



# **BOXES - CONSUMER UNITS**



### **ISOBOX** Flush mounting boxes - For masonry



#### **Technical specifications**

- technopolymer highly resistant to impacts and to deformation
- temperature during installation: from -15 °C to +60 °C
- resistance to abnormal heat and to fire (Glow Wire test) 650 °C (960 °C .AU types)
- •20% increased inner space to ease accomodation of all the equipments and of all the cables necessary for their supply and operation
- possibility of realizing modular and electrically separated compartments with the divider V71550
- knockouts to accomodate differently sized conduits
- fixing lugs for the mounting frame screws with zinc-plating and olive green passivation, protected by special wax-like covering to prevent thread occlusion during installation and plastering and to ease screws engagement
- knockouts can be opened without the use of a tool
- antimortar protection for ø 60 mm round mounting boxes and 3, 4, 5 and 6/7-module rectangular mounting boxes, through specially designed yellow covers
- technological solutions covered by many patents

### Conformity to Standards LV Directive

EN 60670-1 Standard



Dividing screen to realize modular and electrically separated compartments



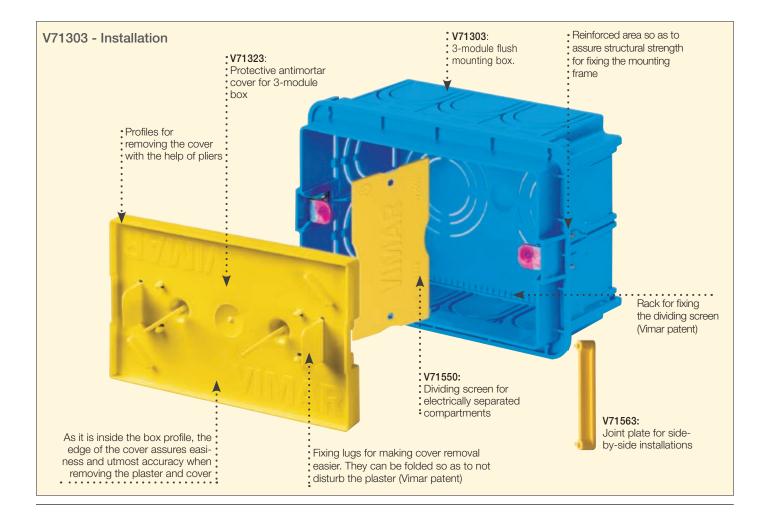
Knockouts on all sides to accomodate differently sized conduits



Precise back to back positioning, thanks to marking and stopping pins



Knockouts fixed to the box in two points only



### **ISOBOX** Flush mounting boxes - For hollow walls

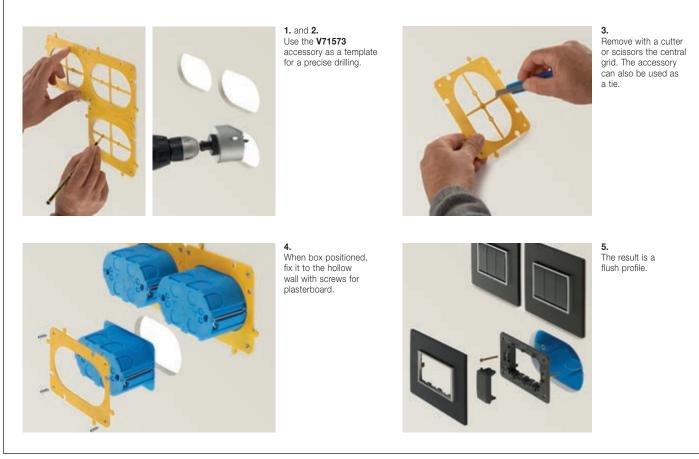


**Technical specifications** 

- suitable to be mounted in cavity walls (plaster, wood, laminated structures) not permitting the use of conventional fixing devices
- rear built-in centring template, for a faster and more precise preparation of the plate and side-by-side installation. The box shape allows the use of a 68 mm hollow mill applied to a drill.
- Knockouts with patented retention. On each side there are knockouts of different diameters: 16, 20 and 25 mm. And for each knockout a patented system holds the corrugated pipe thanks to a special flap on the bottom of the box: just insert the pipe
- metal flaps, with progressive tightening.
- when positioning the box they retract to permit easy insertion into the hole.
- during assembly they have progressive tightening to grip on plates from 1 to 38 mm.
- and if you want to remove the box, just loosen the screws and the flaps will retract into their seat
- technopolymer, highly resistant to impacts and to deformation
- $\bullet$  temperature during the installation: from -15 °C to +60 °C
- $\bullet$  resistance to abnormal heat and to fire: Glow Wire test at 850  $^{\circ}\mathrm{C}$

Conformity to Standards LV Directive EN 60670-1 Standard

Example of side-by-side installation of flush mounting boxes for hollow walls with multi-purpose accessory.



### ISOBOX



### Flush mounting boxes - For masonry and hollow walls

Flush mounting boxes for masonry (GW 650 °C)



**V71001** Round, light blue



V71303 3 modules, light blue



V71304 4 modules, light blue



**V71305** 5 modules, light blue



**V71306** 6 modules, light blue

#### Flush mounting boxes for masonry (GW 650 °C)





**09996** 3+3, 4"x4" modules, light blue

V71318 8 modules, light blue



V71320 12/14 modules, light blue



V71321 18/21 modules, light blue

Flush mounting boxes for masonry (GW 960 °C)



**V71001.AU** Round, ø 60 mm,

black



V71303.AU 3 modules, black



V71304.AU 4 modules, black



V71305.AU 5 modules, black



V71306.AU 6 modules, black

Flush mounting boxes for hollow walls (GW 850 °C)







V71703 3 modules, light blue



V71704 4 modules, light blue



V71706 6/7 modules, light blue



V71718 Multifunction, light blue



V71720 Multifunction, light blue

### **ISOBOX**



### Flush mounting boxes - For masonry and hollow walls

#### Antimortar protective covers

V71323

yellow

Cover for

V71303...,











yellow



V71328 Cover for V71318, yellow

V71011 Cover for V71001..., yellow

V71324 Cover for V71304..., yellow

#### V71325 Cover for V71305..., yellow



Accessories for hollow walls flush mounting boxes



V71571 Multi-purpose accessory for 2-module boxes



V71573 Multi-purpose accessory for 3-module boxes



Multi-purpose accessory for 4-module boxes

V71550 Dividing screen for flush mounting boxes V71303..., V71304..., V71305..., V71306... For electrically separated compartments



V71551 Horizontal dividing screen for flush mounting boxes V71320, V71321, V71720. For electrically separated compartments



V71552 Horizontal dividing screen for flush mounting boxes V71318, V71718. For electrically separated compartments



mounting boxes.

