Small enclosures

As a specialist for housing and commercial premises enclosures, we provide a large range of products. Plastic or steel enclosures, flush or surface mounting, there is always a solution to fit to your need.

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Small enclosures

Degree of protection	Installation type: Residential, commercial, professional and industrial premises		

IP30

Premises with risk of medium external influences

	mini gamma IP30 without door, plastic, surface mounting, 2 to 10 ▌ page 1.7		gamma 13, gamma 18 IP30 without door, plastic, surface mounting, 13 to 72 ▌ page 1.8 and 1.9

IP40 / IP41

Premises with risk of medium external influences

	consumer unit IP40 with door, metallic, surface mounting, 6 to 18 ▌ page 1.4		mini gamma IP40 with door, plastic, surface mounting, 2 to 10 ▌ page 1.7
	invicta VT consumer unit IP40 with door, metallic, flush and surface mounting, 4 to 20 ▌ page 1.5		gamma 13, gamma 18 IP40 with door, plastic, surface mounting, 13 to 72 ▌ page 1.8 and 1.9
	invicta DR IP40 with door, metallic, flush and surface mounting, 16 to 96 ▌ page 1.6		invicta TP&N 125 and 250 IP41 with door, wall mounting metallic enclosure, flush and surface mounting, 4 to 24 ways, 13 to 72 ▌ page 2.2 to 2.5
	Enclosed fuse combination switch IP41 with door, wall mounting metallic enclosure, surface mounting, 20 to 800 A page 2.10 to 2.11		Enclosed load break switch IP40 with door, wall mounting metallic enclosure, surface mounting, 20 to 1600 A page 2.12 and 2.13

IP43 / IP44

Premises with risk of medium external influences

	FW IP44 with door, metallic, surface mounting, 36 to 288 ▌ page 1.44 to 1.51		quadro 4 IP43 enclosures with door, to be assembled, floor standing or wall mounting, height 450 to 1800 mm, width 370 and 620 mm, up to 630A page 2.14 to 2.21

IP54 / IP55

Premises with risk of high external influences

	vega D IP54 with door, plastic, flush and surface mounting, 48 to 168 ▌ page 1.35 to 1.37		vector IP55 with door, plastic, surface mounting, 2 to 54 ▌ page 1.22 and 1.23
	vector security IP55 with glas door, metallic, surface mounting, 6 to 10 ▌ page 1.52		orion.tech IP55 enclosures with door page 2.102 and 2.103

IP65

Premises with risk of high external influences

	vector IP65 with door, plastic, surface mounting, 3 to 54 ▌ page 1.24 and 1.25		orion plus IP65/66 enclosures with door - orion polyester, - orion steel, - orion inox (stainless steel), page 2.71 to 2.101

gala
IP30 with door, plastic,
surface mounting, 12 to 48 ▌
page 1.16

volta
IP30 with door, plastic, flush
mounting, 12 to 60 ▌
page 1.20 and 1.21

FW
IP30 with door, metallic, flush
mounting, 36 to 288 ▌
page 1.38 to 1.43

cosmos
IP40 with door, plastic, flush
and surface mounting, 6 to
24 ▌
page 1.10 to 1.12

vega
IP40 with door, plastic,
surface mounting, 18 to 72 ▌
page 1.17 to 1.19

golf
IP40 with door, plastic, flush
and surface mounting, 8 to
24 ▌
page 1.13 to 1.15

vega D
IP40/41 with door, plastic,
flush and surface mounting,
48 to 168 ▌
page 1.26 to 1.33

**invicta 250, 400, 630/800
panel board**
IP41 with door, wall mounting
metallic enclosure, surface
mounting, 2 to 16 ways
page 2.6 to 2.9

quadro5
IP55 with door, floor standing
or wall mounting metallic and
monobloc enclosures, height
510 to 2010 mm width 450 to
900 mm, up to 630A
page 2.22 to 2.27

quadro+
IP55 floor standing metallic
enclosures, to be assembled,
height 1900 and 2100 mm
width 450 to 1000 mm, up to
4000A
page 2.28 to 2.46

**quadro automation, FK
range**
- metallic automation
enclosure
- metallic automation desk,
page 2.104 to 2.109

▌ = 17.5 mm width module

Characteristics
Easy to install, compact size and with a large wiring space, the consumer unit range is presented in flush and surface versions mounting enclosures and dedicated to indoor use. The range includes boxes with capacities of 1 row from 6 to 18 ▌.

Delivered with
Neutral and earth terminal, plain door and 100A tinned copper busbar.

Technical data
- IP40
- class I
- nominal current (In): 100A
- rated voltage (Ue): 240V AC - 50 Hz
- insulation voltage (Ui): 690V
- rated impulse withstand voltage (Uimp): 6kV
- conditional short circuit current: 25kA
- DIN rail mounting
- colour: grey white RAL 9002
- 1,2mm thick sheet steel epoxy powder coated enclosure
- metallic enclosure
- 70mm depth

Complies with
BS EN 61 439-1 and BS EN 61 439-3

Consumer unit flush mounting

Description	Nr. of outgoing ways	Wall niche H x W x D (mm)	Cat.ref.
1 row, 6 ▌	4	226 x 208 x 70	**VT04FM - NT**
1 row, 8 ▌	6	226 x 244 x 70	**VT06FM - NT**
1 row, 10 ▌	8	226 x 280 x 70	**VT08FM - NT**
1 row, 12 ▌	10	226 x 316 x 70	**VT10FM - NT**
1 row, 14 ▌	12	226 x 352 x 70	**VT12FM - NT**
1 row, 18 ▌	16	226 x 424 x 70	**VT16FM - NT**

VT04SM

Consumer unit surface mounting

Description	Nr. of outgoing ways	Wall niche H x W x D (mm)	Cat.ref.
1 row, 6 ▌	4	231 x 214 x 92	**VT04SM - NT**
1 row, 8 ▌	6	231 x 250 x 92	**VT06SM - NT**
1 row, 10 ▌	8	231 x 286 x 92	**VT08SM - NT**
1 row, 12 ▌	10	231 x 322 x 92	**VT10SM - NT**
1 row, 14 ▌	12	231 x 358 x 92	**VT12SM - NT**
1 row, 18 ▌	16	231 x 430 x 92	**VT16SM - NT**

Characteristics
Easy to install, compact size and with a large wiring space the consumer unit range is presented in flush and surface mounting versions enclosures and dedicated to indoor use. The range includes boxes with capacities of 1 row from 4 to 20 ▌ and completed with 3 types of flap with an integrated maintaining position system.

Delivered with
Neutral and earth terminal, plain, transparent or metal flap and removable DIN rail assembly.

Technical data
- IP40
- class I
- nominal current (In): 63A
- rated voltage (Ue): 400 V AC - 50Hz
- DIN rail mounting
- colour: RAL 9002
- 1,2mm thick sheet steel epoxy powder coated enclosure
- metallic enclosure
- 80mm depth

Glow wire test
BS EN 60 695-2 and BS EN 60 695-11: 850°C

Complies with
BS EN 61 439-3

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invicta VT flush mounting

Description	Wall niche H x W x D (mm)	Cat.ref.
1 row, 4 ▌ with metal flap (non transparent)	220 x 206 x 80	VT04MF
1 row, 4 ▌ with opaque plastic flap	220 x 206 x 80	VT04PNF
1 row, 4 ▌ with transparent plastic flap	220 x 206 x 80	VT04TF
1 row, 8 ▌ with metal flap (non transparent)	220 x 277 x 80	VT08MF
1 row, 8 ▌ with opaque plastic flap	220 x 277 x 80	VT08PNF
1 row, 8 ▌ with transparent plastic flap	220 x 277 x 80	VT08TF
1 row, 12 ▌ with metal flap (non transparent)	220 x 348 x 80	VT12MF
1 row, 12 ▌ with opaque plastic flap	220 x 348 x 80	VT12PNF
1 row, 12 ▌ with transparent plastic flap	220 x 348 x 80	VT12TF
1 row, 16 ▌ with metal flap (non transparent)	220 x 420 x 80	VT16MF
1 row, 16 ▌ with opaque plastic flap	220 x 420 x 80	VT16PNF
1 row, 16 ▌ with transparent plastic flap	220 x 420 x 80	VT16TF
1 row, 20 ▌ with metal flap (non transparent)	220 x 491 x 80	VT20MF
1 row, 20 ▌ with opaque plastic flap	220 x 491 x 80	VT20PNF
1 row, 20 ▌ with transparent plastic flap	220 x 491 x 80	VT20TF

VT12MF

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invicta VT surface mounting

Description	Wall niche H x W x D (mm)	Cat.ref.
1 row, 4 ▌ with metal flap (non transparent)	253 x 245 x 93	VT04MS
1 row, 4 ▌ with opaque plastic flap	253 x 245 x 93	VT04PNS
1 row, 4 ▌ with transparent plastic flap	253 x 245 x 93	VT04TS
1 row, 8 ▌ with metal flap (non transparent)	253 x 316 x 93	VT08MS
1 row, 8 ▌ with opaque plastic flap	253 x 316 x 93	VT08PNS
1 row, 8 ▌ with transparent plastic flap	253 x 316 x 93	VT08TS
1 row, 12 ▌ with metal flap (non transparent)	253 x 387 x 93	VT12MS
1 row, 12 ▌ with opaque plastic flap	253 x 387 x 93	VT12PNS
1 row, 12 ▌ with transparent plastic flap	253 x 387 x 93	VT12TS
1 row, 16 ▌ with metal flap (non transparent)	253 x 458 x 93	VT16MS
1 row, 16 ▌ with opaque plastic flap	253 x 458 x 93	VT16PNS
1 row, 16 ▌ with transparent plastic flap	253 x 458 x 93	VT16TS
1 row, 20 ▌ with metal flap (non transparent)	253 x 529 x 93	VT20MS
1 row, 20 ▌ with opaque plastic flap	253 x 529 x 93	VT20PNS
1 row, 20 ▌ with transparent plastic flap	253 x 529 x 93	VT20TS

VT12TF

▌ = 17.5 mm width module

Characteristics

Easy to install, compact size and with a large wiring space the consumer unit range is presented in flush and surface mounting versions enclosures and dedicated to an indoor use. The range includes boxes with capacities of 1 row up to 6 rows and from 16 to 96 ▮ and completed with 3 types of flap with an integrated maintaining position system.

Delivered with

Plain metallic door or transparent cut on metallic door and removable DIN rail chassis.

Technical data

- IP40
- class I
- nominal current (In): 63A
- rated voltage (Ue): 400V AC - 50Hz
- DIN rail mounting
- colour: RAL 9001
- 1,2mm thick sheet steel epoxy powder coated enclosure
- metallic enclosure
- 110mm depth

Complies with

IEC 61 439-1 and IEC 61 439-3

DR32F

invicta DR flush mounting

with full metallic door transparent cut out door

Description	Wall niche H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 16 ▮	320 x 400 x 110	DR16F	DR16FT
2 rows, 32 ▮	470 x 400 x 110	DR32F	DR32FT
3 rows, 48 ▮	620 x 400 x 110	DR48F	DR48FT
4 rows, 64 ▮	770 x 400 x 110	DR64F	DR64FT
5 rows, 80 ▮	820 x 400 x 110	DR80F	DR80FT
6 rows, 96 ▮	1070 x 400 x 110	DR96F	DR96FT

DR32ST

invicta DR surface mounting

with full metallic door transparent cut out door

Description	Wall niche H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 16 ▮	325 x 405 x 110	DR16S	DR16ST
2 rows, 32 ▮	475 x 405 x 110	DR32S	DR32ST
3 rows, 48 ▮	625 x 405 x 110	DR48S	DR48ST
4 rows, 64 ▮	775 x 405 x 110	DR64S	DR64ST
5 rows, 80 ▮	825 x 405 x 110	DR80S	DR80ST
6 rows, 96 ▮	1075 x 405 x 110	DR96S	DR96ST

Accessories

Description	Cat.ref.
joining kits for flush boards	JK01FK
joining kits for surface boards	JK01SK
1 ▮ blanking strip	P032H
keylock	VZ303

Characteristics
The mini gamma surface mounting boxes range is dedicated to small applications or extensions. The range includes boxes with capacities of 1 row and from 2 to 10 ▍ and completed with transparent or plain doors.

Delivered with
Earth terminal (except GD102E) and marking labels.

Note: enclosures of this range are delivered without door.

Technical data
- IP30 and IK05 without door
- IP40 and IK05 with door
- class II 回
- nominal current (In): 63A
- rated voltage (Ue): 400V AC - 50Hz
- DIN rail included
- colour : RAL 9010
- made in insulating plastic material
- 82mm depth

Glow wire test
IEC 60 695-2 and IEC 60 695-11: 850°C

Complies with
IEC 61439-3

mini gamma enclosures

Description	Wall niche H x W x D (mm)	Cat.ref.
1 row, 2 ▍	160 x 55 x 82	**GD102E**
1 row, 4 ▍	180 x 110 x 82	**GD104E**
1 row, 6 ▍	180 x 146 x 82	**GD106E**
1 row, 8 ▍	180 x 182 x 82	**GD108E**
1 row, 10 ▍	180 x 218 x 82	**GD110E**

GD106E

Doors

with integrated handle

Description	Cat.ref. plain doors	transparent doors
for GD102A	**GP102P**	**GP102T**
for GD104A	**GP104P**	**GP104T**
for GD106A	**GP106P**	**GP106T**
for GD108A	**GP108P**	**GP108T**
for GD110A	**GP110P**	**GP110T**

GP106P

GP110T

Terminal and terminal supports

Description	Cat.ref.
4 neutral terminals, IP2X, from 1.5 to 16 mm^2	**GZ04N**
4 earth terminals, IP2X, from 1.5 to 16 mm^2	**GZ04E**
7 neutral terminals, IP2X, from 1.5 to 16 mm^2	**GZ07N**
7 earth terminals, IP2X, from 1.5 to 16 mm^2	**GZ07E**
for GD104A	**GZ104S**
for GD106A	**GZ106S**
for GD108A	**GZ108S**
for GD110A	**GZ110S**

GZ04E

GZ108S

Accessories

Description	Cat.ref.
keylock for plain or transparent doors	**VZ313**
blanking 12 ▍	**S35S**
blanking 24 ▍	**JP002**
cable gland M20	**GZ100G**

VZ313

▍ = 17.5 mm width module

Characteristics
The gamma surface mounting enclosure range is mainly dedicated to residential applications. The range includes boxes with capacities of 1 row up to 4 rows and from 13 to 52 ▮ and completed with transparent or plain doors.

Delivered with
neutral and earth terminal, marking labels and blanking clips

Note: enclosures of this range are delivered without door.

Technical data
- IP30 and IK07 without door
- IP40 and IK07 with door
- class II ▣ with back plate
- nominal current (In): 90A Ph+N and 63A 3Ph+N

- rated voltage (Ue): 230/400V AC - 50Hz
- short circuit current resistance: 10kA
- DIN rail mounting
- colour: RAL 9010
- made in insulating plastic material
- 103mm depth

Glow wire test
IEC 60 695-2-10 and IEC 60 695-2-11:
- 850°C for box
- 750°C for back plate

Complies with
IEC 61439-3

gamma 13 surface mounting

Description	**quick**connect terminal	Wall niche H x W x D (mm)	Blanking strips	Cat.ref.
1 row, 13 ▮	E: 3 x 25 + 11 x 4 mm²	250 x 250 x 103	6 ▮ divisible	**GD113A**
2 rows, 26 ▮	Ph: 4 x 16 mm² N: 4 x 16 mm² E: 5 x 25 + 17 x 4 mm²	375 x 250 x 103	6 ▮ divisible	**GD213A**
3 rows, 39 ▮	Ph: 7 x 10 mm² N: 7 x 10 mm² E: 7 x 25 + 25 x 4 mm²	500 x 250 x 103	13 ▮ divisible	**GD313A**
4 rows, 52 ▮	Ph: 7 x 10 mm² N: 7 x 10 mm² E: 10 x 25 + 34 x 4 mm²	625 x 250 x 103	13 ▮ divisible	**GD413A**

GD213A

Doors

Description	Depth (mm)	Cat.ref. plain door	transparent door
for GD113A	30	**GP113P**	**GP113T**
for GD213A	30	**GP213P**	**GP213T**
for GD313A	30	**GP313P**	**GP313T**
for GD413A	30	**GP413P**	**GP413T**

GP213P-GP213T

Back plates

- to ensure the insulation class II

Description	Cat.ref.
for GD113A	**GS113D**
for GD213A	**GS213D**
for GD313A	**GS313D**
for GD413A	**GS413D**

GS113D

Accessories

Description	Cat.ref.
keylock for plain and transparent doors	**GZ35A**
sealing kit for 2 points of sealing	**GZ32A**
blanking clips 1/2 ▮	**P031F**
blanking clips 1 ▮	**P032F**
blanking strips 6 ▮, RAL 9010	**JP001**
blanking strips 13 ▮, RAL 9010	**JP014**
quickconnect terminal support	**GZ30A**

P032F P031F

▮ = 17.5 mm width module

Characteristics

The gamma surface mounting enclosure range is mainly dedicated to residential applications. The range includes boxes with capacities of 1 row up to 4 rows and from 18 to 72 ▌ and completed with transparent or plain doors.

Delivered with

Neutral and earth terminal, marking labels and blanking clips.

Note: the enclosures of this range are delivered without door.

Technical data

- IP30 and IK07 without door
- IP40 and IK07 with door
- class II ▣ with back plate
- nominal current (In): 90A Ph+N and 63A 3Ph+N

- rated voltage (Ue): 240/415V AC - 50Hz
- short circuit current resistance: 10kA
- DIN rail mounting
- colour: RAL 9010
- made in insulating plastic material
- 103mm depth

Glow wire test

IEC 60 695-2-10 and IEC 60 695-2-11:
- 850° C for box
- 750°C for back plate

Complies with

IEC 61439-3

gamma 18 surface mounting

Description	**quick**connect terminal	Wall niche H x W x D (mm)	Blanking strips	Cat.ref.
1 row, 18 ▌	E: 4 x 25 + 14 x 4 mm²	250 x 355 x 103	6 ▌ divisible	**GD118A**
2 rows, 36 ▌	Ph: 4 x 16 mm² N: 4 x 16 mm² E: 6 x 25 + 20 x 4 mm²	375 x 355 x 103	12 ▌ divisible	**GD218A**
3 rows, 54 ▌	Ph: 7 x 16 mm² N: 7 x 16 mm² E: 8 x 25 + 28 x 4 mm²	500 x 355 x 103	18 ▌ divisible	**GD318A**
4 rows, 72 ▌	Ph: 7 x 16 mm² N: 7 x 16 mm² E: 10 x 25 + 34 x 4 mm²	625 x 355 x 103	24 ▌ divisible	**GD418A**

GD118A

Doors

Description	Depth (mm)	Cat.ref. plain door	transparent door
for GD118A	30	**GP118P**	**GP118T**
for GD218A	30	**GP218P**	**GP218T**
for GD318A	30	**GP318P**	**GP318T**
for GD418A	30	**GP418P**	**GP418T**

GP118P-GP118T

Back plates

- to ensure the insulation class II

Description	Cat.ref.
for GD118A	**GS118D**
for GD218A	**GS218D**
for GD318A	**GS318D**
for GD418A	**GS418D**
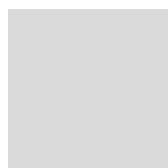
GS218D

Accessories

Description	Cat.ref.
keylock for plain and transparent doors	**GZ35A**
sealing kit for 2 points of sealing	**GZ32A**
blanking clips 1/2 ▌	**P031F**
blanking clips 1 ▌	**P032F**
blanking strips 6 ▌, RAL 9010	**JP001**
blanking strips 18 ▌, RAL 9010	**JP015**
quickconnect terminal support	**GZ40A**

P032F P031F

▌ = 17.5 mm width module

Characteristics

Indoor surface mounted distribution box 1 and 2 rows, from 1 to 4 ▌ without door, and from 6 up to 24 ▌ with opaque or transparent door for devices up to 70 mm installation depth, DIN profile for modular devices 47 mm under the cover. Distance between the DIN profiles axis 125 mm (for the two row size).
Optional lock with keys. Enclosure can be installed either way up. Cable entries for cable, conduit and trunking.

