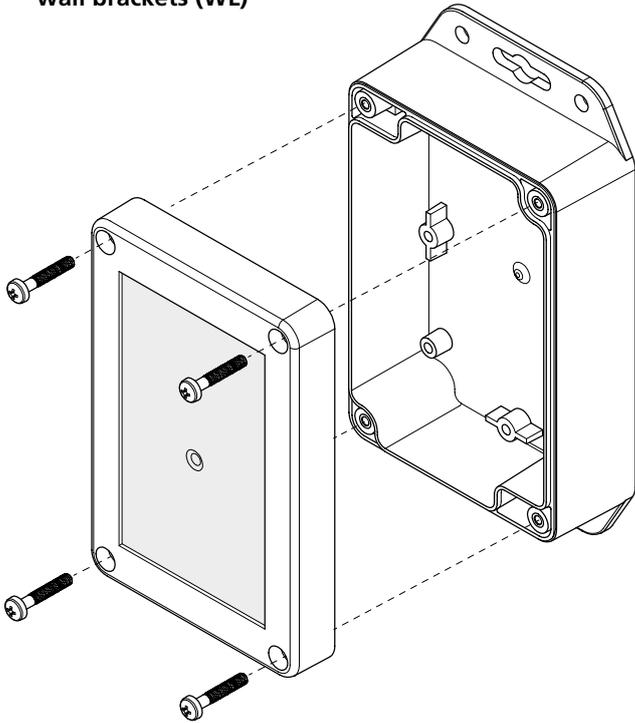
Dimensions

Model	A	B	C
XM (G) / XT 110704	105	70	40
XM (G) / XT 111106	105	105	60.1
XM (G) / XT 111108	104.8	104.8	74.7
XM (G) / XT 130804	125	75	37.2
XM (G) / XT 141406	134.7	134.7	60.1
XM (G) / XT 151006	150	100	60
XM (G) / XT 151008	150	100	75
XM (G) / XT 151506	149.9	149.9	60
XM (G) / XT 181209	180	120	90.3
XM (G) / XT 190808	191.8	75.1	75.3
XM (G) / XT 211406	209.7	139.8	60.1
XM (G) / XT 241911	240	191.3	105.6

With wall brackets			
XM (G) / XT 050504 WL	45.9	46	40.1
XM (G) / XT 060604 WL	61.1	61.3	40
XM (G) / XT 090604 WL	91.1	61.3	39.9
XM (G) / XT 110704 WL	105.2	71.3	40
XM (G) / XT 120805 WL	121.4	81.5	45.2
XM (G) / XT 120806 WL	121.4	81.5	60.2
XM (G) / XT 151005 WL	151.4	101.5	45
XM (G) / XT 151006 WL	151.4	100	60
XM (G) / XT 181206 WL	181.3	94.9	60.2
XM (G) / XT 211405 WL	211.1	141.3	45.1

Accessories
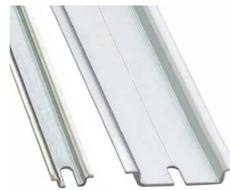
DIN rails
TH 15, TH 35
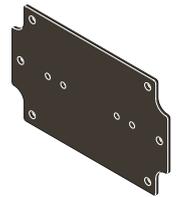
Mounting panels in different versions

Mast mounting on demand

General accessories

NEW

Mast brackets for industrial enclosures

Five sizes for our huge industrial enclosure portfolio

The modular system consists of a mast bracket, a set of screws and a sleeve. Only 5 different mast bracket variants are required for BOPLA's entire industrial enclosure portfolio, which consists of several hundred enclosure sizes and versions. The alignment of the enclosures is unimportant – mounting can take place both vertically and horizontally.

This flexibility is achieved by means of an intelligent arrangement of the drill hole diameters and positions, in addition to the partial use of slots.

Specially-matched mast brackets are also available for our POLYSAFE polyester switch cabinet system.