For horizontal or vertical

side-by-side installations

V70191

Joint plate

Cover for flush mounting boxes

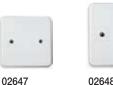
Accessories for flush mounting boxes



02645 ø 76 mm, with claws, for ø 55-70 mm boxes, urea resin



02646 ø 94 mm, with claws, for ø 75-85 mm boxes, urea resin



82x82 mm,

with claws, for

ø 55-70 mm

02648 101x101 mm, with claws, for ø 75-85 mm boxes, boxes, urea resin urea resin



02653 With screws, for 3-module boxes, urea resin



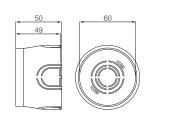
V71630 220x179 mm, with screws, for V71320 and V71620 boxes



V71631 140x140 mm, for V71318, to fix to antimortar cover V71328 (included), white

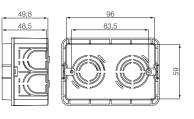


#### Dimensions in mm

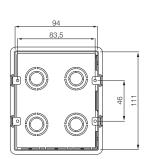


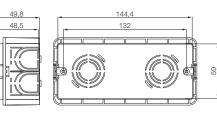
V71001 V71001.AU

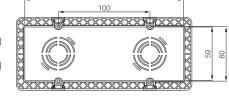
V71305 V71305.AU



V71303 V71303.AU V71304 V71304.AU







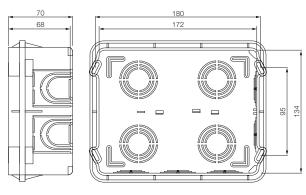
174,3

V71306 V71306.AU

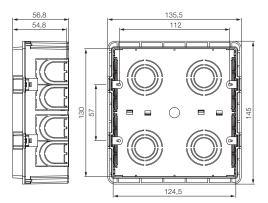
49,8

48,5

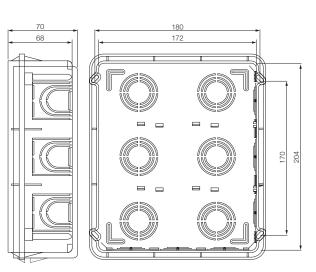
09996 Overall dimensions: 48 mm Flush depth: 46,8 mm