Delivered with
- brass screw-type terminals
- pole fillers
- directly fixed DIN rails to the wall box let to have room enough for wiring behind them.
- door protected by a plastic film

Technical data:
- IP rating: IP30 without door and IP40 with door IK07

- class II
- white colour RAL 9010
- rated current: 63 A
- rated insulation: 400V AC/50 Hz
- material: plastic enclosure
- short circuit resistance: 10kA
- class II 回
- Din rail mounting

Glow wire test
650°C according IEC 60 695-2-1

Complies with
IEC 61439-3

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cosmos surface mounting without door

Description	H x W x D (mm)	Cat.ref. without door
1 row, 1 ▌	163.6 x 27.5 x 71	**VD101NF**
1 row, 2 ▌	163.6 x 45.5 x 71	**VD102NF**
1 row, 3 ▌	163.6 x 63.5 x 71	**VD103NF**
1 row, 4 ▌	163.6 x 81.5 x 71	**VD104NF**

VD101NF

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cosmos surface mounting with door

VD108PF

Description	Brass terminal	H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 6 ▌	N: 2 x 16 mm² + 2 x 10 mm²	163.6 x 134.5 x 71	**VD106PF**	**VD106TF**
1 row, 6 ▌	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	163.6 x 134.5 x 71	**VD106PJ**	**VD106TJ**
1 row, 8 ▌	N: 2 x 16 mm² + 2 x 10 mm²	170 x 170.5 x 91	**VD108PF**	**VD108TF**
1 row, 8 ▌	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	170 x 170.5 x 91	**VD108PJ**	**VD108TJ**
1 row, 10 ▌	N: 2 x 16 mm² + 2 x 10 mm²	170 x 206.5 x 91	**VD110PF**	**VD110TF**
1 row, 10 ▌	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	170 x 206.5 x 91	**VD110PJ**	**VD110TJ**
1 row, 12 ▌	N: 3 x 16 mm² + 4 x 10 mm²	200 x 292.5 x 91	**VD112PF**	**VD112TF**
1 row, 12 ▌	E: 3 x 16 mm² + 4 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	200 x 292.5 x 91	**VD112PJ**	**VD112TJ**
1 row, 18 ▌	N: 3 x 16 mm² + 4 x 10 mm²	200 x 400 x 91	**VD118PF**	**VD118TF**
1 row, 18 ▌	E: 4 x 16 mm² + 5 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	200 x 400 x 91	**VD118PJ**	**VD118TJ**
1 row, 24 ▌	N: 3 x 16 mm² + 4 x 10 mm²	326.5 x 294 x 92.5	**VD212PF**	**VD212TF**
1 row, 24 ▌	E: 4 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	326.5 x 294 x 92.5	**VD212PJ**	**VD212TJ**

▌ = 17.5 mm width module

Characteristics

Flush mounted distribution boxes of 1 and 2 rows, from 8 to 24
❚, supplied with opaque or transparent door for devices up to
70 mm installation depth. DIN profile for modular devices 47 mm
under the cover. Distance between the DIN rails axis 125 mm. (for the
two row size). Distribution boards manufactured from plastic mate-
rial. Opaque and transparent doors. Door is fitted on vertical in 1 row
versions and on right or left (for the two row version) both without
dismounting the cover; optional lock and keys. Wall box and cover
can be installed either way up. Removable cable entry slider. Cable
entries for cable and conduit.

Delivered with

- brass screw-type terminals
- pole fillers
- door protected by a plastic film.
- DIN rails directly fixed to the wall box.

Technical data

- IP rating: IP30 without door and IP40 with door IK07
- isolation Class II
- white colour RAL 9010
- rated current: up to 63 A
- rated insulation: 400V AC/50 Hz
- material: plastic enclosure
- short circuit resistance: 10kA
- class II ▣
- DIN rail mounting

Accessories

DIN rail brackets for plaster compensation (in depth) in case the
box is installed too deep inside the wall (maybe covered by plaster).

Glow wire test

650°C according IEC 60 695-2

Complies with

IEC 61439-3

cosmos flush mounting with door

Description	Brass terminal	Dimensions H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 8 ❚	N: 2 x 16 mm² + 2 x 10 mm²	206 x 236 x 91	**VR108PF**	**VR108TF**
1 row, 8 ❚	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	206 x 236 x 91	**VR108PJ**	**VR108TJ**
1 row, 12 ❚	N: 3 x 16 mm² + 4 x 10 mm²	226 x 308 x 91	**VR112PF**	**VR112TF**
1 row, 12 ❚	E: 3 x 16 mm² + 4 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	226 x 308 x 91	**VR112PJ**	**VR112TJ**
1 row, 18 ❚	N: 3 x 16 mm² + 4 x 10 mm²	226 x 416 x 91	**VR118PF**	**VR118TF**
1 row, 18 ❚	E: 4 x 16 mm² + 5 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	226 x 416 x 91	**VR118PJ**	**VR118TJ**
1 row, 24 ❚	N: 3 x 16 mm² + 4 x 10 mm²	351 x 308 x 93	**VR212PF**	**VR212TF**
1 row, 24 ❚	E: 4 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	351 x 308 x 93	**VR212PJ**	**VR212TJ**

VR108P.

VR212P.

❚ = 17.5 mm width module

The cosmos range includes a lot of accessories, from brackets for possible plaster compensation to hollow wall anchor fixations, every single feature is conceived to save time and increase simplicity of mounting. It is also possible to find spare parts and additional accessories to the range, such as keys, locks and doors.

VZ924N

VZ923N

Doors

- opaque: made of plastic material, RAL 9010
- transparent: polycarbonate

Description	Cat.ref. opaque door	transparent door
for VD106	**VZ910N**	**VZ909N**
for VD108	**VZ912N**	**VZ911N**
for VR108	**VZ914N**	**VZ913N**
for VD110	**VZ916N**	**VZ915N**
for VR/VD112	**VZ918N**	**VZ917N**
for VR/VD118	**VZ920N**	**VZ919N**
for VD212	**VZ922N**	**VZ921N**
for VR212	**VZ924N**	**VZ923N**

VZ926N

Lock

- supplied with 2 keys

Description	Cat.ref.
lock	**VZ926N**

VZ927N

Hollow wall lever set

- made of plastic material, RAL 9010

Description	Pack qty.	Cat.ref.
hollow wall lever set	4	**VZ927N**

VZ925N

DIN rail chassis

- including screws

Description	Pack qty.	Cat.ref.
DIN rail chassis	2	**VZ925N**

Screw set

- including:
    8 x cover fixation screws
    4 x DIN rail fixation screws

Description	Cat.ref.
screw set for VD/VR enclosures	**VZ932N**

VZ933N

Caps

- set of 5 pieces to close wall mounting holes on surface enclosures

Description	Pack qty.	Cat.ref.
caps for VD enclosures	1 set	**VZ933N**

Characteristics

The golf flush enclosure dedicated for housing is particularly suitable thanks to its ease of mounting on walls. The small enclosure is easily and swiftly mounted and offers space for a large number of modular devices. The range includes boxes with capacities of 1 row up to 4 rows and from 4 to 72 ▮ and completed with transparent or plain doors.

Delivered with

- earth brass screw type terminal and neutral depending on the reference
- marking stickers
- transparent or plain door depending on the reference

Technical data

- IP30 and IK07 without door
- IP40 and IK07 with door
- class II ▣
- nominal current (In): up to 63A
- rated voltage (Ue): 230/400V AC 50Hz
- short circuit current resistance: 10kA
- DIN rail mounting
- colour: RAL 9010
- made in plastic material free of PVC
- wall niche: 72 mm depth
- enclosure total depth: 98 mm

Glow wire test

IEC 60 695-2-10 and IEC 60 695-2-11: 650°C

Complies with

EN IEC 60439-1 / 60439-3 / 60529 / 60670-24

golf flush mounted

Description	Brass terminal	Dimensions H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 4 ▮	N: 2 x 16 mm² + 2 x 10 mm²	225 x 204 x 98	**VF104PF**	**VF104TF**
1 row, 4 ▮	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	225 x 204 x 98	**VF104PJ**	**VF104TJ**
1 row, 8 ▮	N: 3 x 16 mm² + 4 x 10 mm²	225 x 275 x 98	**VF108PF**	**VF108TF**
1 row, 8 ▮	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	225 x 275 x 98	**VF108PJ**	**VF108TJ**
1 row, 12 ▮	N: 3 x 16 mm² + 4 x 10 mm²	293 x 352 x 98	**VF112PF**	**VF112TF**
1 row, 12 ▮	E: 3 x 16 mm² + 4 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	293 x 352 x 98	**VF112PJ**	**VF112TJ**
2 rows, 24 ▮	N: 3 x 16 mm² + 4 x 10 mm²	418 x 352 x 98	**VF212PF**	**VF212TF**
2 rows, 24 ▮	E: 4 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 3 x 10 mm²	418 x 352 x 98	**VF212PJ**	**VF212TJ**
3 rows 36 ▮	N: 3 x 16 mm² + 4 x 10 mm²	543 x 352 x 98	**VF312PF**	**VF312TF**
3 rows 36 ▮	E: 5 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	543 x 352 x 98	**VF312PJ**	**VF312TJ**
4 rows 48 ▮	N: 3 x 16 mm² + 4 x 10 mm²	688 x 352 x 98	**VF412PF**	**VF412TF**
4 rows 48 ▮	E: 6 x 16 mm² + 8 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	688 x 352 x 98	**VF412PJ**	**VF412TJ**
1 row, 18 ▮	E: 3 x 16 mm² + 4 x 10 mm²	293 x 460 x 98	**VF118PF**	**VF118TF**
1 row, 18 ▮	E: 1 x 25 mm² + 4 x 16 mm² + 5 x 10 mm² N: 3 x 16 mm2 + 3 x 10 mm2	293 x 460 x 98	**VF118PJ**	**VF118TJ**
2 rows 36 ▮	E: 3 x 16 mm² + 4 x 10 mm²	418 x 460 x 98	**VF218PF**	**VF218TF**
2 rows 36 ▮	E: 1 x 25 mm² + 6 x 16 mm² + 7 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	418 x 460 x 98	**VF218PJ**	**VF218TJ**
3 rows 54 ▮	E: 3 x 16 mm² + 4 x 10 mm²	543 x 460 x 98	**VF318PF**	**VF318TF**
3 rows 54 ▮	E: 1 x 25 mm² + 7 x 16 mm² + 8 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	543 x 460 x 98	**VF318PJ**	**VF318TJ**
4 rows 72 ▮	E: 3 x 16 mm² + 4 x 10 mm²	688 x 460 x 98	**VF418PF**	**VF418TF**
4 rows 72 ▮	E: 1 x 25 mm² + 8 x 16 mm² + 9 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	688 x 460 x 98	**VF418PJ**	**VF418TJ**
1 row, 22 ▮	E: 3 x 16 mm² + 4 x 10 mm²	293 x 532 x 98	**VF122PF**	**VF122TF**
1 row, 22 ▮	E: 4 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 3 x 10 mm²	293 x 532 x 98	**VF122PJ**	**VF122TJ**

VF104

VF418

▮ = 17.5 mm width module

Characteristics

The golf surface mounting enclosure range is mainly dedicated to residential applications.

The range includes boxes with capacities of 1 row up to 4 rows and from 4 to 72 ▌ and completed with transparent or plain doors.

Delivered with

- screw type earth and neutral brass terminal, depending on the reference
- marking stickers
- transparent or plain door depending on the reference

Technical data

- IP30 and IK07 without door
- IP40 and IK07 with door
- class II 回
- nominal current (In) : up to 63A
- rated voltage (Ue): 230/400V AC - 50Hz
- short circuit current resistance: 10kA
- DIN rail mounting
- colour: RAL 9010
- made in plastic material free of PVC
- enclosure total depth: 99mm

Glow wire test
IEC 60 695-2-10 and IEC 60 695-2-11: 650°C

Complies with
EN 60439-1 / 60439-3 / 60529 / 60670-24

golf surface mounted

VS108

VS212

VS318

Description	Brass terminal	Dimensions H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 4 ▌	N: 2 x 16 mm² + 2 x 10 mm²	184 x 138 x 99	**VS104PF**	**VS104TF**
1 row, 4 ▌	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	184 x 138 x 99	**VS104PJ**	**VS104TJ**
1 row, 8 ▌	N: 3 x 16 mm² + 4 x 10 mm²	184 x 210 x 99	**VS108PF**	**VS108TF**
1 row, 8 ▌	E: 2 x 16 mm² + 2 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	184 x 210 x 99	**VS108PJ**	**VS108TJ**
1 row, 12 ▌	N: 3 x 16 mm² + 4 x 10 mm²	252 x 282 x 99	**VS112PF**	**VS112TF**
1 row, 12 ▌	E: 3 x 16 mm² + 4 x 10 mm² N: 2 x 16 mm² + 2 x 10 mm²	252 x 282 x 99	**VS112PJ**	**VS112TJ**
2 rows, 24 ▌	N: 3 x 16 mm² + 4 x 10 mm²	377 x 282 x 99	**VS212PF**	**VS212TF**
2 rows, 24 ▌	E: 4 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 3 x 10 mm²	377 x 282 x 99	**VS212PJ**	**VS212TJ**
3 rows 36 ▌	N: 3 x 16 mm² + 4 x 10 mm²	500 x 282 x 99	**VS312PF**	**VS312TF**
3 rows 36 ▌	E: 5 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	500 x 282 x 99	**VS312PJ**	**VS312TJ**
4 rows 48 ▌	N: 3 x 16 mm² + 4 x 10 mm²	647 x 282 x 99	**VS412PF**	**VS412TF**
4 rows 48 ▌	E: 6 x 16 mm² + 8 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	647 x 282 x 99	**VS412PJ**	**VS412TJ**
1 row, 18 ▌	E: 3 x 16 mm² + 4 x 10 mm²	252 x 390 x 99	**VS118PF**	**VS118TF**
1 row, 18 ▌	E: 1 x 25 mm² + 4 x 16 mm² + 5 x 10 mm² N: 3 x 16 mm2 + 3 x 10 mm2	252 x 390 x 99	**VS118PJ**	**VS118TJ**
2 rows 36 ▌	E: 3 x 16 mm² + 4 x 10 mm²	377 x 390 x 99	**VS218PF**	**VS218TF**
2 rows 36 ▌	E: 1 x 25 mm² + 6 x 16 mm² + 7 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	377 x 390 x 99	**VS218PJ**	**VS218TJ**
3 rows 54 ▌	E: 3 x 16 mm² + 4 x 10 mm²	500 x 390 x 99	**VS318PF**	**VS318TF**
3 rows 54 ▌	E: 1 x 25 mm² + 7 x 16 mm² + 8 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	500 x 390 x 99	**VS318PJ**	**VS318TJ**
4 rows 72 ▌	E: 3 x 16 mm² + 4 x 10 mm²	647 x 390 x 99	**VS418PF**	**VS418TF**
4 rows 72 ▌	E: 1 x 25 mm² + 8 x 16 mm² + 9 x 10 mm² N: 3 x 16 mm² + 4 x 10 mm²	647 x 390 x 99	**VS418PJ**	**VS418TJ**
1 row, 22 ▌	E: 3 x 16 mm² + 4 x 10 mm²	252 x 462 x 99	**VS122PF**	**VS122TF**
1 row, 22 ▌	E: 4 x 16 mm² + 6 x 10 mm² N: 3 x 16 mm² + 3 x 10 mm²	252 x 462 x 99	**VS122PJ**	**VS122TJ**

▌ = 17.5 mm width module

Doors

Description	Cat.ref. plain door	transparent door
for VF/VS104	**VZ601N**	**VZ621N**
for VF/VS108	**VZ602N**	**VZ622N**
for VF/VS112	**VZ603N**	**VZ623N**
for VF/VS212	**VZ604N**	**VZ624N**
for VF/VS312	**VZ605N**	**VZ625N**
for VF/VS412	**VZ606N**	**VZ626N**
for VF/VS118	**VZ607N**	**VZ627N**
for VF/VS218	**VZ608N**	**VZ628N**
for VF/VS318	**VZ609N**	**VZ629N**
for VF/VS418	**VZ610N**	**VZ630N**

VZ610N

VZ630N

Lock

- supplied with 2 keys

Description	Cat.ref.
lock	**VZ794N**

VZ794N

Cable guides

Description	Pack qty	Cat.ref.
for VS and VF enclosures	10	**VZ699N**

VZ699N

Class II caps and horizontal assembly kit

Description	Pack qty	Cat.ref.
for VS enclosures	4	**VZ789N**

VZ789N

Brick wall fixation brackets

Description	Pack qty	Cat.ref.
brick wall fixation brackets	4	**VZ786N**

VZ786N

Labelling

Description	Pack qty	Cat.ref.
transparent label holder for VF/VS enclosures, 450 mm	5	**VZ787N**
labelling sticker	10	**VZ788N**

VZ787N

quickconnect terminal support

Description	Cat.ref.
4 ▮ for VF/VS series	**VZ705N**
8 ▮ for VF/VS series	**VZ706N**
12 ▮ for VF/VS series	**VZ707N**
18 ▮ for VF/VS series	**VZ708N**

▮ = 17.5 mm width module

Characteristics

The gala surface mounting enclosure range manufactured with insulated material includes boxes of 1 row up to 4 rows and from 4 to 48 ▮ of box and completed with transparent or plain doors.