Suitable for enclosure series:

| Bocube | Euromas II
Euromas X | Euromas
ABS I PC | Euromas
Polymas | Euromas
Polyester | Bocube Alu | Euromas Alu | Polysafe |
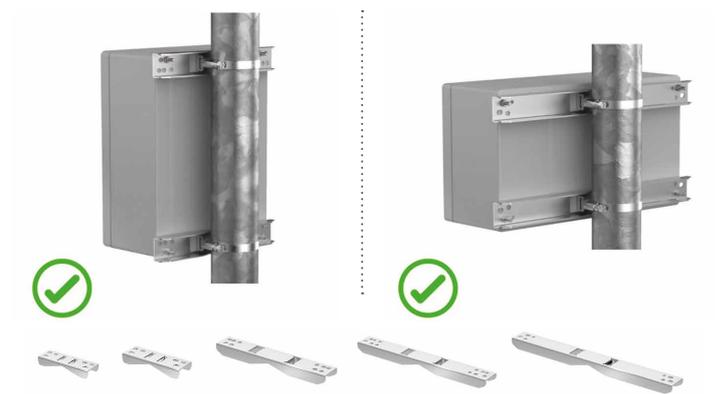
Wall fitting to VESA standard

Our wall fittings with their VESA-compatible drilling hole pattern allow easy, reliable mounting of a BOPLA enclosure on walls, control panels or machine enclosures. Thanks to their very low installation height, they are almost invisible when fitted.
As universal accessories, they can be used in coordination with almost all BOPLA enclosures, if necessary after suitable mechanical processing.
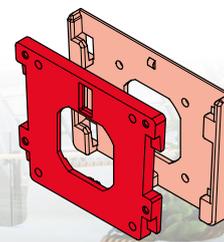
VESA 50   **VESA 75**

Ventilation elements

PS VE XS

PS VE XL
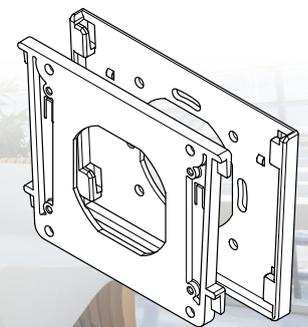
These ventilation elements prevent the formation of condensation in enclosures used in varying climatic environments. They make possible unrestricted high air flow, so they are the right choice especially for large-volume enclosures.
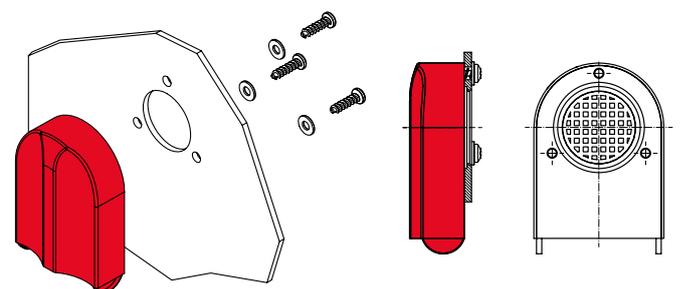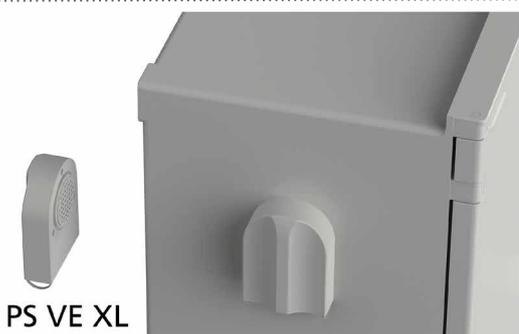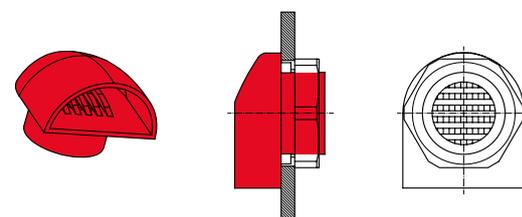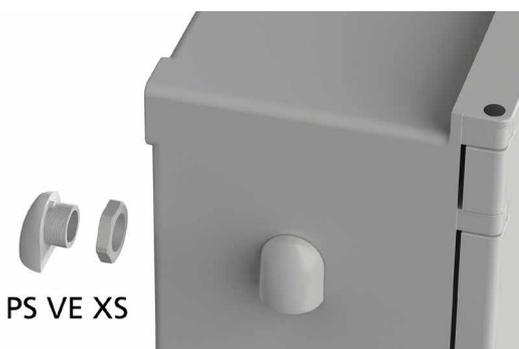
BOPLA

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A data download can be found at: **www.bopla.de**