V71320



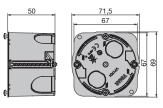
V71318



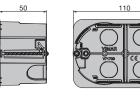
V71321



### Dimensions in mm

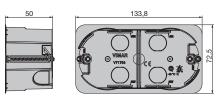


V71701

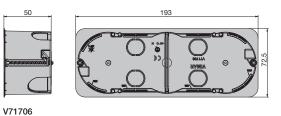


V71703



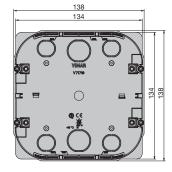


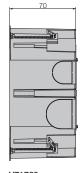
V71704

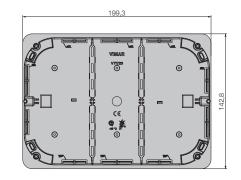




V71718





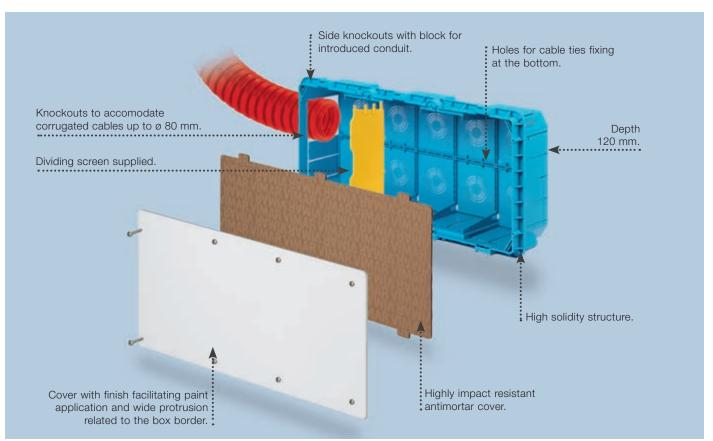


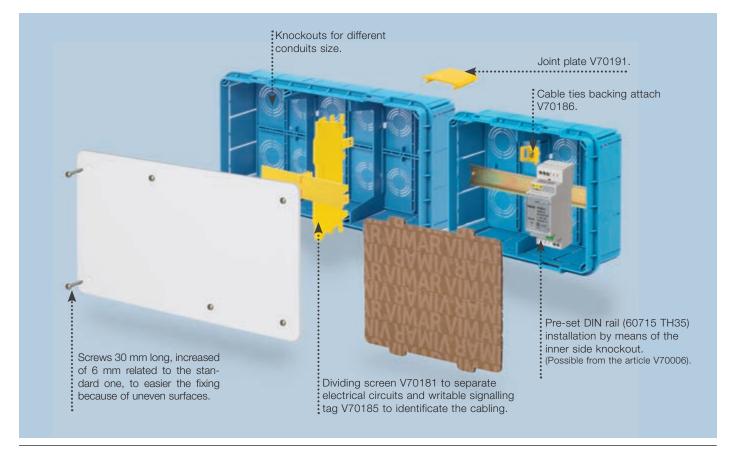
V71720



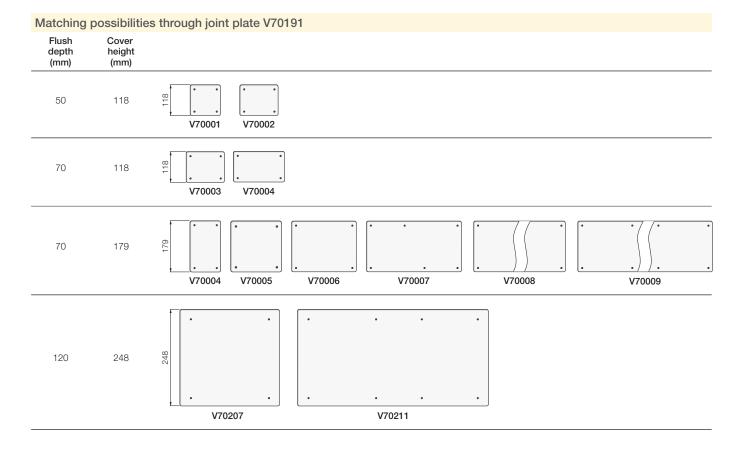
#### New performance throughout the series

We have introduced new features throughout the entire range to optimise your work and improve the performance of our products: extra-large screws, anchors for cable ties, DIN rail fitting and new antimortar cover with high-strength seal.

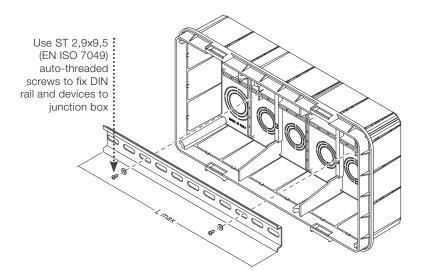




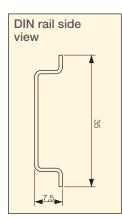


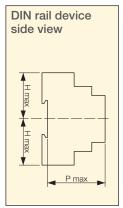


#### DIN rail and devices installation



DIN rail: TH 35-7,5 hat-section (according to EN 60715 Standard)





#### Outer dimensions of installable devices

DIN rail length ( <b>L max</b> )	Devices depth ( <b>P max</b> )	Devices height ( <b>H max</b> )
179	55	45
271	55	45
375	55	45
463	55	45
498	60	45
498	60	45
235	100	75
235	100	75
	(L max) 179 271 375 463 498 498 235	(L max) (P max)   179 55   271 55   375 55   463 55   498 60   498 60   235 100



Flush mounting junction boxes with antimortar cardboard and white cover



V70001 92x92x50 mm



V70002 116x92x50 mm



116x92x70 mm



V70004 154x92x70 mm

Flush mounting junction boxes with antimortar cardboard and white cover





V70005 154x128x70 mm

V70006 195x154x70 mm



Flush mounting junction boxes with antimortar cardboard and white cover



V70008 391x154x70 mm



V70009 479x154x70 mm

Flush mounting junction boxes with antimortar cardboard and white cover



V70010 515x201x80 mm



515x292x80 mm + 5 dividing screens



Flush mounting junction boxes with antimortar cardboard and white cover





515x248x120 mm

+ 4 dividing screens

V70207 248x248x120 mm + 1 dividing screen

Accessories





V70191 Joint plate, yellow

V70181 Dividing screen, yellow



Screw 30 mm length



#### Accessories



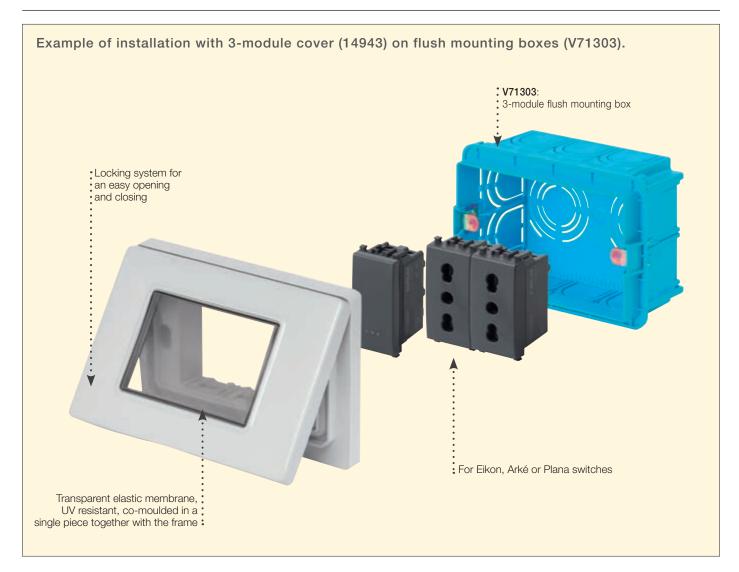
**V70101:** Highly impact resistant cover 20 J, for V70001 **V70102:** As above, for V70002 and V70003 V70104: As above, for V70004 **V70105:** As above, for V70005 **V70106:** As above, for V70006

V70107: Highly impact resistant cover 20 J, for V70007 V70108: As above, for V70008 V70109: As above, for V70009 V70110: As above, for V70010 **V70307:** As above, for V70207 **V70311:** As above, for V70211

### ISOSET



### Surface mounting boxes - Covers for Eikon, Arké and Plana



### ISOSET



### Surface mounting boxes - Covers for Eikon, Arké and Plana

2-module covers for ø 60 mm mounting boxes



14931 With claws, RAL 7035 grey



14931.01 As alongside, white



14931.14 As alongside, granite grey

2-module covers for 60 mm distance between centres mounting boxes



14932

With screws,

RAL 7035 grey

**14932.01** As alongside, white



**14932.14** As alongside, granite grey



3-module covers

**14943** With screws, RAL 7035 grey

4-module covers



**14943.01** As alongside, white



**14943.14** As alongside, granite grey



**14944** With screws, RAL 7035 grey



**14944.01** As alongside, white



**14944.14** As alongside, granite grey

### **ISOSET** IP40 surface mounting boxes



#### IP40 surface mounting boxes

The surface Isoset enlcosures extend the utilization possibilities of Eikon, Plana and Arké, in locations where the IP40 protection degree is required (i.e. store rooms, basements, boiler-rooms mechanical workshops, etc.).