Delivered with

- quickconnect earth terminal block
- full metallic door
- blanking clip
- marking strip

Technical data

- IP30 and IK07
- class II ▣
- nominal current (In): 63A 3Ph+N
- rated voltage (Ue): 230/400V AC - 50Hz
- DIN rail mounting
- colour: RAL 9010
- made in plastic material free from PVC
- 97mm depth

Glow wire test

IEC 60 695-2-10 and IEC 60 695-2-11: 750°C

Complies with

IEC 61439-3

gala surface mounted

VA24D

Description	**quick**connect earth terminal	Dimensions H x W x D (mm)	Cat.ref.
1 row, 12 ▮	E: 3 x 25 mm² + 11 x 4 mm²	245 x 305 x 97	**VA12D**
2 rows, 24 ▮	E: 5 x 25 mm² + 17 x 4 mm²	370 x 305 x 97	**VA24D**
3 rows 36 ▮	E: 6 x 25 mm² + 20 x 4 mm²	515 x 305 x 97	**VA36D**
4 rows 48 ▮	E: 8 x 25 mm² + 28 x 4 mm²	640 x 305 x 97	**VA48D**

Keylock

VZ302N

Description	Cat.ref.
keylock standard	**VZ302N**

Connection assembly 63A

VZ403

VZ428

Description	Cat.ref.
1 phase + neutral 2 x (3 x 16 + 4 x 10 mm²)	**VZ403**
3 phases + neutral 3 x (3 x 16 + 2 x 10 mm²) + 1 x (5 x 16 + 6 x 10 mm²)	**VZ428**

Blanking clips

Description	Cat.ref.
blanking clips 12 ▮	**P012**

Marking strip

Description	Cat.ref.
marking strip	**VZ604**

▮ = 17.5 mm width module

Boxes with opaque or transparent door, 1–4 lines, 18 to 72 ▍.
Insulating box, colour RAL 9010, for power distribution in residential or small business environments.
The chassis can be removed in one piece, while the DIN rails can be removed one by one, using the clips. The DIN rails can be lowered to accommodate devices with higher shouldering.

The box offers plenty of cabling space:
- between the DIN rail and the base of the box: 47.5 mm
- between the lowered DIN rail and the base of the box: 18 mm
- lateral cabling space between the wall and the DIN rail: 30 mm
- interspace between DIN rails: 150 mm
The cable entry plates have clips, which can also be screwed into place.

Delivered with
"Easy Wall Fixation" system with caps to comply with Class II, diagram holder, shutters, label holders with marking labels and **quick**connect earth modules.

Options
- 1242E or 405 lock
- IP41 kit
- horizontal or vertical junction or coupling kits
- cable ducts
- plate for flexible cable entry

Technical specifications
- IP40 (with door) / IK07
- Insulation class: II
- 90 A for 1 and 2 row boxes
- 125 A for 3 and 4 row boxes
- Glow wire test: 650°C

Complies with
CEBEC & NF marking
EN IEC 60670-24 and EN IEC 61439-3

Small enclosures

vega surface mounted

Description	**quick**connect earth terminal	Dimensions H x W x D (mm)	Cat.ref. plain door	transparent door
1 row, 18 ▍	E: 4 x 25 mm² + 14 x 4 mm²	325 x 400 x 146	**VB118B**	**VB118R**
2 rows, 36 ▍	E: 6 x 25 mm² + 22 x 4 mm²	475 x 400 x 146	**VB218B**	**VB218R**
3 rows 54 ▍	E: 10 x 25 mm² + 34 x 4 mm²	625 x 400 x 146	**VB318B**	**VB318R**
4 rows 72 ▍	E: 12 x 25 mm² + 42 x 4 mm²	775 x 400 x 146	**VB418B**	**VB418R**

VB118B   VB318R

Plain doors

Description	Cat.ref.
for VB118B	**VZ118P**
for VB218B	**VZ218P**
for VB318B	**VZ318P**
for VB418B	**VZ418P**

VZ318P

Transparent doors

Description	Cat.ref.
for VB118R	**VZ118T**
for VB218R	**VZ218T**
for VB318R	**VZ318T**
for VB418R	**VZ418T**

VZ318T

Hinges for plain or transparent doors

Description	Cat.ref.
set of 2 hinges	**VZ004VB**

VZ004VB

Lock

- supplied with 2 keys

Description	Cat.ref.
lock 1242E for plain door	**VZ310PVB**
lock 405 for plain door	**VZ311PVB**
lock 1242E for transparent door	**VZ310TVB**
lock 405 for transparent door	**VZ311TVB**

VZ310PVB   VZ310TVB

▍ = 17.5 mm width module

Cable entry plates

Description	Cat. ref.
with rectangular markings for ducts and wires	**VZ001VB**
flexible cable entry	**VZ003VB**

VZ003VB

Terminal support

- receives the **quick**connect modules KN…E, KN…N, KN…P

Description	Cat.ref.
terminal support	**VZ708N**

VZ708N

Cable guides

- for lateral guiding of cables in the box

Description	Pack qty	Cat. ref.
cable guides	10	**VZ699N**

VZ699N

Symmetrical DIN rail

Description	Cat.ref.
symmetrical DIN rail	**VZ010VB**

VZ010VB

Label holders

Description	Pack qty	Cat. ref.
label holders and marking labels 18 ▋	4	**VZ011B**

VZ011VB

Alignment kit

Description	Cat.ref.
horizontal	**VZ005VB**
vertical	**VZ006VB**

VZ005VB   VZ006VB

Cabling trunking

- halogen free
- with fitting accessories

Description	Dimensions W x D (mm)	Cat. ref.
horizontal	25 x 60	**VZ014VB**
vertical for VB318B/R	25 x 60	**VZ012VB**
vertical for VB418B/R	25 x 60	**VZ013VB**

VZ012VB

Kit IP41

- to upgrade vega enclosures from IP40 to IP41

Description	Cat. ref.
kit IP41	**VZ041VB**

VZ041VB

"Easy wall fixation" mounting kit

- 4 rotating attachments
- 5 shutters to comply with Class II insulation

Description	Cat. ref.
"Easy Wall Fixation" mounting kit	**VZ009VB**
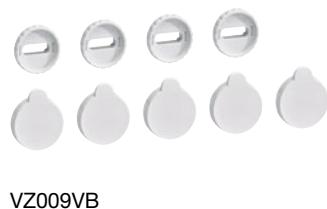
VZ009VB

Diagram holder

- holds plans and diagrams in the door of the box

Description	Cat.ref.
diagram holder	**VZ535**

VZ535

Pole fillers

- to secure locations with no device

JP015

Description	Cat. ref.
1/2 ▌ width	**P031F**
1 ▌ width	**P032F**
18 ▌ width	**JP015**

▌ = 17.5 mm width module

Small enclosures
volta

Characteristics

volta flush distribution enclosure range includes enclosures from 1 row up to 5 rows and from 12 to 60 ▮ and can be completed with transparent or plain doors.

Delivered with

- neutral and earth brass terminal
- reversible full metallic door or transparent door with handle
- blanking clip
- marking strip

Technical data

- IP30 and IK07
- class II ▣
- nominal current (In): for devices up to 63A
- rated voltage (Ue): 230/400V AC - 50Hz
- DIN rail mounting
- colour: RAL 9010
- integrated spirit level
- installed product: 94.5 mm depth

Glow wire test

IEC 60 695-2-10 and IEC 60 695-2-11: 650°C

Complies with

IEC 61439-3

VU12NE

VU24NE

volta flush mounted

Description	Brass terminal	Dimensions H x W (mm)	Cat.ref. plain door	transparent door
1 row, 12 ▮	N: 1 x 25 mm² + 5 x 16 mm² + 7 x 10 mm² E: 1 x 25 mm² + 5 x 16 mm² + 7 x 10 mm²	356 x 348	**VU12NE**	**VU12NT**
2 rows, 24 ▮	N: 1 x 25 mm² + 7 x 16 mm² + 9 x 10 mm² E: 1 x 25 mm² + 7 x 16 mm² + 9 x 10 mm²	505 x 348	**VU24NE**	**VU24NT**
3 rows, 36 ▮	N: 1 x 25 mm² + 9 x 16 mm² + 12 x 10 mm² E: 1 x 25 mm² + 9 x 16 mm² + 12 x 10 mm²	630 x 348	**VU36NE**	**VU36NT**
4 rows, 48 ▮	N: 1 x 25 mm² + 11 x 16 mm² + 13 x 10 mm² E: 1 x 25 mm² + 11 x 16 mm² + 13 x 10 mm²	755 x 348	**VU48NE**	**VU48NT**
5 rows, 60 ▮	N: 1 x 25 mm² + 11 x 16 mm² + 13 x 10 mm² + 3 x 16 mm² + 4 x 10 mm² E: 1 x 25 mm² + 11 x 16 mm² + 13 x 10 mm² + 3 x 16 mm² + 4 x 10 mm²	880 x 348	**VU60NE**	**VU60NT**

Transparent door

- colour: RAL 9010
- installed product width: 288 mm
- installed product heigh: 296.5 mm

VZ131N

Description	Cat. ref.
for VU12NE/NT	**VZ131N**
for VU24NE/NT	**VZ132N**
for VU36NE/NT	**VZ133N**
for VU48NE/NT	**VZ134N**
for VU60NE/NT	**VZ135N**

Keylocks

VZ302N

VZ304N

Description	Pack qty	Cat. ref.
keylock standard	1	**VZ302N**
spare keys	2	**VZ304N**
lock bolts for front cover	2	**VZ225N**

VZ403

VZ428

Connection assemblies 63A

Description	Cat. ref.
phase and neutral 2x (3 x 16 + 2 x 10 mm²)	**VZ403**
3 phase and neutral 3x (3 x 16 + 2 x 10 mm²) + 1x (5 x 16 + 6 x 10 mm²)	**VZ428**

▮ = 17.5 mm width module

Depth adaptators

- allows to convert standard versions into "flat"
  versions with 72mm installation depth

Description	Cat.ref.
for VU12NE, NT	**VZ111N**
for VU24NE, NT	**VZ112N**
for VU36NE, NT	**VZ113N**
for VU48NE, NT	**VZ114N**
for VU60NE, NT	**VZ115N**

VZ111N

Empty terminal support

Description	Cat. ref.
empty terminal support	**VZ711**

VZ711

Support frames

- for mirror and picture insert

Description	Cat.ref.
matt silver, for VU24ND	**VZ807N**
matt silver, for VU36ND	**VZ808N**

VZ808N

Mirrors

Description	Cat.ref.
for VU24ND	**VZ811N**
for VU36ND	**VZ812N**

VZ811N

Picture inserts

Description	Cat.ref.
for VU24ND	**VZ813N**
for VU36ND	**VZ814N**

VZ814N

Pinboard doors

- black expanded plastic plate with aluminium
  frame colour silver

Description	Cat.ref.
for VU24ND	**VZ292N**
for VU36ND	**VZ293N**

VZ293N

Blanking strips

Description	Cat.ref.
6 ▌	**JP001**
12 ▌	**P012**

JP001

▌ = 17.5 mm width module

Characteristics

Surface mounting enclosures with transparent doors for indoor or outdoor use:
1 to 4 rows from 2 to 48 ▮,
1 to 3 rows from 18 to 54 ▮.

Delivered with

Cable bushes and transparent door

Technical data

- IP55 and IK07 < 12 ▮
  IK08 ≥ 12 ▮
- class II ▣
- nominal current (In): 63A
- rated voltage (Ue): 230/400V AC - 50Hz
- colour: light grey RAL 7035

- adjustable DIN rail for shoulder measurement 47 and 63 mm,
- DIN rail mounting
- transparent hinged cover (2 to 10) or door (12 to 54),
- 2 lateral knock outs for cable entry or coupling pieces
- with premarked knock outs for bushes or cable glands M20, M25, M32, M40 and M50 depending on the size,
- 151mm depth for 12 and 18 ▮ width enclosures,
- center distance between DIN rails:
  - 125mm for 12 ▮ enclosures
  - 150mm for 18 ▮ enclosures

Glow wire test

IEC 60 695-2-10 and IEC 60 695-2-11: 750°C

Complies with

IEC 61439-3

VE106F

vector IP55 surface mounted

Description	Brass terminal	Dimensions H x W x D (mm)	Cat. ref. 1 terminal
1 row, 2+1 ▮	- E: 2x16 + 2x10 mm² - supplied cable bushes: 3xM20	175 x 111 x 93	**VE103F**
1 row, 4+2 ▮	- E: 3x16 + 4x10 mm² - supplied cable bushes: 2xM20+2xM25+1xM32	190 x 165 x 113	**VE106F**
1 row, 8+2 ▮	- E: 5x16 + 6x10 mm² - supplied cable bushes: 4xM20+2xM25+1xM32	210 x 237 x 114	**VE110F**

VE312F

vector IP55 surface mounted

Description	**quick**connect terminal	Dimensions H x W x D (mm)	Cat. ref.
1 row, 12 ▮	- E: 3x25 + 5x16 +7x10 mm² - supplied cable bushes: 10xM20 + 2xM25 + 1xM32	302 x 310 x 151	**VE112F**
2 rows, 24 ▮	- E: 5x25 + 7x16 + 9x10 mm² - supplied cable bushes: 14xM20 + 4xM25 + 1xM32	427 x 310 x 151	**VE212F**
3 rows, 36 ▮	- E: 6x25 + 10x16 + 11x10 mm² - supplied cable bushes: 14xM20 + 10xM25 + 2xM32	552 x 310 x 151	**VE312F**
4 rows, 48 ▮	- E: 8x25 + 11x16 + 13x10 mm² - supplied cable bushes: 14xM20 + 10xM25 + 2xM32	677 x 310 x 151	**VE412F**
1 row, 18 ▮	- E: 4x25 mm² + 14x4 mm² - supplied cable bushes: 8xM20 + 10xM25 + 1xM32	302 x 418 x 151	**VE118F**
2 rows, 36 ▮	- E: 6x25 mm² + 20x4 mm² - supplied cable bushes: 8xM20 + 14xM25 + 1xM32	452 x 418 x 151	**VE218F**
3 rows, 54 ▮	- E: 9x25 mm² + 31x4 mm² - supplied cable bushes: 8xM20 + 18xM25 + 2xM32	602 x 418 x 151	**VE318F**

VE218F

▮ = 17.5 mm width module

quickconnect terminals

- for 12 ▌ or 18 ▌ width boxes

Description	Cat. ref.
terminal support	**VZ711**
adapter for terminal support	**VZ744**

Connection assemblies 63A

Description	Characteristics	Cat. ref.
single phase + N	2x(3x16 + 4x10 mm2)	**VZ403**
three phase + N	3x(3x16 + 2x10 mm2) 1x(5x16 + 6x10 mm2)	**VZ428**

VZ403

VZ428

Lock

- with 2 keys
- for enclosures from 2 to 54 ▌

Description	Cat. ref.
lock	**VZ311**

VZ311

Coupling sleeves

- to juxtapose enclosures
- reduction of degree of protection to IP54
- fit on lateral PG21 knock outs of the enclosures
  VE112, VE212, VE312, VE412, VE118, VE218 and
  VE318

Description	Pack qty	Cat. ref.
coupling sleeves	1 set of 10	**VZ754**

VZ754

Set of cable glands

- set includes: 14xM20 + 10xM25 + 2xM32
- reduction of degree of protection IP54

Description	Cat. ref.
set of cable glands	**VZ758**

VZ758

Finishing accessories trunking / box

- RAL 7035

Description	Cat. ref.
finishing accessory 12 ▌	**VZ747**
finishing accessory 18 ▌	**VZ748**

VZ747

Blanking strips

- RAL 7035

Description	Cat. ref.
blanking strip 6 ▌	**VZ413**
blanking strip 12 ▌	**VZ415**
blanking strip 18 ▌	**VZ416**

VZ413

▌ = 17.5 mm width module

Characteristics
UV stabilized and IP65 surface mounting enclosures range suitable for outdoor and photovoltaic application. The range includes enclosures from 1 up to 4 rows from 2 to 54 ▌.

Delivered with:
- transparent door

Technical data
- IP65 and IK07 < 12 ▌
  IK08 ≥ 12 ▌
- class II ▣
- nominal current (In): 63A

- rated voltage (Ue): 230/400V AC - 50Hz
- material: made of polycarbonate
- colour: light grey RAL 7035
- with premarked knock outs for bushes or cable glands M20,M25, M32, M40 and M50
- DIN rail mounting
- 151mm depth for 12 and 18 ▌

Glow wire test
IEC 60 695-2-10 IEC 60 695-2-11: 850°C

Complies with
IEC 61439-3

VE106SN

VE312SN

vector IP65 surface mounted

Description	Dimensions H x W x D (mm)	Cat.ref. without knock-out	with knock-out
1 row, 3 ▌	175 x 111 x 93	**VE103SN**	VE103PN
1 row, 6 ▌	190 x 165 x 113	**VE106SN**	VE106PN
1 row 10 ▌	210 x 237 x 114	**VE110SN**	VE110PN
1 row 12 ▌	302 x 310 x 151	**VE112SN**	VE112PN
2 rows 24 ▌	427 x 310 x 151	**VE212SN**	VE212PN
3 rows 36 ▌	552 x 310 x 151	**VE312SN**	VE312PN
4 rows 48 ▌	677 x 310 x 151	**VE412SN**	VE412PN
1 row 18 ▌	302 x 418 x 151	**VE118SN**	VE118PN
2 rows 36 ▌	452 x 418 x 151	**VE218SN**	VE218PN
3 rows 54 ▌	602 x 418 x 151	**VE318SN**	VE318PN

VZ016M   VZ013V

VZ020D

Cable glands

- to be screwed in knock-outs

Description	Pack qty	Cat.ref.
cable glands Ø M16	20	**VZ016M**
cable glands Ø M20	20	**VZ020M**
cable glands Ø M25	20	**VZ025M**
cable glands Ø M32	20	**VZ032M**
cable glands Ø M40	10	**VZ040M**
ventilated cable glands Ø M20	1	**VZ020D**
ventilated cable glands Ø M25	1	**VZ025D**
ventilated cable glands Ø M32	1	**VZ032D**
cap for ventilated cable glands Ø M20/25	1	**VZ013V**
cap for ventilated cable glands Ø M25/32	1	**VZ021V**

VZ011

Wall fixing brackets

- can be mounted on the side, on the top, and bottom

Description	Pack qty	Cat.ref.
set of 4 wall fixing brackets	1	**VZ011**

VZ040

Mounting plates

Description	Pack qty	Cat.ref.
for VE106xx	1	**VZ040**
for VE110xx	1	**VZ041**

▌ = 17.5 mm width module

Connection assembly

- type: 3 Ph+N
- In: 63A
- Ph: 3 x (3x16mm² + 2x10mm²)
- N: 1 x (5x16mm² + 6x10mm²)