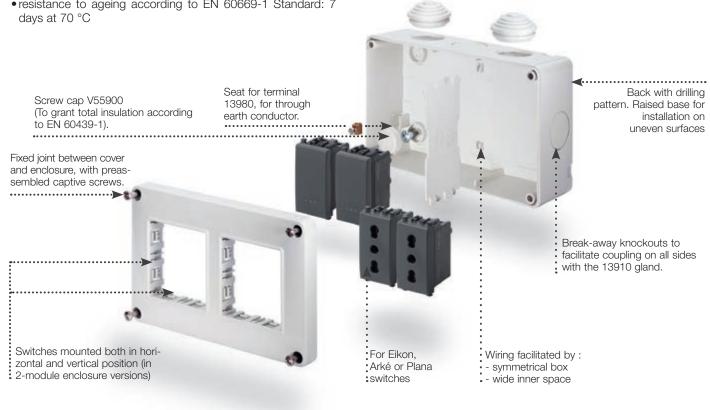
#### **Technical specifications**

- IP40 protection degree, according to EN 60529 Standard is granted with equipments fitted into the enclosure and in installations according to good engineering practice, with the use of appropriate cable entries, glands and coupling;
- for equipments with open front (i.e. socket outlets) the protection degree referred to the equipments front is lower than IP40, but it is never lower than IP20;
- resistance to abnormal heat and to fire (Glow Wire test): 650 °C
- resistance to ageing according to EN 60669-1 Standard: 7

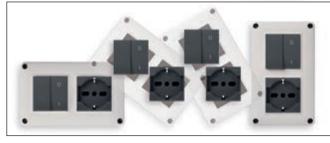
- resistance to heat ball-pressure test, according to EN 60669-1 Standard: 70 °C
- RAL 7035 grey
- not suitable for Eikon switches: 20125, 20135, 20136, 20137, 20138, 20139, 20175, 20395, 20446, 20290; Arké 19135, 19136, 19137, 19138, 19139, 19150, 19153, 19175, 19395, 19446, 19290 and Plana: 14135, 14136, 14137, 14138, 14139, 14150, 14153, 14175, 14395, 14446, 14290.

#### Conformity to Standards LV Directive

EN 60670-1 Standard

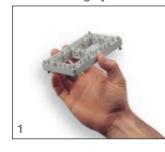


#### Example of horizontal and vertical mounting





Pre-attaching system for an easy fixing









### **ISOSET** IP55 surface mounting boxes



The surface Isoset enclosures extend the utilization possibilities of Eikon, Arké and Plana, in locations where the IP55 protection degree is required (i.e. industrial and agricultural environments, building sites, touristic harbours, sport installations, gardens, camping sites, etc.).

They furthermore permit to realize electrical installations in locations where explosions or fires are liable to occur, according to EN 60079 Standard.

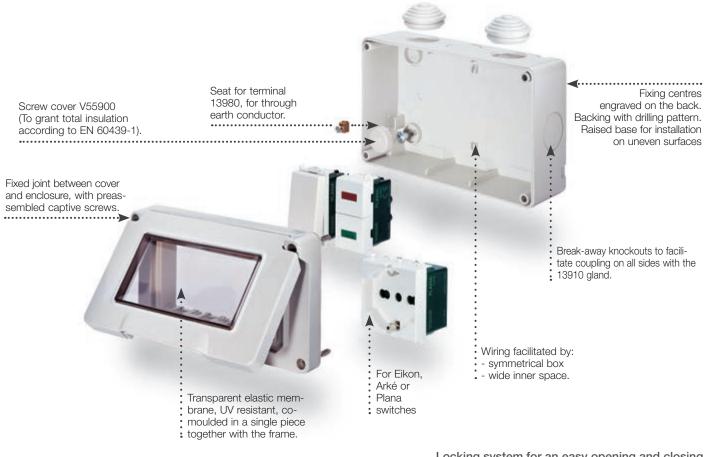
#### **Technical specifications**

- IP55 protection degree, according to EN 60529 Standard, is granted with equipments fitted into the enclosure and in installations according to good engineering practice, with the use of appropriate cable entries, glands and coupling accessories
- resistance to abnormal heat and to fire (Glow Wire test): 650 °C

• resistance to ageing, according to EN 60669-1 Standard: 7 days at 70 °C

- resistance to heat: ball-pressure test, according to EN 60669-1 Standard: 70 °C
- colour: RAL 7035 grey
- not suitable for Eikon switches: 20125, 20135, 20136, 20137, 20138, 20139, 20175, 20395, 20446, 20290; Arké 19135, 19136, 19137, 19138, 19139, 19150, 19153, 19175, 19395, 19446, 19290 and Plana: 14135, 14136, 14137, 14138, 14139, 14150, 14153, 14175, 14395, 14446, 14290.

Conformity to Standards LV Directive EN 60670-1 Standard



#### Locking system for an easy opening and closing



# **ISOSET**



### IP40 surface mounting boxes for Eikon, Arké and Plana

#### IP40 surface mounting boxes







14803

3-module



14804

4-module



14812 4 (2+2)-module, vertical and horizontal device fixing



14813 6 (2+2+2)-module, vertical and horizontal device fixing



14801

14802 2-module, vertical and horizontal device fixing

IP40 surface mounting boxes



14814 8 (2+2+2+2)-module, vertical and horizontal device fixing

#### IP40 surface mounting boxes



14815 10 (2+2+2+2+2)-module, vertical and horizontal device fixing



14817 14 (2+2+2+2+2)-module, vertical and horizontal device fixing



14827 6 (3+3, in horizontal)-module



14837 8 (4+4, in horizontal)-module



14838 12 (4+4+4, in horizontal)-module

IP40 surface mounting boxes



14839 16 (4+4+4+4, in horizontal)-module



14832 8 (4+4, in vertical)-module



14833 12 (4+4+4, in vertical)-module

# ISOSET IP55 surface mounting boxes for Eikon, Arké and Plana



IP55 surface mounting boxes



**14901** 1-module



**14902** 2-module

IP55 surface mounting boxes



**14903** 3-module



**14904** 4-module





14912 8 (4+4, in vertical)-module



**14913** 12 (4+4+4, in vertical)-module

### **ISOSET** IP40 surface mounting boxes



#### IP40 surface mounting boxes

The IP40 surface enclosures extend the utilization possibilities of Idea and 8000 devices in locations where the IP40 protection degree is required (i.e. store rooms, basements, boiler-rooms, mechanical workshops, etc.).

#### **Technical specifications**

- IP40 protection degree according to EN 60529 Standard is granted if the installation has been done according to good engineering practice, with the use of appropriate cable/conduit entries, glands and coupling accessories and with closed cover.
- for equipments with open front (i.e. socket outlets) the protection degree referred to the equipments front is lower than IP40, but it is never lower than IP20
- resistance to heat and to fire (Glow Wire test): 650 °C
- $\bullet$  resistance to ageing according to EN 60670-1 Standard: 7 days at 70  $^\circ\mathrm{C}$
- resistance to heat: ball-pressure test, according to EN 60670-1 Standard: 70 °C

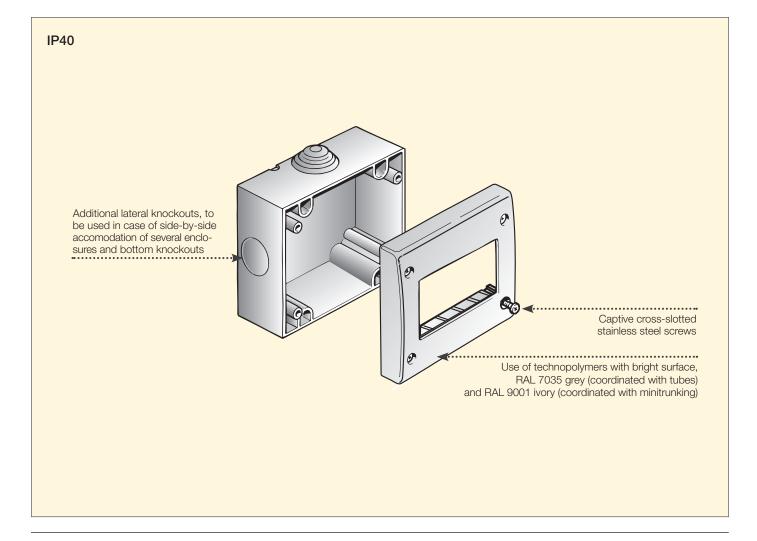
#### Acceptable switches

- Idea switches (up to 4 side-by-side modules)
- 8000 special module switches (up to 4 side-by-side modules)
- 8000 standard module switches with adaptor 08491 (up to 4 side-by-side modules)

Multiple side-by-side installation

Thanks to their design and construction, the enclosures are suitable for multiple side-by-side installations.

Conformity to Standards LV Directive EN 60670-1 Standard



### **ISOSET** IP55 surface mounting boxes



#### IP55 surface mounting boxes

The IP55 surface enclosures extend the utilization possibilities of Idea and 8000 devices in locations where the IP55 protection degree is required (industrial and agricultural environments, buildings sites, tourists harbours, sport installations, gardens, camping sites, ecc.).

They furthermore permit to realize electrical installations in locations where explosions or fires are liable to occur, in compliance with EN 60079 Standard.

#### **Technical specifications**

- IP55 protection degree according to EN 60529 Standard is granted if installation has been done according to good engineering practice, with the use of appropriate cable/conduit entries, glands and coupling accessories and with closed cover
- resistance to abnormal heat and to fire (Glow Wire test): 650 °C
- $\bullet$  resistance to ageing according to EN 60670-1 Standard: 7 days at 70  $^\circ\mathrm{C}$
- resistance to heat: ball-pressure test according to EN 60670-1 Standard: 70 °C

#### Acceptable switches

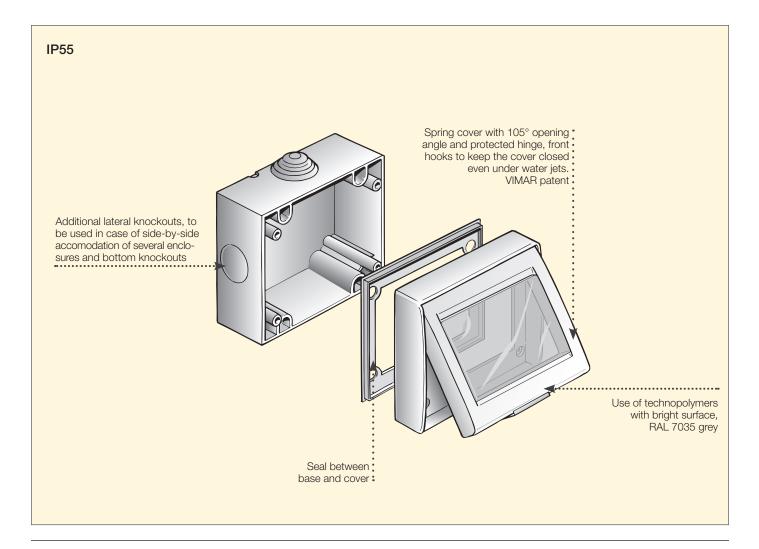
- Idea switches (up to 4 side-by-side modules)
- 8000 special module switches (up to 4 side-by-side modules)
- 8000 standard module switches with adaptor 08491 (up to 4 side-by-side modules)

#### Multiple side-by-side installation

Thanks to their design and construction, the enclosures are suitable for multiple side-by-side installations.