VZ428

Description	Cat.ref.
connection assembly	**VZ428**

Terminal supports equipped with earth and neutral brass terminals

Description		Pack qty	Cat.ref.
for boards 12 ▌ and 18 ▌ per row	- N: 1 x (1x25mm² + 5x16mm² + 7x10mm²) - E: 1 x (1x25mm² + 5x16mm² + 7x10mm²)	1	**VZ521**
for boards 12 ▌ and 18 ▌ per row	- N: 1 x (1x25mm² + 7x16mm² + 9x10mm²) - E: 1 x (1x25mm² + 7x16mm² + 9x10mm²)	10	**VZ522**
for boards 12 ▌ and 18 ▌ per row	- N: 1 x (1x25mm² + 9x16mm² + 12x10mm²) - E: 1 x (1x25mm² + 9x16mm² + 12x10mm²)	10	**VZ523**
for boards 12 ▌ and 18 ▌ per row	- N: 1 x (1x25mm² + 11x16mm² + 13x10mm²) - E: 1 x (1x25mm² + 11x16mm² + 13x10mm²)	1	**VZ524**
for VE103	- N: 1x (2x16mm² + 2x10mm²) - E: 1x (2x16mm² + 2x10mm²)	1	**VZ722**
for VE106	- N: 1x (3x16mm² + 3x10mm²) - E: 1x (3x16mm² + 3x10mm²)	1	**VZ723**
for VE110	- N: 1x (5x16mm² + 5x10mm²) - E: 1x (5x16mm² + 5x10mm²)	1	**VZ724**
for boards 12 ▌ and 18 ▌ per row	- N or E: 1 x (1x25mm² + 5x16mm² + 7x10mm²)	1	**VZ725**
for boards 12 ▌ and 18 ▌ per row	- N or E: 1 x (1x25mm² + 7x16mm² + 9x10mm²)	1	**VZ726**
for boards 12 ▌ and 18 ▌ per row	- N or E: 1 x (1x25mm² + 9x16mm² + 12x10mm²)	1	**VZ727**
for boards 12 ▌ and 18 ▌ per row	- N or E: 1 x (1x25mm² + 11x16mm² + 13x10mm²)	1	**VZ728**
for boards 12 ▌ and 18 ▌ per row	- N or E: 1 x (1x25mm² + 11x16mm² + 13x10mm²) + 1 x (1x25mm² + 2x16mm² + 3x10mm²)	1	**VZ729**

VZ521

VZ722

VZ724

Terminal supports equipped with earth and neutral **quick**connect **terminals**

Description		Pack qty	Cat.ref.
for VE boards	- N: 1x (3x25mm² + 11x4mm²) - E: 1x (3x25mm² + 11x4mm²)	1	**VZ461**
for VE boards	- N: 1x (3x25mm² + 11x4mm²) + (1x25mm² + 5x4mm²) - E: 1x (4x25mm² + 14x4mm²)	1	**VZ462**
for VE boards	- N: 1x (4x25mm² + 14x4mm²) + (1x25mm² + 5x4mm²) - E: 1x (5x25mm² + 17x4mm²)	1	**VZ463**
for VE boards	- N: 1x (3x25mm² + 11x4mm²) + (1x25mm² + 5x4mm²) - E: 1x (6x25mm² + 20x4mm²)	1	**VZ464**

VZ461

Empty terminal support

Description	Cat.ref.
empty terminal support	**VZ711**

▌ = 17.5 mm width module

Surface enclosures				Equipment units					
Partially equipped	Empty	Nr of rows	Width in modules	For 3 or 4 poles x160 MCCBs with or without add-on block vert. mounting	For 3 or 4 poles x160 MCCBs without add-on block horiz. mounting	DIN rail kit for modular devices	Depth-adjustable perforated mounting plate kit	DIN rail kit for terminal blocks + plain front cover	
				height: 2 rows	height:12 rows	height: 2 rows	height: 2 rows	height: 2 rows	
FD22AN	FD22GN	2	48	FD02K1	FD01K1	FD02A1	FD02C2	FD02A2	
FD32AN	FD32GN	3	72						
FD42AN	FD42GN	4	96						
FD52AN	FD52GN	5	120						
FD62AN	FD62GN	6	144						
FD72AN	FD72GN	7	168						

Flush enclosures high depth				Equipment units					
Partially equipped	Empty	Nr of rows	Width in modules	For 3 or 4 poles x160 MCCBs with or without add-on block vert. mounting	For 3 or 4 poles x160 MCCBs without add-on block horiz. mounting	DIN rail kit for modular devices	Depth-adjustable perforated mounting plate kit	DIN rail kit for terminal blocks + plain front cover	
				height: 2 rows	height: 2 rows	height: 2 rows	height: 2 rows	height: 2 rows	
FU22AN	FU22GN	2	48	FD02K1	FD01K1	FD02A1	FD02C2	FD02A2	
FU32AN	FU32GN	3	72						
FU42AN	FU42GN	4	96						
FU52AN	FU52GN	5	120						
FU62AN	FU62GN	6	144						
FU72AN	FU72GN	7	168						

▮ = 17.5 mm width module

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		Doors		Association kit	Fixation plates	Cable entry plates		Back panel entry flange	Cable brackets
		Plain	Transparent, glazed	Horizontal and vertical for surface enclosures	External for surface enclosures	Waterproof with 2 x flange VZ741	IP41 with tube openings	IP41, with rubber coating	Vertical cable duct sideways for surface enclosures
		FD22PN	**FD22TN**	**FD00F1**	**FD00F2**	**FD00P2**	**FD00P3**	**VZ741**	**FD00B1**
		FD32PN	**FD32TN**						
		FD42PN	**FD42TN**						
		FD52PN	**FD52TN**						
		FD62PN	**FD62TN**						
		FD72PN	**FD72TN**						

		Doors			Mounting kit	Cable entry plates		Back panel entry flange	Cable brackets
		Plain	Transparent	Mirror	For hollow wall for flush enclosures	IP41	IP41 with tube openings	IP41	Vertical cable duct sideways for flush enclosures
		FD22PN	**FD22TN**	**FD22SN**	**VZ405N**	**FD00P2**	**FD00P3**	**VZ741**	**FD00B2**
		FD32PN	**FD32TN**	**FD32SN**					
		FD42PN	**FD42TN**	**FD42SN**					
		FD52PN	**FD52TN**	**FD52SN**					
		FD62PN	**FD62TN**	**FD62SN**					
		FD72PN	**FD72TN**	**FD72SN**					

▌ = 17.5 mm width module

Small enclosures
vega D IP40 flush enclosures

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Characteristics
vega D flush mounting enclosures range is adapted to installations in residential and commercial premises up to 160A. The range offers fully or partially equipped enclosure with rows for modular devices or empty enclosures. The vega D range includes enclosures from 2 up to 7 rows from 48 to 168 ▌ capacities.

Delivered with (not for GN version)
- **quick**connect earth terminal block
- blanking clip
- marking strip
- pocket plan
- cable strain relief bar

Technical data
- IP30 and IK07 without door
- IP40 and IK08 with door (flush)
- IP41 and IK08 with door and FD00G1
- class II ▣

- nominal current (In): 160A
- rated voltage (Ue): 230/400V AC
- 50Hz
- material: metallic enclosure
- colour: RAL 9010
- DIN rail mounting
- empty space for equipment unit for enclosure to be completed
- 110mm depth + 40mm external shoulder (for enclosure FUxxDN)
- 110mm depth + 72mm external shoulder (for enclosure FUxxAN and FUxxGN)

Glow wire test:
IEC 60 695-2-10 IEC 60 695-2-11: 850°C

Complies with:
IEC 61 439-3

Note: enclosures of this range are delivered without doors.

FU42DN

Full equipped flush enclosures
- without door, low depth (150mm)
- w. 550 x d. 150 mm
- frame height: 40 mm

Description	Height (mm)	**quick**connect terminals	Cat. ref.
2 rows (48 ▌)	537	1 x KN26E	**FU22DN**
3 rows (72 ▌)	687	2 x KN22E+ 1 x KN99E	**FU32DN**
4 rows (96 ▌)	837	1 x KN22E + 1 x KN26E + 1 x KN99E	**FU42DN**
5 rows (120 ▌)	987	1 x KN22E + 1 x KN26E + 1 x KN99E	**FU52DN**
6 rows (144 ▌)	1137	3 x KN26E+ 2 x KN99E	**FU62DN**
7 rows (168 ▌)	1287	3 x KN26E+ 2 x KN99E	**FU72DN**

FU42AN

Partially equipped flush enclosures
- without door, high depth (182mm)
- w. 550 x d. 182 mm
- frame height: 72 mm

Description	Height (mm)	**quick**connect terminals	Cat. ref.
2 rows height empty space for equipment unit	537	1 x KN26E	**FU22AN**
+ 1 row (24 ▌)	687	2 x KN22E + 1 x KN99E	**FU32AN**
+ 2 rows (48 ▌)	837	1 x KN22E + 1 x KN26E + 1 x KN99E	**FU42AN**
+ 3 rows (72 ▌)	987	1 x KN22E + 1 x KN26E + 1 x KN99E	**FU52AN**
+ 4 rows (96 ▌)	1137	3 x KN26E+ 2 x KN99E	**FU62AN**
+ 5 rows (120 ▌)	1287	3 x KN26E+ 2 x KN99E	**FU72AN**

FU52GN

Empty flush enclosures
- to be completed
- without door and without terminal block, high depth (182mm)
- w. 550 x d. 182 mm
- frame height: 72 mm
- delivered with 2 vertical uprights and **quick**connect terminal holder

Description	Height (mm)	Cat. ref.
2 rows height capacity	537	**FU22GN**
3 rows height capacity	687	**FU32GN**
4 rows height capacity	837	**FU42GN**
5 rows height capacity	987	**FU52GN**
6 rows height capacity	1137	**FU62GN**
7 rows height capacity	1287	**FU72GN**

▌ = 17.5 mm width module

Characteristics

vega D surface mounting enclosures range is adapted to installations in houses and commercial premises up to 160A. The range offers fully or partially equipped enclosure with rows for modular devices or empty enclosures. The vega D range includes enclosures from 2 up to 7 rows from 48 to 168 ▌ capacities.

Delivered with (not for GN version)

- **quick**connect earth terminal block
- blanking clip
- marking strip
- pocket plan
- cable strain relief bar

Technical data

- IP30 and IK07 without door
- IP41 and IK08 with door
- class II ▣

- nominal current (In): 160A
- rated voltage (Ue): 230/400V AC
- 50Hz
- material: metallic enclosure
- colour: RAL 9010
- DIN rail mounting
- empty space for equipment unit for enclosure to be completed for FDxxAN and FDxxGN versions
- 193mm depth

Glow wire test

IEC 60 695-2-10 IEC 60 695-2-11: 650°C

Complies with

IEC 61 439-3

Note: enclosures of this range are delivered without doors.

Full equipped surface enclosures

- without door
- w. 550 x d. 193 mm

Description	Height (mm)	**quick**connect terminals	Cat. ref.
2 rows (48 ▌)	450	1 x KN26E	**FD22DN**
3 rows (72 ▌)	600	2 x KN22E+ 1 x KN99E	**FD32DN**
4 rows (96 ▌)	750	1 x KN22E + 1 x KN26E + 1 x KN99E	**FD42DN**
5 rows (120 ▌)	900	1 x KN22E + 1 x KN26E + 1 x KN99E	**FD52DN**
6 rows (144 ▌)	1050	3 x KN26E+ 2 x KN99E	**FD62DN**
7 rows (168 ▌)	1200	3 x KN26E+ 2 x KN99E	**FD72DN**

FD52DN

Partially equipped surface enclosures

- without door
- w. 550 x d. 193 mm

Description	Height (mm)	**quick**connect terminals	Cat. ref.
2 rows height empty space for internal module	450	1 x KN26E	**FD22AN**
+ 1 row (24 ▌)	600	2 x KN22E + 1 x KN99E	**FD32AN**
+ 2 rows (48 ▌)	750	1 x KN22E + 1 x KN26E + 1 x KN99E	**FD42AN**
+ 3 rows (72 ▌)	900	1 x KN22E + 1 x KN26E + 1 x KN99E	**FD52AN**
+ 4 rows (96 ▌)	1050	3 x KN26E+ 2 x KN99E	**FD62AN**
+ 5 rows (120 ▌)	1200	3 x KN26E+ 2 x KN99E	**FD72AN**

FD52AN

Empty surface enclosures

- to be completed
- without door and without terminal block
- w. 550 x d. 193 mm

- delivered with 2 vertical uprights and **quick**connect terminal holder.

Description	Height (mm)	**quick**connect holder	Cat. ref.
2 rows height capacity	450	1	**FD22GN**
3 row height capacity	600	1	**FD32GN**
4 rows height capacity	750	1	**FD42GN**
5 rows height capacity	900	1	**FD52GN**
6 rows height capacity	1050	2	**FD62GN**
7 rows height capacity	1200	2	**FD72GN**

FD52GN

▌ = 17.5 mm width module

Plain doors

- door opening angle 135°

Description	Height (mm)	Cat. ref.
for FD22GN, FD22DN, FU22GN, FU22DN, FD22AN, FU22AN	350	**FD22PN**
for FD32GN, FD32DN, FU32GN, FU32DN, FD32AN, FU32AN	500	**FD32PN**
for FD42GN, FD42DN, FU42GN, FU42DN, FD42AN, FU42AN	650	**FD42PN**
for FD52GN, FD52DN, FU52GN, FU52DN, FD52AN, FU52AN	800	**FD52PN**
for FD62GN, FD62DN, FU62GN, FU62DN, FD62AN, FU62AN	950	**FD62PN**
for FD62GN, FD62DN, FU62GN, FU62DN, FD62AN, FU62AN	1100	**FD72PN**

FD52PN

Transparent doors

- door opening angle 135°

Description	Height (mm)	Cat. ref.
for FD22GN, FD22DN, FU22GN, FU22DN, FD22AN, FU22AN	350	**FD22TN**
for FD32GN, FD32DN, FU32GN, FU32DN, FD32AN, FU32AN	500	**FD32TN**
for FD42GN, FD42DN, FU42GN, FU42DN, FD42AN, FU42AN	650	**FD42TN**
for FD52GN, FD52DN, FU52GN, FU52DN, FD52AN, FU52AN	800	**FD52TN**
for FD62GN, FD62DN, FU62GN, FU62DN, FD62AN, FU62AN	950	**FD62TN**
for FD62GN, FD62DN, FU62GN, FU62DN, FD62AN, FU62AN	1100	**FD72TN**

FD52TN

Equipment units

- not comptatible with full equipped flush low depth
  version (FUxxDN type references)

FD01A1

FD02A1

FD01K1

FD02A2

Description	Height (mm)	Cat. ref.
1 row of 24 modules DIN rail kit for modular devices	150	**FD01A1**
adjustable 1 row of 20 modules capacity DIN rail kit for terminal blocks + plain front cover	150	**FD01A2**
for 3 or 4 poles x160 MCCBs and switch disconnected DIN rail kit, horizontal position	150	**FD01K1**
for 3 or 4 poles x160 MCCBs or switch disconnected + add-on block DIN rail kit, vertical position	300	**FD02K1**
2 rows of 24 modules DIN rail kit for modular devices	300	**FD02A1**
adjustable 2 rows of 20 modules capacity DIN rail kit for terminal blocks + plain front cover	300	**FD02A2**
2 rows high kit with 1 depth adjustable and 1 distribution DIN rails	300	**FD02A3**
depth-adjustable perforated mounting plate kit 370 x 290 x 1,2mm	300	**FD02C2**
160A change over switch kit for HIC402A, HIC404A, HIC406A, HIC408A, HIC410A, HIC412A, HIC416A	300	**FD02V2**
3 rows of 24 modules DIN rail kit for modular devices with 3 times 1-row single cover	450	**FD03A1**

Trunking

- only for surface low depth enclosure versions

FD00T1

Description	Cat. ref.
set of 4 internal cable trays 30 x 80mm, 439mm width for horizontal fast mounting between 2 rows, with cover	**FD00T1**
set of 4 halogen free internal cable tray 30 x 80mm, 439mm width for horizontal fast mounting between 2 rows with cover	**FD00T2**

▮ = 17.5 mm width module

Cover plates

Description	Height (mm)	Cat. ref.
2 rows slotted cover with 2 label holders and 24 modules width labelling strips	300	**FD00C1**
2 rows plain cover, flat surface, for self-milling or terminal blocks	300	**FD00C2**
2 rows slotted cover with 1 label holder and 24 modules width labelling strip	300	**FD00C3**
1 row slotted cover with 1 label holder and 24 modules width labelling strip	150	**FD00C4**
1 row plain cover	150	**FD00C5**

FD00C3

Mounting plates

Description	Height (mm)	Cat. ref.
perforated mounting plate for direct fixing on vertical uprights	225	**FD00M1**
plain mounting plate for direct fixing on vertical uprights	300	**FD00M2**
perforated mounting plate for direct fixing on vertical uprights	150	**FD00M3**
plain mounting plate for direct fixing on vertical uprights	150	**FD00M4**

FD00M1

Accessories

Description	Cat. ref.
base of DIN rail holder Set of 2 mounting kit supports for 1 row of 150mm high + screws	**FD00H1**
set of 2 DIN rail holders for surface and high depth flush mounting enclosures + screws	**FD00H2**
set of 10 label holder and 24 modules width paper strip	**FD00A1**
set of 10 vertical cable brackets for surface mounting vega D	**FD00B1**
set of 10 cable brackets for flush mounting low depth vega D	**FD00B2**
24 modules width **quick**connect terminals empty support	**FD00Q1**
24 modules width **quick**connect and brass terminals empty support, compatible with KN00A universal support	**FD00Q2**
set of 20 wire guides for vertical or horizontal use, big section	**UZ25V1**
set of 20 wire guides for vertical or horizontal use, small section	**UZ25V2**
support for UZ25V1 and UZ25V2 wire guides	**UZ01V1**

FD00H1   FD00H2

FD00A1

FD00B1

FD00Q1

UZ25V2

▌= 17.5 mm width module

Cable entry plates

- FP00P1, FD00P2 and FD00P3 are delivered with
  2 fixation screws in order to fasten slider to the
  back panel mechanically

FD00P1

FD00P2

FD00P3

FD00P4

Description	Cat. ref.
slider with rectangular openings	**FD00P1**
slider with 2 premounted waterproof flanges, IP41	**FD00P2**
IP41 slider with tube openings to mount-in with 2 fixation screws, 4x12mm, 5x10/20mm, 4 x 12/16/25mm pre-openings	**FD00P3**
kit with a set of 2 side entry plates and gaskets M40, M32 and M25 pre-openings	**FD00P4**
IP41 back panel entry flange	**VZ741**
set of 2 ventilation grids	**FD00P5**