#### Conformity to Standards

LV Directive EN 60670-1 Standard



### **ISOSET** IP40 surface mounting boxes for Idea and 8000



#### 2-module surface mounting boxes





As alongside, RAL 9001 ivory

13023 2-module Idea or 2-special-module 8000, RAL 7035 grey. With 2 adaptors 08491 for 8000 standard module mounting

3-module surface mounting boxes





∆ 13033.A

As alongside,

13033 3-module Idea or 3-special-module 8000, RAL 7035 grey. With 3 adaptors 08491 for 8000 standard module mounting

. 7035 grey. RAL 9001 ivory standard module mounting

4-module surface mounting boxes



**13045** 4-module Idea or 4-special-module 8000, RAL 7035 grey. With 4 adaptors 08491 for 8000 standard module mounting



∆ 13045.A As alongside, RAL 9001 ivory

# **ISOSET** IP55 surface mounting boxes for Idea and 8000



2-module surface mounting boxes



**13523** 2-module Idea or 2-special-module 8000, grey. With 2 adaptors 08491 for 8000 standard module mounting

3-module surface mounting boxes



**13533** 3-module Idea or 3-special-module 8000, grey. With 3 adaptors 08491 for 8000 standard module mounting

#### 4-module surface mounting boxes

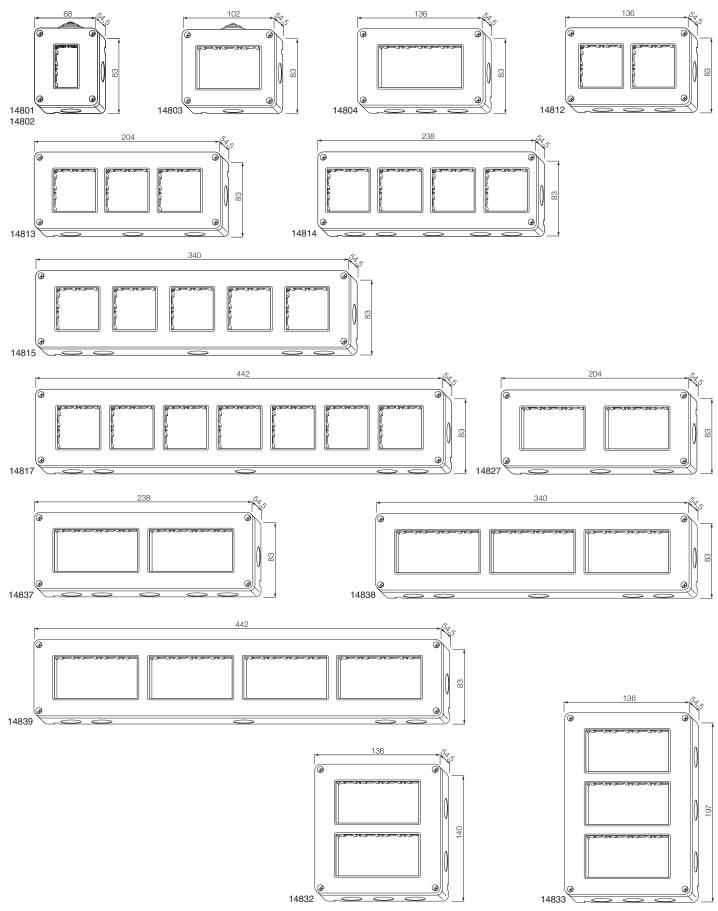


**13545** 4-module Idea or 4-special-module 8000, grey. With 4 adaptors 08491 for 8000 standard module mounting

### **ISOSET** IP40 surface mounting boxes

**VIMAR** 

#### Dimensions in mm



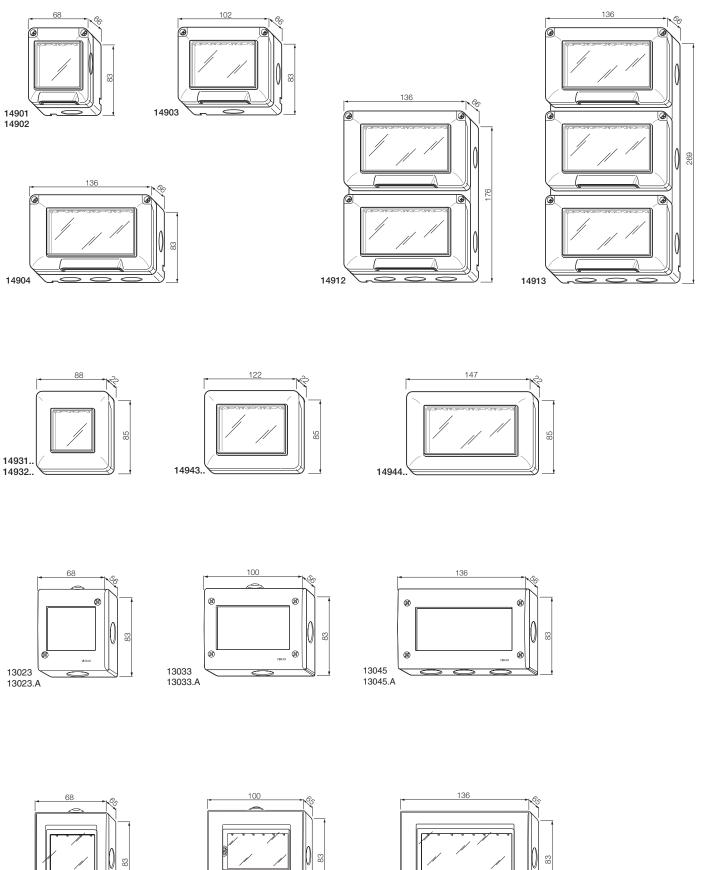
# **ISOSET** IP55 surface mounting boxes

13533

13523



### Dimensions in mm



13545



IP40 flush mounting consumer units

IP40 flush mounting consumer units are designed right down to the finest detail, offering minimal visual impact on the wall and coordinated with the Eikon, Arké and Plana series. For the whole range, the door comes in both the all-white version, and the translucent smoky grey version.