45x45mm adapter with cover for systo wiring accessories

compatible with:
- WS100: 16A socket - quick connection
- WS101: 16A socket - screw connection
- WS160: 16A socket outlet
- WS032: emergency push-button
- WS033: 1/4 turn emergency push-button
- WS035: key switch
- WS264: HDMI socket
- WS265: USB socket
- WS219 x 2: white RJ45 UTP 8pts socket
- WS601: green/red light indicator

FD00E1

Description	Cat. ref.
45x45mm adapter withcover for systo wiring accessories	**FD00E1**

Vertical and horizontal association kit

FD00F1

Description	Cat. ref.
set of 2 association bracket and 4 screws for surface version enclosure	**FD00F1**

External wall fixation plates

FD00F2

Description	Cat. ref.
set of 4 brackets delivered with 4 x M6 screws for surface version enclosure	**FD00F2**

Cable strain relief bar

- to mount below cable entry plates

FD00F3

Description	Cat. ref.
24 modules width, delivered with 4 fixing screws	**FD00F3**

DIN rails (deep adjustable)

- 15 mm height

UZ02B9

Description	Cat. ref.
set of 2 430mm DIN rails for 2 additional rows of 24 modules, delivered with 4 screws	**UZ02B9**

▮ = 17.5 mm width module

A4 pocket plan

Description	Cat. ref.
flexible, A4 format, self adhesive, to stick on the inside of the door	**FZ794**

FZ794

Blanking clips

Description	Pack qty.	Cat. ref.
1/2 module	50	**P031F**
1 module	50	**P032F**

Blanking strips

- color RAL 9010

Description	Pack qty.	Cat. ref.
24 modules	10	**JP002**

Locks

- replace the original latch

Description		Cat. ref.
standard closing system as spare part	◯	**FD00S0**
key lock n° 1242E delivered with 2 keys		**FD00S1**
lock triangle 7mm (with square opening tool)	△	**FD00S2**
lock square 7mm (with triangle opening tool)	▢	**FD00S3**
key lock n° 405 delivered with 2 keys		**FD00S4**
two-way key lock 3mm (with 2-way opening tool)	◉	**FD00S5**

FD00S1

FD00S5

Horizontal partitioning plates

Description	Cat. ref.
for surface mounting enclosures	**FD00A3**
for high depth flush mounting enclosures (182 mm)	**FD00A4**
for low depth flush mounting enclosures (150 mm)	**FD00A5**

FD00A3

▮ = 17.5 mm width module

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KJ02AN

Single pole distribution blocks

- FP00P1, FD00P2 and FD00P3 are delivered with
2 fixation screws in order to fasten slider to the
back panel mechanically

Description	Ipk (kA)	Icw (kA - 1s)	Connection capacity (mm²)	Width in module	Cat. ref.
125A	25	4,2	flexible: 2 x 6 to 35 mm² + 1 x 1.5 to 16 mm² + 6 x 1.5 to 10 mm² rigid: 2 x 10 to 35 mm² + 2 x 2.5 to 16 mm² + 6 x 1.5 to 16 mm²	1.5	**KJ02DN**
160A	36	8.4	flexible: 2 x 16 to 50 mm² + 3 x 1.5 to 16 mm² + 8 x 1.5 to 10 mm² rigid: 2 x 25 to 70 mm² + 3 x 2.5 to 25 mm² + 8 x 1.5 to 16 mm²	2	**KJ02CN**
250A	60	14.4	flexible: 1 x 25 to 95 mm² + 3 x 1.5 to 35 mm² + 4 x 1.5 to 10 mm² + 8 x 1.5 to 16 mm² rigid: 2 x 35 to 120 mm² + 1 x 1.5 to 50 mm² + 4 x 1.5 to 16 mm² + 8 x 2.5 to 25 mm²	2.5	**KJ02AN**
400A	514	2	rigid: - incoming : 1 x 95 to 185 mm² - outgoing : 2 x 6 to 35 mm²+ 5 x 1.5 to 16 mm² + 4 x 1.5 to 10 mm² flexible: - incoming : 1 x 95 to 150 mm² - outgoing : 2 x 6 to 25 mm²+ 5 x 1.5 to 16 mm² + 4 x 1.5 to 10 mm²	2.5	**KJ02B**

KJ02E

Modular distribution monobloc

Description	Isc peak (kA)	Ui (V)	Connection capacity (mm²)	Width in module	Cat. ref.
100A, 4 poles	20	500	per phase: 1 x 25 mm² + 2 x 10 mm² + 5 x 6 mm² neutral: 1 x 25 mm² + 6 x 10 mm² + 4 x 6 mm²	6	**KJ02E**

KJ100A

KJ160A

Stepped distribution blocks
Brass busbar terminals

Description	Ipk (kA)	Ui (V)	Connection capacity per bar (mm²)	Width in module	Cat. ref.
90A, 2 poles	29		2 x 25 mm² + 10 x 16 mm² flexible 2 x 35 mm² + 10 x 16 mm² rigid	7.5	**KJ01A**
100A, 4 poles 4x7 connection points	24	500	2 x 25 mm² + 5 x 16 mm² rigid wire 2 x 16 mm² + 5 x 10 mm² with ferrule	4.5	**KJ100A**
125A, 4 poles 4x15 connection points	28	500	1 x 35 mm² + 3 x 35 mm² + 11 x16 mm² rigid wire 1 x 35 mm² + 3 x 25 mm² + 11 x 10 mm² with ferrule	10	**KJ125B**
160A, 4 poles 4x12 connection points	36	500	1 x 70 mm² + 3 x 35 mm² + 8 x 25 mm² rigid wire 1 x 50 mm² + 3 x 25 mm² + 8 x 16 mm² with ferrule	9.5	**KJ160A**

▌ = 17.5 mm width module

Characteristics
vega D surface mounting enclosures range is adapted to installations in houses and commercial premises up to 160A. The range offers enclosures to be completed according to the configuration with rows for modular devices. The vega D range includes enclosures from 2 up to 7 rows from 48 to 168 ▌ capacities.

Delivered with
- **quick**connect earth terminal block
- plain door
- wall fixing brackets

Technical data
- IP54 and IK07
- class II ▣
- nominal current (In): 160A
- rated voltage (Ue): 230/400V AC - 50Hz
- material: metallic enclosure
- colour: RAL 9010
- DIN rail mounting
- empty space for equipment unit for enclosure to be completed
- 185mm depth

Glow wire test
IEC 60 IEC 60 695-2-10,
IEC 60 695-2-11: 650°C

Complies with
EN60-439-3

Partially equipped surface mounting enclosures

- with an empty space for internal module
- with door
- w. 550 x d. 218 mm

Description	Height (mm)	**quick**connect terminals	Cat. ref.
2 rows height empty space for internal module	500	5 x 25 + 17 x 4 mm²	**FV22A**
+ 1 row (24 ▌)	650	2 x (5 x 25 + 17 x 4 mm²)	**FV32A**
+ 2 rows (48 ▌)	800	(5 x 25 + 17 x 4 mm²) + (6 x 25 + 20 x 4 mm²)	**FV42A**
+ 3 rows (72 ▌)	950	(5 x 25 + 17 x 4 mm²) + (6 x 25 + 20 x 4 mm²)	**FV52A**
+ 4 rows (96 ▌)	1100	3 x (6 x 25 + 20 x 4 mm²)	**FV62A**
+ 5 rows (120 ▌)	1250	3 x (6 x 25 + 20 x 4 mm²)	**FV72A**

FV42A

FV62A

▌ = 17.5 mm width module

Equipment units

Description		Cat. ref.
for 3 or 4 poles x160 MCCBs and switch disconnected DIN rail - vertical position		**UK22A2**
for 250A MCCBs setted at In = 160A		**UK22B3**
for DIN rail modular devices 2 row of 24 modules	▮	**UD22B3**
with perforated plate w.415 x h.235 mm		**UD22C2**
for terminal blocks		**UD22A5**

UK22A2

Locks

- replace the original latch

Description		Cat. ref.
key lock n° 1242E delivered with 2 keys		**FZ507**
key lock n° 405 delivered with 2 keys		**FZ526**
key lock n° 455 delivered with 2 keys		**FZ527**
lock with male triangle of 7 mm chrome plated with 1 key		**FZ502**
lock with male square of 7 mm chrome plated with 1 key		**FZ503**
lock with double chrome plated bar of 3 mm with 1 key		**FZ501**

FZ507

FZ503

Wire guides

Description	Pack qty	Cat. ref.
wire guides big section	20	**UZ25V1**
wire guides small section	20	**UZ25V2**
covers for wire guides, 2m length	20	**UT50C**

UZ25V2

Wire ducts

Description	Pack qty	Cat. ref.
horizontal wire ducts, 2 x (h. 85 x w. 31 x l. 500 mm)	1	**UZ52A1**
support frame for wire ducts	2	**UZ50A1**

UZ52A1

Blanking clips

Description	Pack qty.	Cat. ref.
1/2 module	50	**P031F**
1 module	50	**P032F**

P031F   P032F

Blanking strips

Description	Pack qty.	Cat. ref.
24 modules, RAL 9010	10	**JP002**

A4 pocket plan

Description	Cat. ref.
flexible, A4 format, self adhesive, to stick on the inside of the door	**FZ794**

FZ794

Spray paint

Description	Cat. ref.
spray paint, RAL 9010	**FZ792N**

Single pole distribution blocks

Description	Isc peak (kA)	Connection capacity (mm²)	Width in module	Cat. ref.
125A	30	incoming: 1 x 35 + 1 x 16mm² outgoing: 6 x 16mm²	1.5	**KJ02D**
160A	50	incoming: 1 x 70mm² (rigid) 1 x 50mm² (flexible) outgoing: 6 x 16 + 1 x 16mm² flat copper lateral	2	**KJ02C**
250A	50	incoming: 1 x 95mm² outgoing: 2 x 25 + 5 x 16 + 4 x 10mm²	2.5	**KJ02A**
400A	50	incoming: 1 x 150 outgoing: 2 x 25 + 5 x 16 + 4 x 10mm²	2.5	**KJ02B**

KJ02A

Modular distribution monobloc

Description	Isc peak (kA)	Ui (V)	Connection capacity (mm²)	Width in module	Cat. ref.
100A, 4 poles	20	500	per phase: 1 x 25 + 2 x 10 + 5 x 6mm² neutral: 1 x 25 + 6 x 10 + 4 x 6mm²	6	**KJ02E**

KJ02E

Stepped distribution blocks
Brass busbar terminals

Description	Ipk (kA)	Ui (V)	Connection capacity per bar (mm²)	Width in module	Cat. ref.
100A, 4 poles 4x7 connection points	24	500	2x25 + 5x16mm² rigid wire 2x16 + 5x10mm² with ferrule	4.5	**KJ100A**
125A, 4 poles 4x15 connection points	28	500	1x35 + 3x35 + 11x16mm² rigid wire 1x35 + 3x25 + 11x16mm² with ferrule	10	**KJ125B**
160A, 4 poles 4x12 connection points	36	500	1x70 + 3x35 + 8x25mm² rigid wire 1x50 + 3x25 + 8x16mm² with ferrule	9.5	**KJ160A**

KJ100A

KJ160A

Characteristics

FW flush mounting enclosures range is adapted to installations in commercial premises up to 125A. The range enables enclosures to be completed according to the configuration or complete enclosure with rows for modular devices. The FW range includes enclosures from 1 up to 4 fields, 3 up to 7 rows and from 36 to 288 ▌ capacities.

Delivered with

- plain or transparent door
- wall fixing brackets
- **quick**connect earth and neutral terminal block per field
- Euramis door latch

Technical data

- IP30
- class II ▣

- nominal current (In): 125A
- rated voltage (Ue): 230/400V AC - 50Hz
- short circuit resistance: 17kA
- material: metallic enclosure
- colour: RAL 9010
- DIN rail mounting
- 110mm depth
- DIN rail 35 x 7.5mm
- 125mm center distance between rows

Glow wire test

IEC 60 695-2-10,
IEC 60 695-2-11: 850°C

Complies with

IEC 61 439-3

FW62US2

FW flush mounting enclosures

- DIN rail equipped version (except FWxxxUD2)
- 110mm depth
- for connection with screws use the KMxxx
  accessories

Height (mm)	Width (mm)	Terminals E/N	Fields	Rows	Nr of modules	Cat. ref. plain door	transparent door
500	300	KN18E + KN18N	1	3	36	**FW31US2**	**FW31UG2**
500	550	KN18E + KN18N	2	3	72	**FW32US2**	**FW32UG2**
500	800	KN18E + KN18N	3	3	108	**FW33US2**	**FW33UG2**
650	300	KN22E + KN22N	1	4	48	**FW41US2**	**FW41UG2**
650	550	KN22E + KN22N	2	4	96	**FW42US2**	**FW42UG2**
650	800	KN22E + KN22N	3	4	144	**FW43US2**	**FW43UG2**
800	300	KN26E + KN26N	1	5	60	**FW51US2**	**FW51UG2**
800	550	KN26E + KN26N	2	5	120	**FW52US2**	**FW52UG2**
800	800	KN26E + KN26N	3	5	180	**FW53US2**	**FW53UG2**
800	1050	KN26E + KN26N	4	5	240	**FW54US2**	**FW54UG2**
950	300	KN26E + KN26N	1	6	72	**FW61US2**	**FW61UG2**
950	550	KN26E + KN26N	2	6	144	**FW62US2**	**FW62UG2**
950	800	KN26E + KN26N	3	6	216	**FW63US2**	**FW63UG2**
950	1050	KN26E + KN26N	4	6	288	**FW64US2**	**FW64UG2**
1100	300	KN26E + KN26N	1	7	84	**FW71US2**	**FW71UG2**
1100	550	KN26E + KN26N	2	7	168	**FW72US2**	**FW72UG2**
1100	800	KN26E + KN26N	3	7	252	**FW73US2**	**FW73UG2**

Characteristics
FW flush mounting enclosures range is adapted to installations in commercial premises up to 125A. The range enables enclosures to be completed according to the configuration or complete enclosure with rows for modular devices. The FW range includes enclosures from 1 up to 4 fields, 3 up to 7 rows and from 36 to 338 ▌ capacities.

Delivered with
- plain door
- wall fixing brackets
- Euramis door latch

Technical data
- IP30
- class II ▣
- nominal current (In): 125A

- rated voltage (Ue): 230/400V AC - 50Hz
- short circuit resistance: 17kA
- material: metallic enclosure
- colour: RAL 9010
- 110mm depth

Glow wire test
IEC 60 695-2-10,
IEC 60 695-2-11: 850°C

Complies with
IEC 61 439-3

FW62UD2

FW flush mounting enclosures empty version

- 110mm depth

Height (mm)	Width (mm)	Cat. ref. plain door
500	300	FW31UD2
500	550	FW32UD2
500	800	FW33UD2
650	300	FW41UD2
650	550	FW42UD2
650	800	FW43UD2
800	300	FW51UD2
800	550	FW52UD2
800	800	FW53UD2
800	1050	FW54UD2
950	300	FW61UD2
950	550	FW62UD2
950	800	FW63UD2
950	1050	FW64UD2
1100	300	FW71UD2
1100	550	FW72UD2
1100	800	FW73UD2
1250	300	FW81UD2

Slotted doors

- do not reduce IP30
- the rated power adjusted as far as 45% on appliance one section; on appliance 2 sections as far as 90%

FZ006NV

Description	Cat. ref. left door	right door w/ closure
for FW42U..	-	**FZ006NV**
for FW43U..	**FZ007NV**	**FZ006NV**
for FW51U..	-	**FZ009NV**
for FW52U..	-	**FZ010NV**
for FW53U..	**FZ011NV**	**FZ010NV**
for FW62U..	-	**FZ014NV**
for FW71U..	-	**FZ021NV**
for FW72U..	-	**FZ022NV**
for FW73U..	**FZ023NV**	**FZ022NV**
for FW81U..-	-	**FZ026NV**

Mounting kits

UW31U

Description	Height (mm)	Width (mm)	No. of spans	No. of rows	Cat. ref.
for flush enclosures 500mm	450	250	1	3	**UW31U**
for flush enclosures 650mm	600	250	1	4	**UW41U**
for flush enclosures 800mm	750	250	1	5	**UW51U**
for flush enclosures 950mm	900	250	1	6	**UW61U**
for flush enclosures 1100mm	1050	250	1	7	**UW71U**
for flush enclosures 1200mm	1200	250	1	8	**UW81U**

Kits for perforated mounting plates

UN61TN

Description	Height (mm)	Width (mm)	No. of spans	No. of rows	Cat. ref.
for FW31U..	310	248	1	3	**UN31TN**
for FW32/33U..	310	498	2	3	**UN32TN**
for FW41U..	460	248	1	4	**UN41TN**
for FW42/43U..	460	498	2	4	**UN42TN**
for FW51U..	610	248	1	5	**UN51TN**
for FW52/53/54U..	610	498	2	5	**UN52TN**
for FW61U..	760	248	1	6	**UN61TN**
for FW62/63/64U..	760	498	2	6	**UN62TN**
for FW71U..	910	248	1	7	**UN71TN**
for FW72/73U..	910	498	2	7	**UN72TN**

▌ = 17.5 mm width module

Small enclosures

Perforated mounting plates

Description	Height (mm)	Width (mm)	No. of spans	No. of rows	Cat. ref.
perforated mounting plate	240	248	1	2	**UZ21M6**
perforated mounting plate	310	248	1	3	**UZ31M5**
perforated mounting plate	390	248	1	3	**UZ31M6**
perforated mounting plate	310	498	2	3	**UZ32M5**
perforated mounting plate	460	248	1	4	**UZ41M5**
perforated mounting plate	570	248	1	4	**UZ41M6**
perforated mounting plate	460	498	2	4	**UZ42M5**
perforated mounting plate	610	248	1	5	**UZ51M5**
perforated mounting plate	610	498	2	5	**UZ52M5**
perforated mounting plate	760	248	1	6	**UZ61M5**
perforated mounting plate	760	498	2	6	**UZ62M5**

UZ61M5

Set of 2 uprights

Description	Cat. ref.
for flush enclosures h. 500mm	**UN03FN**
for flush enclosures h. 650mm	**UN04FN**
for flush enclosures h. 800mm	**UN05FN**
for flush enclosures h. 950mm	**UN06FN**
for flush enclosures h. 1100mm	**UN07FN**
for flush enclosures h. 1250mm	**UN08FN**

UN04FN

DIN rails

Description	Pack qty	Cat. ref.
DIN rail 7.5 mm, galvanized metal, 1 field	30	**U842B**
DIN rail 7.5 mm, insulated, 1 field	30	**UT22C**

U842B

Earth connection for perforated plates

Description	Cat. ref.
earth connection cable for perforated plates, 400 mm, 1.5 mm²	**UL01G1**

Supporting structures

- DIN rails with distance between the centres: 125mm,
- without plate

Height (mm)	Width (mm)	No. of fields	No. of rows	No. of modules	Cat. ref.
450	250	1	3	36	**UN03GN**
600	250	1	4	48	**UN04GN**
750	250	1	5	60	**UN05GN**
900	250	1	6	72	**UN06GN**
1050	250	1	7	84	**UN07GN**

UN06GN

▌ = 17.5 mm width module

US31A3

Opened protective covers

- DIN rails with distance between the centres: 125mm,
- without plate

Height (mm)	Width (mm)	No. of fields	No. of rows	No. of modules	Cat. ref.
150	250	1	1	12	**US11A3**
300	250	1	2	24	**US21A3**
450	250	1	3	36	**US31A3**
600	250	1	4	48	**US41A5**
750	250	1	5	60	**US51A5**
900	250	1	6	72	**US61A5**

US21A1

Closed protective covers

Height (mm)	Width (mm)	No. of fields	No. of rows	No. of modules	Cat. ref.
150	250	1	1	12	**US11A1**
300	250	1	2	24	**US21A1**
450	250	1	3	36	**US31A1**
600	250	1	4	48	**US41A1**
750	250	1	5	60	**US51A1**

UT44AN

Vertical partitions

Description	Cat. ref.
for flush enclosures h. 500mm	**UT44AN**
for flush enclosures h. 650mm	**UT44BN**
for flush enclosures h. 800mm	**UT44CN**
for flush enclosures h. 950mm	**UT44DN**
for flush enclosures h. 1100mm	**UT44FN**

ZZ10H

UZ04A1

UZ00K1

KN00A

Accessories

Description	Cat. ref.
horizontal partitions to mount between the plates (to cut out for flush mounting)	**ZZ10H**
double towers with screw	**UZ04A1**
tower underparts with bar	**UZ03A1**
low tower underparts	**UZ01A2**
adapter kits, 12 mm adjustable, max. 32 mm	**FZ279**
hollow wall mounting kits	**FZ276**
sliders	**FZ277**
connection assembly for **quick**connect	**UZ00K1**
universal adaptor	**KN00A**
door shields with handle	**FZ598N**

▐ = 17.5 mm width module

PE + N connections

- snap on lateral support

PE/N Terminals	Section (mm²)	Pack qty	Cat. ref.
2 x 13 each	6 x 16, 7 x 10	2	**KM13A**
2 x 22 each	10 x 16, 12 x 10	2	**KM22A**
2 x 25 each	11 x 16, 14 x 10	2	**KM25A**
4 x 5 each	1 x 25, 2 x 16, 2 x 10	1	**KM05B**

KM05B

KM25A

quickconnect terminals

Description	Width (mm)	Cat. ref. N terminals	Ph terminals	PE terminals
6 units	30	**KN06N**	**KN06P**	**KN06E**
10 units	45	**KN10N**	**KN10P**	**KN10E**
14 units	60	**KN14N**	**KN14P**	**KN14E**
18 units	75	**KN18N**	**KN18P**	**KN18E**
22 units	90	**KN22N**	**KN22P**	**KN22E**
26 units	105	**KN26N**	**KN26P**	**KN26E**

KN06P

KN10N

KN14E

▌ = 17.5 mm width module

Characteristics

FW flush and surface mounting enclosures range is adapted to installations in commercial premises up to 125A. The range enables enclosures to be completed according to the configuration or complete enclosure with rows for modular devices. The FW range includes enclosures from 1 up to 4 fields, 3 up to 7 rows and from 36 to 338 ▮ capacities.

Delivered with

- full or transparent door
- wall fixing brackets
- **quick**connect earth and neutral terminal block per field

Technical data

- IP44
- class II ▣
- nominal current (In): 125A
- rated voltage (Ue): 230/400V AC - 50Hz
- short circuit resistance: 17kA
- material: metallic enclosure
- colour: RAL 9010
- DIN rail mounting
- 160mm depth

Glow wire test

IEC 60 695-2-10
IEC 60 695-2-11: 750°C

Complies with

IEC 61 439-3 and EN 61 439-3

FWB52S

FW metal surface mounting enclosures

- 160mm depth
- for connection with screws use the KMxxx accessories

Height (mm)	Width (mm)	Terminals E/N	Fields	Rows	Nr of modules	Cat. ref. plain door	transparent door
500	300	KN18E + KN18N	1	3	36	**FWB31S**	**FWB31GS**
500	550	KN18E + KN18N	2	3	72	**FWB32S**	**FWB32GS**
500	800	KN18E + KN18N	3	3	108	**FWB33S**	**FWB33GS**
500	1050	KN18E + KN18N	4	3	144	**FWB34S**	**FWB34GS**
650	300	KN22E + KN22N	1	4	48	**FWB41S**	**FWB41GS**
650	550	KN22E + KN22N	2	4	96	**FWB42S**	**FWB42GS**
650	800	KN22E + KN22N	3	4	144	**FWB43S**	**FWB43GS**
650	1050	KN22E + KN22N	4	4	192	**FWB44S**	**FWB44GS**
800	300	KN26E + KN26N	1	5	60	**FWB51S**	**FWB51GS**
800	550	KN26E + KN26N	2	5	120	**FWB52S**	**FWB52GS**
800	800	KN26E + KN26N	3	5	180	**FWB53S**	**FWB53GS**
800	1050	KN26E + KN26N	4	5	240	**FWB54S**	**FWB54GS**
950	300	KN26E + KN26N	1	6	72	**FWB61S**	**FWB61GS**
950	550	KN26E + KN26N	2	6	144	**FWB62S**	**FWB62GS**
950	800	KN26E + KN26N	3	6	216	**FWB63S**	**FWB63GS**
950	1050	KN26E + KN26N	4	6	288	**FWB64S**	**FWB64GS**
1100	300	KN26E + KN26N	1	7	84	**FWB71S**	**FWB71GS**
1100	550	KN26E + KN26N	2	7	168	**FWB72S**	**FWB72GS**
1100	800	KN26E + KN26N	3	7	252	**FWB73S**	**FWB73GS**
1100	1050	KN26E + KN26N	4	7	336	**FWB74S**	**FWB74GS**
1250	300	KN26E + KN26N	1	8	96	**FWB81S**	-

▮ = 17.5 mm width module

Plain doors

Description	Cat. ref. left door	right door w/ closure
for FWB31	-	FZ001N
for FWB32	-	FZ002N
for FWB33	FZ003N	FZ002N
for FWB34	FZ004N	FZ002N
for FWB41	-	FZ005N
for FWB42	-	FZ006N
for FWB43	FZ007N	FZ006N
for FWB44	FZ008N	FZ006N
for FWB51	-	FZ009N
for FWB52	-	FZ010N
for FWB53	FZ011N	FZ010N
for FWB54	FZ012N	FZ010N
for FWB61	-	FZ013N
for FWB62	-	FZ014N
for FWB63	FZ015N	FZ014N
for FWB64	FZ016N	FZ014N
for FWB71	-	FZ021N
for FWB72	-	FZ022N
for FWB73	FZ023N	FZ022N
for FWB74	FZ024N	FZ022N
for FWB81	-	FZ026N

FZ001N

Slotted doors

Description	Cat. ref. left door	right door w/ closure
for FWB42	-	FZ006NV
for FWB43	FZ007NV	FZ006NV
for FWB51	-	FZ009NV
for FWB52	-	FZ010NV
for FWB53	FZ011NV	FZ010NV
for FWB62	-	FZ014NV
for FWB71	-	FZ021NV
for FWB72	-	FZ022NV
for FWB81	-	FZ026NV

FZ006NV

▮ = 17.5 mm width module

Transparent doors

-width 550mm, 2 sections
-all transparent doors can also use for appliance
 FW flush mounting.

FZ106N

Description	Cat. ref.
width 550mm, 2 sections for enclosures height 500 mm x width 550 to 1050 mm, FWB32 , FWB33 , FWB34	**FZ107N**
width 550mm, 2 sections for enclosures height 650 mm x width 550 to 1050 mm, FWB42S, FWB43S, FWB44S	**FZ104N**
width 550mm, 2 sections for enclosures height 800 mm x width 550 to 1050 mm, FWB52S, FWB53S, FWB54S	**FZ106N**
width 550mm, 2 sections for enclosures height 950 mm x width 550 to 1050 mm, FWB62S, FWB63S, FWB64S	**FZ110N**
width 550mm, 2 sections for enclosures height 1100 mm x width 550 to 1050 mm, FWB72S, FWB73S, FWB74S	**FZ102N**
width 300mm, 1 section for enclosures height 500 mm x width 300 mm, FWB31	**FZ105N**
width 300mm, 1 section for enclosures height 650 mm x width 300 mm, FWB41	**FZ108N**

Finishing frames

- max. adjustment 45 mm
- external dimensions + 48 mm

FZ22B

Description	Height (mm)	Width (mm)	Cat. ref.
for FWB31	500	300	**FZ011B**
for FWB32	500	550	**FZ012B**
for FWB33	500	800	**FZ013B**
for FWB34	500	1050	**FZ014B**
for FWB41	650	300	**FZ021B**
for FWB42	650	550	**FZ022B**
for FWB43	650	800	**FZ023B**
for FWB44	650	1050	**FZ024B**
for FWB51	800	300	**FZ11B**
for FWB52	800	550	**FZ12B**
for FWB53	800	800	**FZ13B**
for FWB54	800	1050	**FZ14B**
for FWB61	950	300	**FZ21B**
for FWB62	950	550	**FZ22B**
for FWB63	950	800	**FZ23B**
for FWB64	950	1050	**FZ24B**
for FWB71	1100	300	**FZ31B**
for FWB72	1100	550	**FZ32B**
for FWB73	1100	800	**FZ33B**
for FWB74	1100	1050	**FZ34B**

▌ = 17.5 mm width module

Complete spans for modular devices and telecom applications can be easily integrated in the enclosure and combined according to the needs.

Mounting kits for enclosures

Description	Height (mm)	Width (mm)	No. of fields	No. of rows	No. of modules	Cat. ref.
for surface enclosures 500mm	450	250	1	3	36	**UW31V**
for surface enclosures 650mm	600	250	1	4	48	**UW41V**
for surface enclosures 800mm	750	250	1	5	60	**UW51V**
for surface enclosures 950mm	900	250	1	6	72	**UW61V**
for surface enclosures 1100mm	1050	250	1	7	84	**UW71V**
for surface enclosures 1250 mm	1200	250	1	8	96	**UW81V**

UW61V

Kits for perforated mounting plates

- to be used with partitions (see page 1.49 for references)

Height (mm)	Width (mm)	No. of fields	No. of rows	Cat. ref.
310	248	1	3	**UN31TN**
310	498	2	3	**UN32TN**
460	248	1	4	**UN41TN**
460	498	2	4	**UN42TN**
610	248	1	5	**UN51TN**
610	498	2	5	**UN52TN**
760	248	1	6	**UN61TN**
760	498	2	6	**UN62TN**
910	248	1	7	**UN71TN**
910	498	2	7	**UN72TN**

UN61TN

Perforated mounting plates

Height (mm)	Width (mm)	No. of fields	No. of rows	Cat. ref.
240	248	1	2	**UZ21M6**
310	248	1	3	**UZ31M5**
390	248	1	3	**UZ31M6**
310	498	2	3	**UZ32M5**
460	248	1	4	**UZ41M5**
570	248	1	4	**UZ41M6**
460	498	2	4	**UZ42M5**
610	248	1	5	**UZ51M5**
610	498	2	5	**UZ52M5**
760	248	1	6	**UZ61M5**
760	498	2	6	**UZ62M5**

UZ61M5

▌ = 17.5 mm width module

Set of 2 uprights

Description	Cat. ref.
for flush enclosures h. 500mm	**UN03A**
for flush enclosures h. 650mm	**UN04A**
for flush enclosures h. 800mm	**UN05A**
for flush enclosures h. 950mm	**UN06A**
for flush enclosures h. 1100mm	**UN07A**
for flush enclosures h. 1250mm	**UN08A**

UN03A

Earth connection for perforated plates

Description	Cat. ref.
earth connection cable for perforated plates 400mm, 1,5 mm^2	**UL01G1**

Opened protective covers

- DIN rails with distance between the centres: 125mm,
- for modular devices

Height (mm)	Width (mm)	No. of spans	No. of rows	No. of modules	Cat. ref.
150	250	1	1	12	**US11A3**
300	250	1	2	24	**US21A3**
450	250	1	3	36	**US31A3**
600	250	1	4	48	**US41A5**
750	250	1	5	60	**US51A5**
900	250	1	6	72	**US61A5**

US31A3

Closed protective covers

Height (mm)	Width (mm)	No. of spans	No. of rows	No. of modules	Cat. ref.
150	250	1	1	12	**US11A1**
300	250	1	2	24	**US21A1**
450	250	1	3	36	**US31A1**
600	250	1	4	48	**US41A1**
750	250	1	5	60	**US51A1**
150	500	2	1	24	**US12A1**
300	500	2	2	48	**US22A1**
450	500	2	3	72	**US32A1**
600	500	2	4	96	**US42A1**
150	500	3	1	24	**US13A1**
300	500	3	2	48	**US23A1**
450	500	3	3	72	**US33A1**

US21A1

▮ = 17.5 mm width module

Partitions

Description	Cat. ref.
vertical for enclosures h. 500mm	**UZ30F1**
vertical for enclosures h. 650mm	**UZ40F1**
vertical for enclosures h. 800mm	**UZ50F1**
vertical for enclosures h. 950mm	**UZ60F1**
vertical for enclosures h. 1100mm	**UZ70F1**
horizontal for 1 span width	**ZZ10H**

UZ40F1

Towers

Description	Cat. ref.
double towers with screw	**UZ04A1**
top tower overpart, 15 mm, 1 set = 4 pieces	**UZ05A1**
tower underparts with bar	**UZ03A1**
low tower underparts	**UZ01A2**

UZ01A2

UZ05A1

Cable guides

Description	Cat. ref.
cable guides strap small section, 1 set = 20 pieces	**UZ25V2**
fixing support for cable guide, vertical, clip fixing	**UZ01V2**

UZ25V2

Wall fixing brackets

Description	Cat. ref.
for surface mounting, 1 set = 4 pieces	**FZ803B**

FZ803B

Suspension rail

- to mount surface enclosures

Description	Cat. ref.
suspension rail, length: 2 m, delivered with 4 brackets	**FZ890N**
suspension brackets for wall fixing rails FZ890N	**FZ799N**

FZ890N

Strain relief rails

- to mount on lower / upper part of surface
  enclosures

Description	Cat. ref.
strain relief rails, length: 140 mm, profile C 25 x 10 mm, slot 11 mm	**U850S**

U850S

Mounting plates

- with depth adjustment

Description	Cat. ref.
mounting plates h.115 x w.210 mm x thick. 2.5mm, lowering 29 mm	**UT26A**
mounting plates h.215 x w.210 mm x thick. 2.5, lowering 29 mm	**UT26B**

UT26B

▌ = 17.5 mm width module
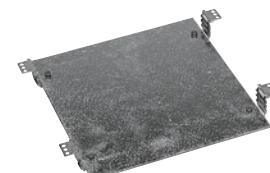
Locks

- with 2 keys, to replace the original lock

FZ597N

Description	Cat. ref.
locks	**FZ597N**

Sealing caps

FZ821N

Description	Cat. ref.
without closing system, only cap	**FZ226**
with cap, male square 8 mm centre, plastic	**FZ821N**
with cap, male square 6 mm centre, metal	**FZ822N**
with slot, plastic	**FZ823N**
with lock cylinder	**FZ824N**

Rails, depth adjustable and insulated

- 7.5 mm height DIN rail

UT22B

Description	Cat. ref.
1 span, lowering up to 21mm	**UT22C**
1 span, lowering up to 31mm	**UT22B**
1 span, lowering up to 32mm	**U82A**

Diagram holders

FZ794

Description	Pack qty	Cat. ref.
flexible, A4 format, self adhesive to stick inside the doors	10	**FZ794**
rigid, A4 format, made of metal sheet, delivered with fixing screws (from door height 800 mm and width 550 mm)	1	**FZ707**

Touch up paint

Description	Cat. ref.
for final touch colour RAL 9010 (pure white)	**FZ791N**

Blanking stripes

- to blank opening
- 9 mm pre-cut,
- RAL 9010 (pure white)

ZZ34S

Description	Pack qty	Cat. ref.
blanking stripes, length 221mm	10	**S35S**
blanking stripes, length 221mm, lockable	10	**ZZ34S**

Identifier stripes

- to stick on protection plates,
- delivered with label
- 1set = 12 pieces

UZ005

Description	Cat. ref.
identifier stripes, 1 span	**UZ005**
identifier labels to insert in UZ005 identifier stripe (1 sheet = 12 labels)	**UZ006**

▌ = 17.5 mm width module

Marking systems

- sheet "circuits caption" to stick on the inner side of the door
- 1 set = 10 pieces

Description	Cat. ref.
marking systems	**VZ717**

VZ717

Marking strips

- 1 set = 10 pieces

Description	Cat. ref.
transparent stripe with 14 modules length label	**VZ602**

VZ602

Connection assemblies

Description	Cat. ref.
for **quick**connect	**UZ00K1**

UZ00K1

Adapters

Description	Cat. ref.
universal adapters	**KN00A**
level adapters	**UZ00K2**

KN00A

Set of stoppers

- to block opened cable entries

Description	Cat. ref.
set of stoppers	**FZ401**

FZ401

Door shield with handle

- with camlock, IP44

Description	Cat. ref.
door shield with handle	**FZ598N**

FZ598N

Cable entry

Description	Cat. ref.
for top and bottom	**FZ426**
for rear cable entry	**FZ428**

FZ428

Fixing screws for plates

Description	Cat. ref.
spare screws, sealable for plate, 1 piece	**UZ06A1**
spare screws, sealable for plate, 25 pieces	**UZ06A3**

UZ06A1

▌ = 17.5 mm width module

Characteristics

vector security surface mounting boxes associated with a protection device allows to open circuit in case of emergency stop.
The range of boxes is adapted to installations where a remote control of the emergency stop is needed or fire application. The range enables boxes to be completed according to the configuration or fully equipped.