The flat internal panels offer perfect visual uniformity. Installed vertically, the range is ideal for tight spaces, meeting a variety of residential and tertiary needs.

Boxes and consumer units are sold separately, so they can be installed in different phases.

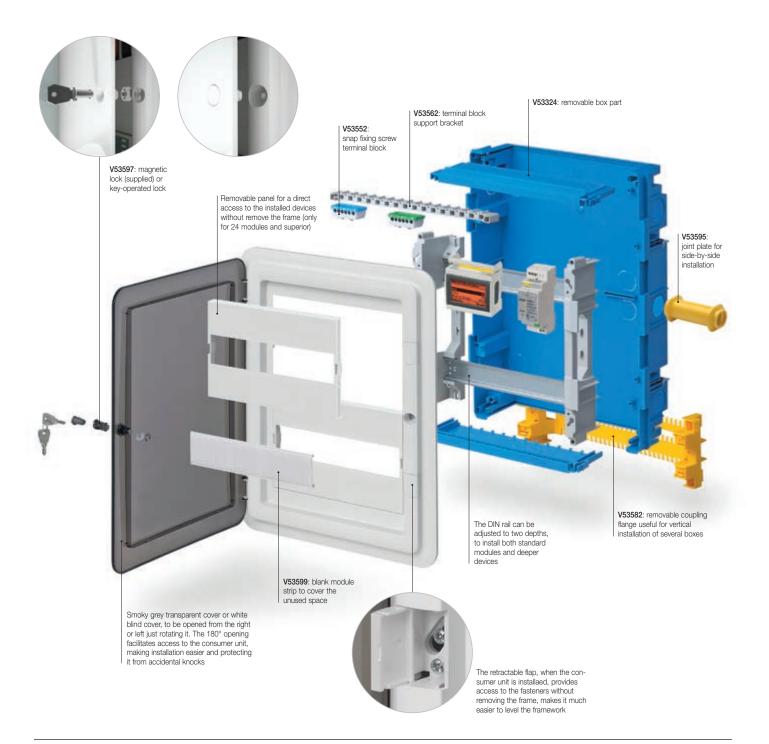
In addition to the modular structures with 8, 12, 24 and 36

modules, now 54 and 72 modules are available for large systems and home automation systems.

The double line of flush mounting boxes can be installed in both masonry and plasterboard walls.

The many accessories facilitate the flush mounting, wiring and installation of individual components and entire banks either vertically or horizontally.

Conformity to Standards LV Directive EN 60670-24 Standard



VIMAR

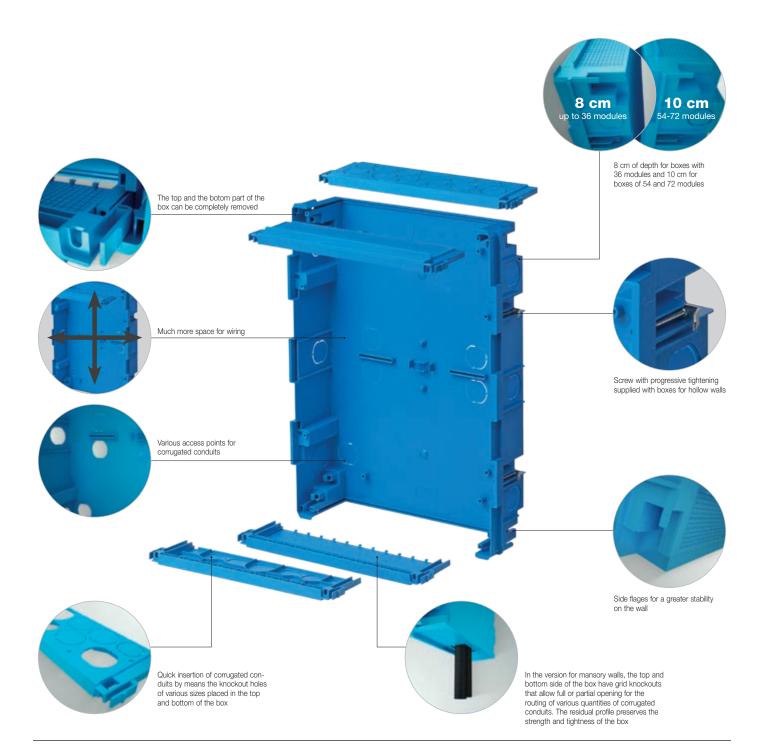
Boxes for IP40 flush mounting consumer units A double range used for both masonry and plasterboard walls. In addition to great structural strength, the flush mounting box for consumer units also offers a series of high-performance features that help the installer while construction work is being carried out:

- more space for wiring, especially at the top and bottom;
- top and bottom walls can be removed completely for partial or total knockout, which allows the corrugated conduits to be fed through;
- different depths: 8 cm for up to 36 modules and 10 cm for 54 and 72 modules;
- many large knockout holes on the walls and the bottom of the box, for feeding corrugated conduits;

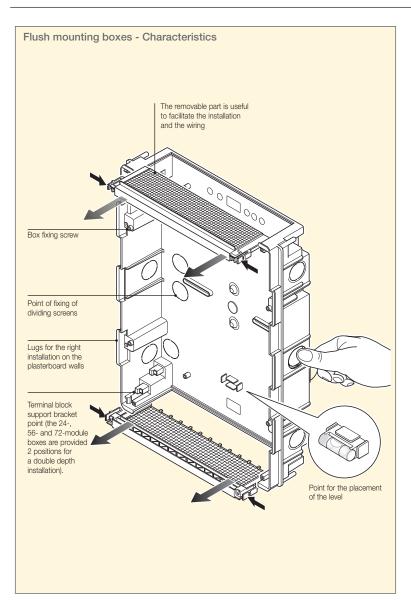
- side flanges, offering greater wall stability;
- the boxes for light plasterboard walls have progressive tightening screws, for improved anchoring in the wall. They also have additional lugs which, when hooked to the plasterboard wall, ensure perfect stability in front installations;
- anti-mortar cover and wall drilling template supplied.

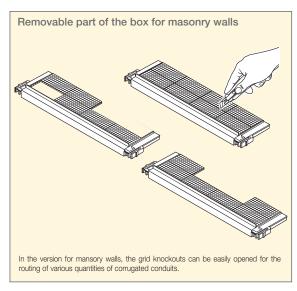
#### Conformity to Standards LV Directive

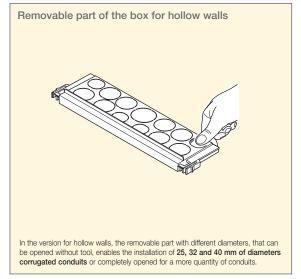
EN 60670-24 Standard

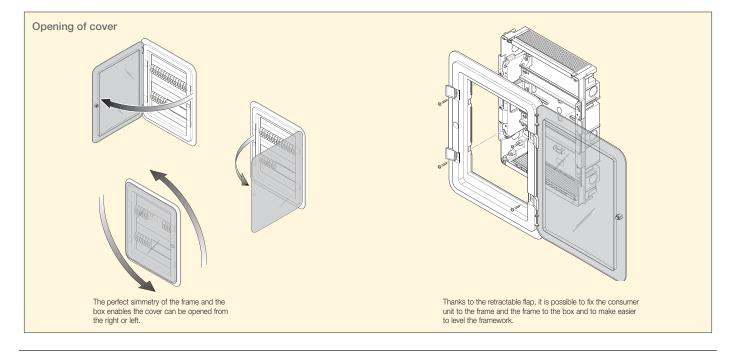








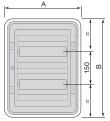




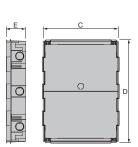


#### Dimensions (in mm)





V53124 - 24 modules

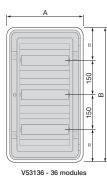


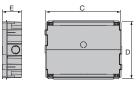
V53308, V53708 - 8 modules

V53324, V53724 - 24 modules

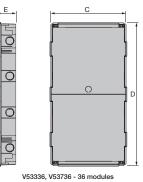


V53112 - 12 modules



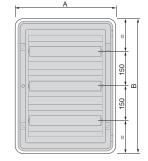


V53312, V53712 - 12 modules



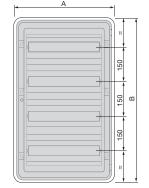


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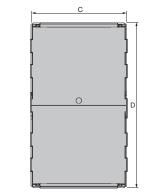


V53154 - 54 modules

V53354, V53754 - 54 modules



V53172 - 72 modules



V53372, V53772 - 72 modules

Table of co	Table of consumer units and boxes dimensions (mm)											
Consumer units			Boxes					Dissipable power	Accessories			
N° modules	Code	А	В	Code for masonry walls	Code for hollow walls	С	D	E	w			
8	V53108	257	260	V53308	V53708	228	238	80	18 W	V53561 Terminal block for 8 modules		
12	V53112	345	260	V53312	V53712	316	238	80	22 W	V53562 Terminal block for 12, 24 and 36 modules	V53597 Lock with key V53599 Blank strip V53595 Joint plate V53552 Terminal block with screw	
24	V53124	345	445	V53324	V53724	316	423	80	40 W	V53572 Dividing screen for 24 and 36 modules		
36	V53136	345	610	V53336	V53736	316	588	80	50 W	<b>V53582</b> Pipe clamp flange for 12, 24 and 36 modules		
54	V53154	455	610	V53354	V53754	426	588	100	63 W	V53563 Terminal block for 54 and 72 modules V53573		
72	V53172	455	745	V53372	V53772	426	723	100	82 W	Dividing screen for 54 and 72 modules <b>V53583</b> Pipe clamp flange for 54 and 72 modules		



8-module IP40 consumer units and boxes



V53108 With transparent door, fumé



With blind door, white



V53308 For masonry GW 650 °C, light blue



V53708 For hollow walls GW 850 °C, light blue

12-module IP40 consumer units and boxes



V53112 With transparent door, fumé



V53112.B With blind door, white



V53312 For masonry GW 650 °C, light blue



V53712 For hollow walls GW 850 °C, light blue

24-module IP40 consumer units and boxes



V53124 With transparent door, fumé



V53124.B With blind door, white



V53324 For masonry GW 650 °C, light blue



V53724 For hollow walls GW 850 °C, light blue



#### 36-module IP40 consumer units and boxes



V53136 With transparent door, fumé



With blind door, white



V53336 For masonry GW 650 °C, light blue



V53736 For hollow walls GW 850 °C, light blue

#### 54-module IP40 consumer units and boxes



V53154 With transparent door, fumé



V53154.B With blind door, white



V53354 For masonry GW 650 °C, light blue



V53754 For hollow walls GW 850 °C, light blue

#### 72-module IP40 consumer units and boxes



V53172 With transparent door, fumé



V53172.B With blind door, white



V53372 For masonry GW 650 °C, light blue



V53772 For hollow walls GW 850 °C, light blue



Accessories for IP40 consumer units



V53572 12 modules dividing screen for 24 and 36 modules consumer units



V53582 12 modules pipe clamp flange for 12, 24 and 36 modules consumer units

Accessories for IP40 consumer units



18 modules dividing screen for 54 and 72 modules consumer units



V53583 18 modules pipe clamp flange for 54 and 72 modules consumer units

Accessories for IP40 consumer units



V53595 Joint plate



V53597 Metal lock, supplied with two keys



V53599 Blank strip, 500 mm



Accessories for IP40 consumer units



V53561 Terminal block holder 8 modules consumer unit



V53562 Terminal block holder 12, 24 and 36 modules consumer unit

Accessories for IP40 consumer units

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V53563 Terminal block holder 54 and 72 modules consumer unit

Accessories for IP40 consumer units



V53552 Terminal block 6 holes, blue



Terminal block 6 holes, green





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