Delivered with

- hinged glass door
- earth brass terminal
- marking strip
- key lock

Technical data

- IP55 and IK07
- class II ▣
- colour: RAL 3020
- DIN rail mounting
- equipment depends on the version
- hammer in option

Glow fire test

IEC 60 695-2-10
IEC 60 695-2-11: 850°C

Complies with

IEC 61947-5-1 and IEC 61947-5-5

VE105A

Box to be equipped

Description	Dimensions H x W x D (mm)	Characteristics	Cat. ref.
1 row, 4 + 2 modules	190 x 165 x 113	- E: 2 x 16 + 2 x 10mm² - cable entry gland size: 2 x M20 + 2 x M25 + 1 x M32	**VE105A**
1 row, 8 + 2 modules	210 x 237 x 114	- E : 2 x 16 + 2 x 10mm² - cable entry gland size: 4 x M20 + 2 x M25 + 1 x M32	**VE109A**

VE105U

Emergency button equipped box

- equipped with mushroom head button, green and red indicator lights

Description	Dimensions H x W x D (mm)	Characteristics	Cat. ref.
1 row, 4 + 2 modules	190 x 165 x 113	- remote control emergency stop - 10A / 230 V AC - 1 NO + 1 NC contact - key release	**VE105U**

Glass breaking hammer

- delivered with chain

Description	Cat.ref.
glass breaking hammer	**VZ198**

consumer units with 100A fixed busbar
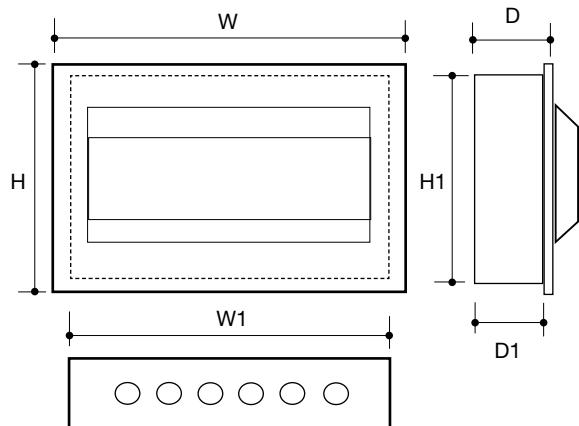
Dimensions (mm)

References	H	W	D	H1	W1	D1
VT04FM	251	234	92	226	208	70
VT06FM	251	270	92	226	244	70
VT08FM	251	306	92	226	280	70
VT10FM	251	342	92	226	316	70
VT12FM	251	378	92	226	352	70
VT16FM	251	450	92	226	424	70
VT04SM	231	214	92	226	208	70
VT06SM	231	250	92	226	244	70
VT08SM	231	286	92	226	280	70
VT10SM	231	322	92	226	316	70
VT12SM	231	358	92	226	352	70
VT16SM	231	430	92	226	424	70

invicta VT
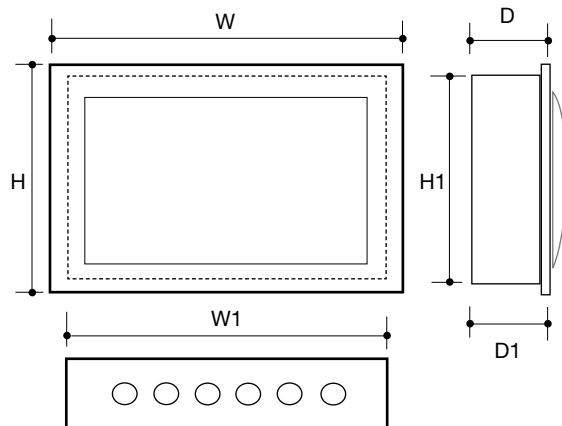
Dimensions (mm)

References (fixed load)	H	W	D	H1	W1	D1
VT04MF/PNF/TF	253	245	93	220	206	80
VT08MF/PNF/TF	253	316	93	220	277	80
VT12MF/PNF/TF	253	387	93	220	348	80
VT16MF/PNF/TF	253	458	93	220	420	80
VT20MF/PNF/TF	253	529	93	220	491	80
VT04MS/PNS/TS	253	245	93	250	242	80
VT08MS/PNS/TS	253	316	93	250	313	80
VT12MS/PNS/TS	253	387	93	250	384	80
VT16MS/PNS/TS	253	458	93	250	456	80
VT20MS/PNS/TS	253	529	93	220	527	80

invicta DR
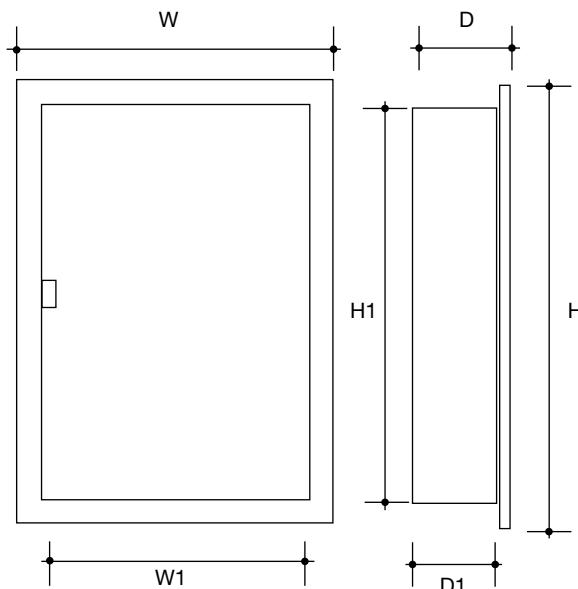
Dimensions (mm)

References (flush)	H	W	D	H1	W1	D1
DR16F/FT	350	430	110	320	400	110
DR32F/FT	500	430	110	470	400	110
DR48F/FT	650	430	110	620	400	110
DR64F/FT	800	430	110	770	400	110
DR80F/FT	950	430	110	920	400	110
DR96F/FT	1100	430	110	1070	400	110
DR12FT	350	430	110	320	400	110
DR24FT	500	430	110	470	400	110
DR36FT	650	430	110	470	400	110

References (surface)	H	W	D	H1	W1	D1
DR16S/ST	325	405	110	320	400	110
DR32S/ST	475	405	110	470	400	110
DR48S/ST	625	405	110	620	400	110
DR64S/ST	775	405	110	770	400	110
DR80S/ST	925	405	110	920	400	110
DR96S/ST	1075	405	110	1070	400	110
DR12ST	325	405	110	320	400	110
DR24ST	475	405	110	470	400	110
DR36ST	625	405	110	470	400	110

mini gamma
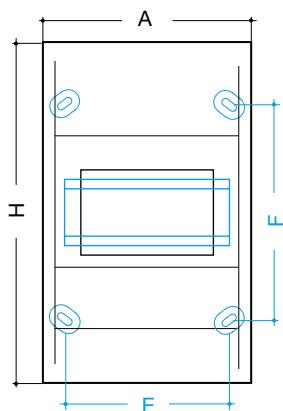
Dimensions (mm)

References	Dimensions			Fixing centers	
	A	H	depth	E	F
GD102E	55	160	82	-	-
GD104E	110	180	82	86	114
GD106E	146	180	82	124	114
GD108E	182	180	82	158	114
GD110E	218	180	82	194	114

gamma 13
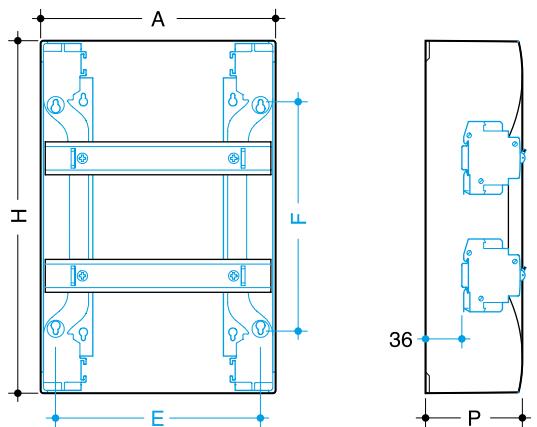
Dimensions (mm)

References	Dimensions			Fixing centers	
	A	H	P	E	F
GD113A	250	250	103	180	177
GD213A	250	375	103	180	302
GD313A	250	500	103	180	427
GD413A	250	625	103	180	552

Note: allow 28mm extra in width for door opening.

gamma 18
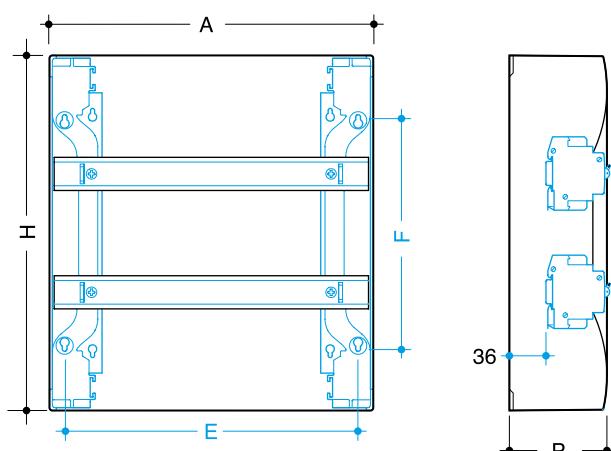
Dimensions (mm)

References	Dimensions			Fixing centers	
	A	H	P	E	F
GD118A	355	250	103	285	177
GD218A	355	375	103	285	302
GD318A	355	500	103	285	427
GD418A	355	625	103	285	552

Note: allow 28mm extra in width for door opening.

Cable entries

Top/bottom
- cable entries knockout-type
- 40mm diameter pre-cuts on the other side
- the wall box is 180° turnable

Side
- one knockout Ø 25 mm on the left and right side, in the upper and lower connection space

Back
- knockouts are foreseen on the back wallbox

VR108, VR112 and VR118
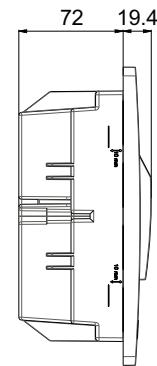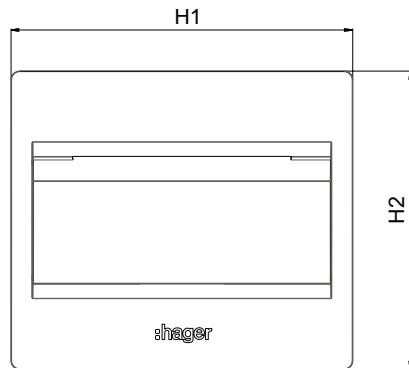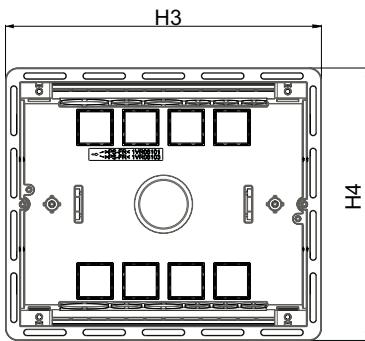
Reference		Dimensions in mm			
		Frame		Wall niche	
		H1	H2	H3	H4
VR108	1 row 8 modules	236	206	218	188
VR112	1 row 12 modules	308	226	290	208
VR118	1 row 18 modules	416	226	398	208

VR212
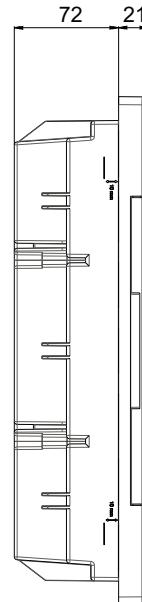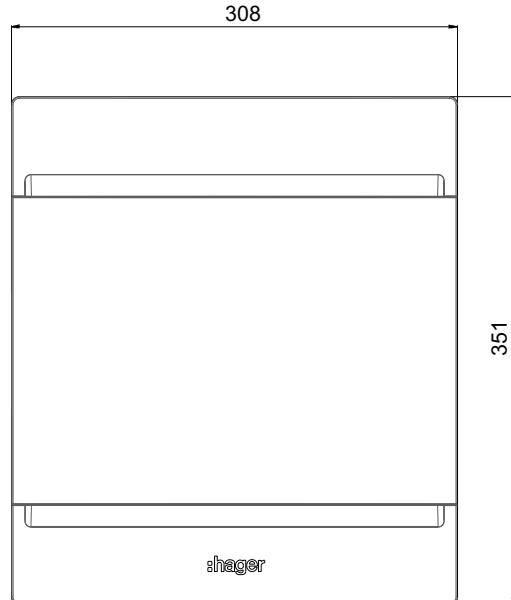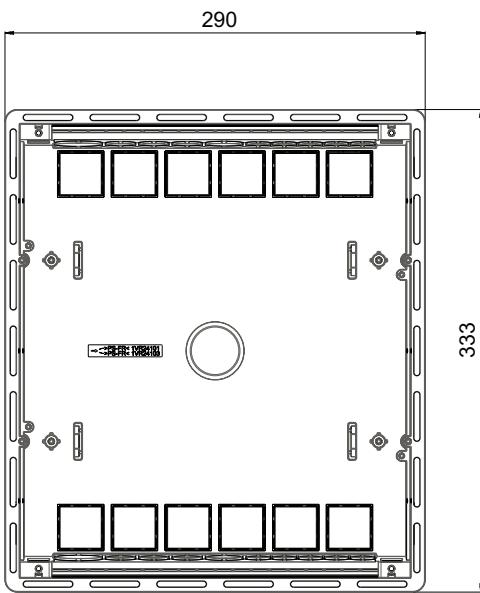
Cable entries

Top/bottom
Both sides cable entry, knockout-type, for cable, conduit or trunking.
Cable ties can be fixed wherever needed on the backplate.

VD101 to VD104
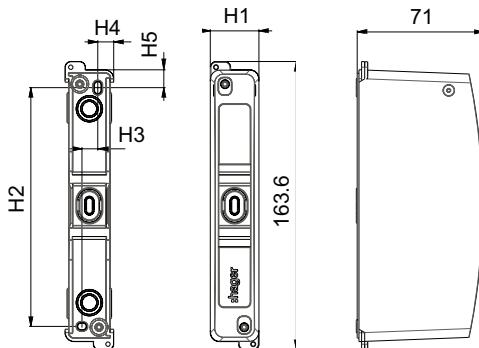
Reference		Dimensions in mm				
		H1	H2	H3	H4	H5
VD101	1 row 1	27.5	135.5	9	9	10
VD102	1 rangée 2	45.5	135.5	26	9	10
VD103	1 rangée 3	63.5	126	35.5	15	12.5
VD104	1 rangée 4	81,5	125	52.7	16	13

VD106 to VD212
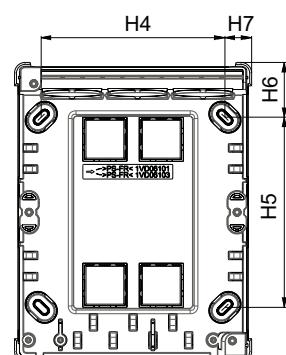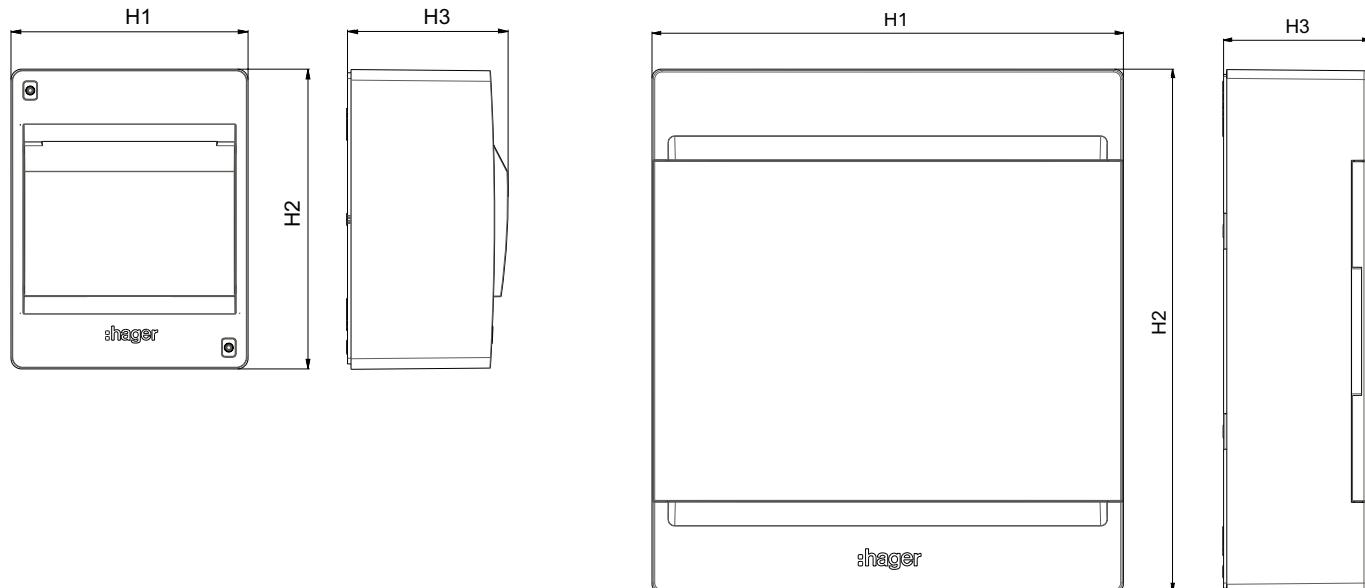
Reference		Dimensions en mm						
		H1	H2	H3	H4	H5	H6	H7
VD106	1 row 6	134.5	170	91	104	108	31	15
VD108	1 row 8	170.5	170	91	139.5	107	31.5	15.5
VD110	1 row 10	206.5	170	91	176	107	32	15
VD112	1 row 12	292.5	200	91	262.5	137	32	15
VD118	1 row 18	400	200	91	371.5	131.5	34	14.5
VD212	2 rows 24	294	326.5	92.5	262	262	32.5	16

golf, flush version

Cable entries

- top/bottom
One side cable entry slide, knockout-type, (VF104... and VF108...). The other side pre cuts with diameters 20mm, 25mm, 32mm and 40 mm the wall box is 180° turnable (slider can be placed at top or bottom).
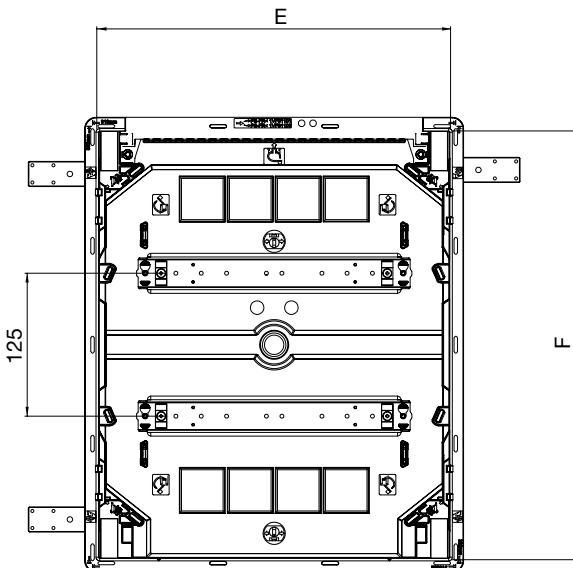
- side
Each knockout Ø 25mm on the left and right in the upper and lower connection space.

2 rows, knockouts Ø 25mm on the left and right between the device rows. (no knockouts at 4 and 8 module enclosures).

Dimensions (mm)

References		Dimensions					
		Frame			Wall niche		
		W	H	D	E	F	G
VF104...	1 row 4 ▮	204	225	98	170	189	72
VF108...	2 row 8 ▮	275	225	98	242	189	72
VF112...	1 row 12 ▮	352	293	98	318	257	72
VF212...	2 row 12 ▮	352	418	98	318	382	72
VF312...	3 row 12 ▮	352	543	98	318	507	72
VF412...	4 row 12 ▮	352	688	98	318	652	72
VF118...	1 row 18 ▮	460	293	98	426	257	72
VF218...	2 row 18 ▮	460	418	98	426	382	72
VF318...	3 row 18 ▮	460	543	98	426	507	72
VF418...	4 row 18 ▮	460	688	98	426	652	72
VF122..	1 row 22 ▮	532	293	98	498	257	72

For the wall niche, these dimensions are minimal.
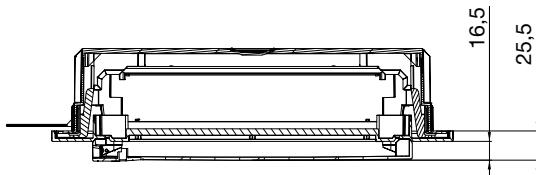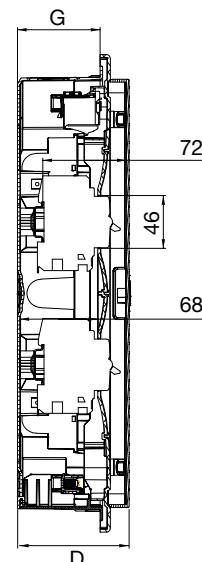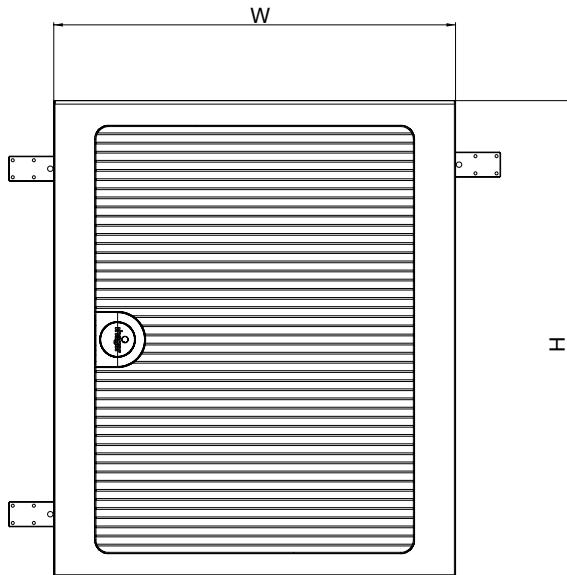
golf, surface version
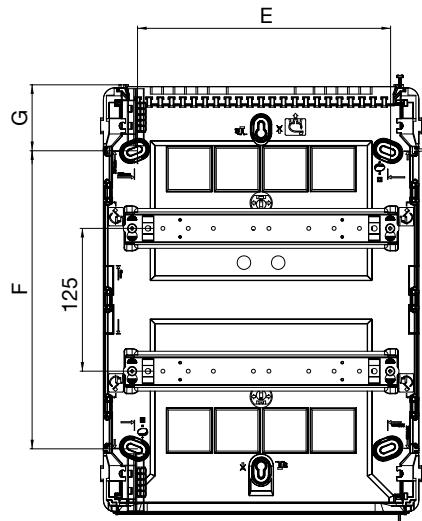
Dimensions (mm)

References		Dimensions		Wall fixation		
		A	H	E	F	G
VS104...	1 row 4 ▮	137.5	183.5	101	68	58
VS108...	2 row 8 ▮	209.5	183.5	173.5	68	58
VS112...	1 row 12 ▮	281.5	251.5	221.5	135.5	58
VS212...	2 row 12 ▮	281.5	376.5	221.5	260.5	58
VS312...	3 row 12 ▮	281.5	500	221.5	385.5	58
VS412...	4 row 12 ▮	281.5	646.5	221.5	491	78
VS118...	1 row 18 ▮	389.5	251.5	329.5	135.5	58
VS218...	2 row 18 ▮	389.5	376.5	329.5	260.5	58
VS318...	3 row 18 ▮	389.5	500	329.5	385.5	58
VS418...	4 row 18 ▮	389.5	646.5	329.5	491	78
VS122...	1 row 22 ▮	461.5	251.5	401.5	135.5	58
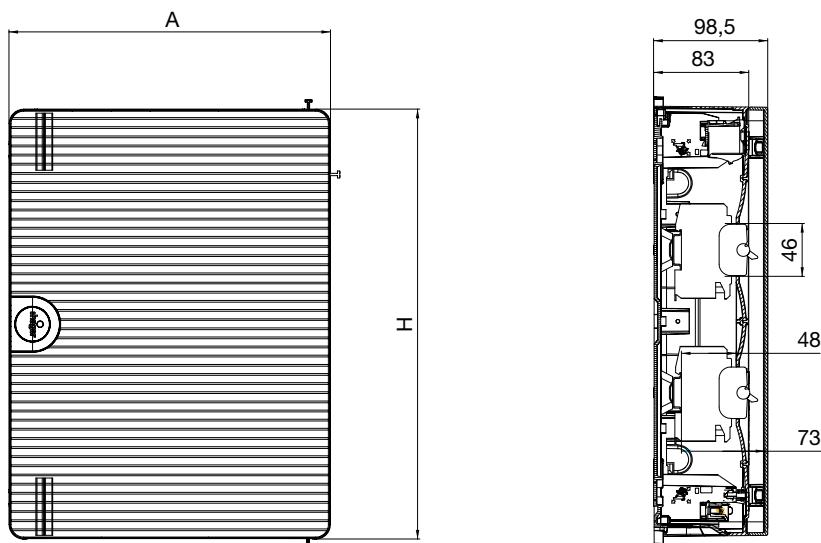
gala

VA24D - 2 rows 24 modules
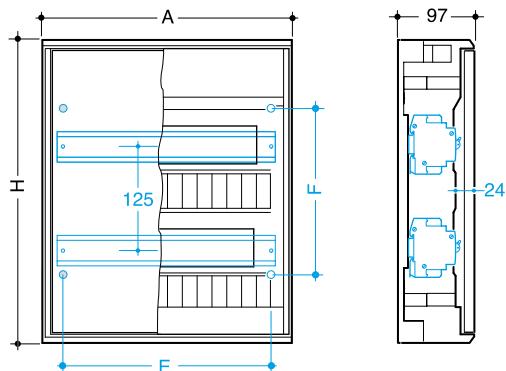
Dimensions (mm)

References			Dimensions		Fixing centers	
			A	H	E	F
VA12D	12	1 row	305	245	270	91
VA24D	24	2 rows	305	370	270	216
VA36D	36	3 rows	305	515	270	331
VA48D	48	4 rows	305	640	270	456

vega

VB118, VB218, VB318, VB418
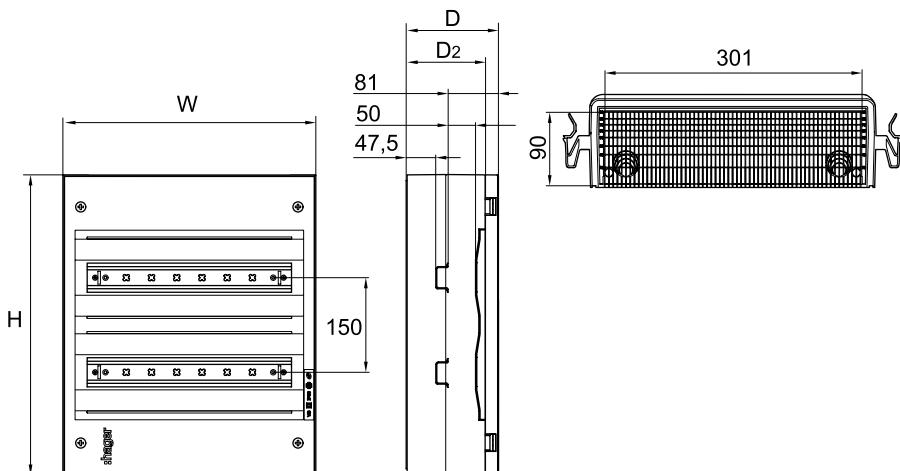
Dimensions (mm)

References			Dimensions		Fixing centers	
			H	W	D	D_2
VB118	18	1 row	325	400	146	126
VB218	36	2 rows	475	400	146	126
VB318	54	3 rows	625	400	146	126
VB418	72	4 rows	775	400	146	126

Dimensions (mm)

H3=348mm
H4=288mm
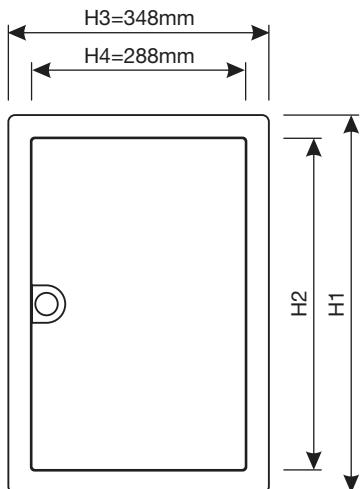
	H1	H2
VU12	356.5	298.5
VU24	505.5	445.5
VU36	630.5	570.5
VU48	755.5	695.5
VU60	880.5	820.5

H8=330mm
H9=240mm
H10=218mm
H11=151mm
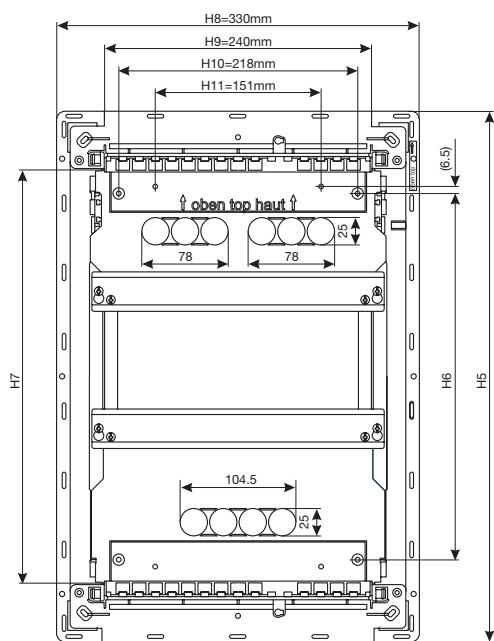
	H5	H6	H7
VU12	335	185	224
VU24	484	334	373
VU36	609	469	498
VU48	734	584	623
VU60	859	709	748

H21=314,5mm
H22=44mm
H25=9mm

H17=89mm
H18=40mm

74.5 mm between mounting rail and door inside

80.5 mm between mounting plate and door inside

91.5 mm between the back wall and the door inside
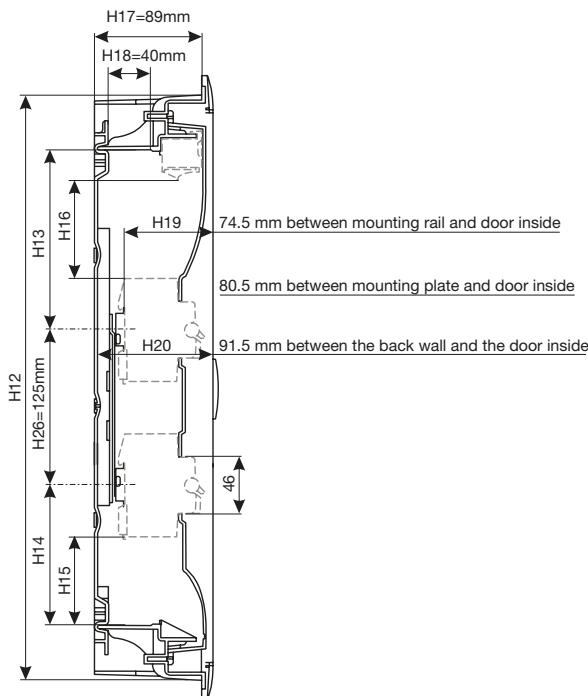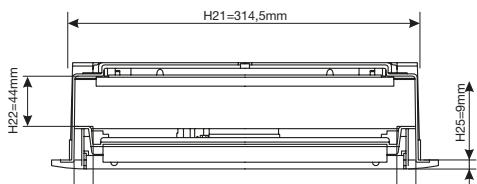
	H12	H13	H14	H15	H16
VU12	321	130	104	56	64
VU24	470	144	114	66	79
VU36	595	144	114	66	79
VU48	720	144	114	66	79
VU60	845	144	114	66	79

|	Description
H1	Overall height of the frame
H2	Internal height of the frame
H3	Overall width of the frame
H4	Internal width of the frame
H5	Overall height of the wall box
H6	Height distance from rear mounting holes
H7	Internal height of the wall box
H8	Overall width of the wall box
H9	Width of the cable entry slide opening
H10	Width distance from rear mounting holes
H11	Width spacing of mounting holes (for example, sheet metal bracket or similar)
H12	Height of the hollow wall cutout
H13	Upper wiring space according to DIN 43871
H14	Lower wiring space according to DIN 43871
H15	Lower wiring space with integrated modular devices
H16	Upper wiring space with integrated modular devices
H17	Installation in depth of the wall box for hollow wall
H18	Maximum cable entry passing-through dimension
H19	Distance between mounting rail and door
H20	Distance between back plate and door
H21	Width of the hollow wall cutout
H22	Height of the lateral wiring space
H23	Width of the side wiring space
H24	Internal width of the wall box
H25	Thickness of the frame
H26	Mounting rail

VE212F - 2 rows 24 modules
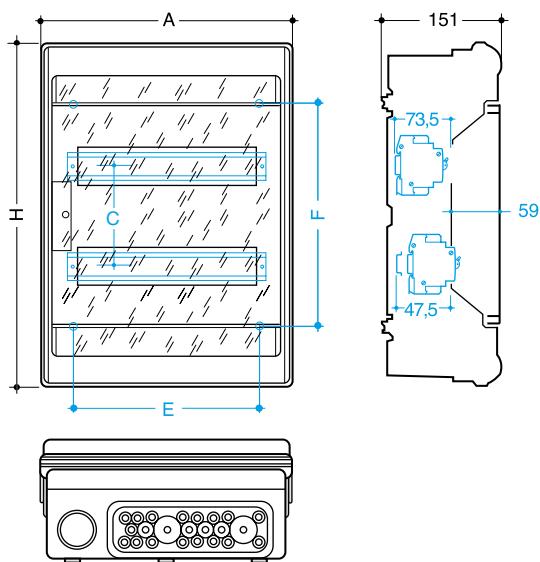
Dimensions (mm)

| References		No. of rows	Enclosure dimension		Fixing centres		DIN rails centre distance
			A	H	E	F	C
VE103F or PN	3	1	111	175	-	147	125
VE106F or PN	6	1	165	190	108	158	
VE110F or PN	10	1	237	210	180	173	
VE112F or PN	12	1	310	302	230	155	
VE212F or PN	24	2	310	427	230	280	
VE312F or PN	36	3	310	552	230	405	
VE412F or PN	48	4	310	677	230	550	
VE118F or PN	18	1	418	302	338	155	150
VE218F or PN	36	2	418	452	338	305	
VE318F or PN	54	3	418	602	338	455	

Connection assembly

Mounting on insulating support at both end of the chassis additional connection assembly: VZ403 or VZ428
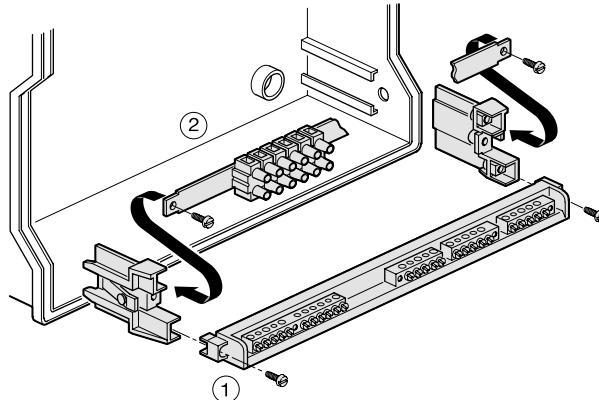
References	Cable glands	Side knockout PG
VE103F or PN	2 x M20	-
VE106F or PN	1 x M20 + 1 x M25 + 1 x M20/32	2 x 16
VE110F or PN	1 x M20/32 + 1 x M25 + 3 x M20	2 x 16
VE112F or PN	2 x M20/32/40 + 2 x M25/32 + 3 x M25 + 6 x M20	2 x 21
VE212F or PN	1 x M20/40/50 + 2 x M20/32 + 12 x M25 + 2 x M20	2 x 21
VE312F or PN	2 x M20/32/40 + 2 x M25/32 + 3 x M25 + 6 x M20	3 x 21
VE412F or PN	1 x M20/40/50 + 2 x M20/32 + 12 x M25 + 2 x M20	3 x 21
VE118F or PN	2 x M20/32/40 + 2 x M25/32 + 3 x M25 + 6 x M20	4 x 21
VE218F or PN	1 x M20/40/50 + 2 x M20/32 + 12 x M25 + 2 x M20	4 x 21
VE318F or PN	2 x M20/32/40 + 2 x M25/32 + 3 x M25 + 6 x M20	5 x 21

Surface version
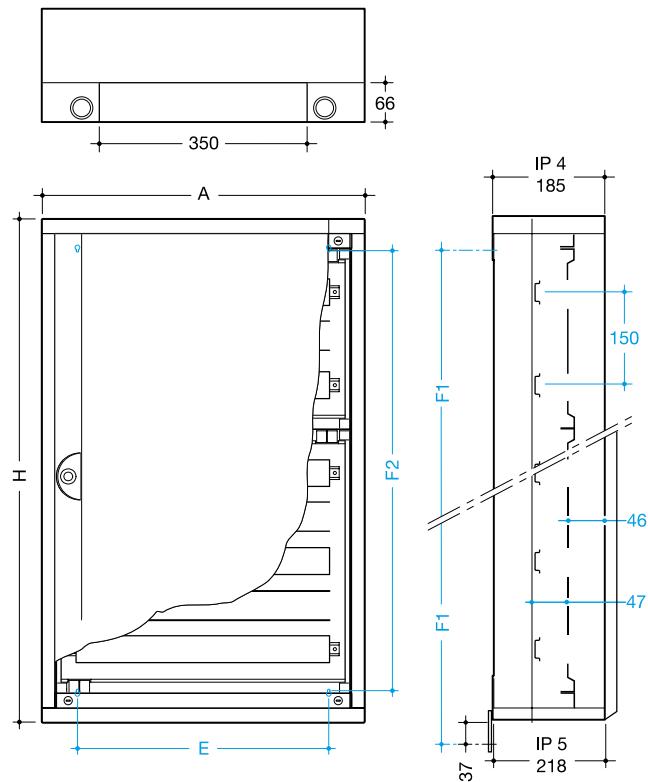
Flush version
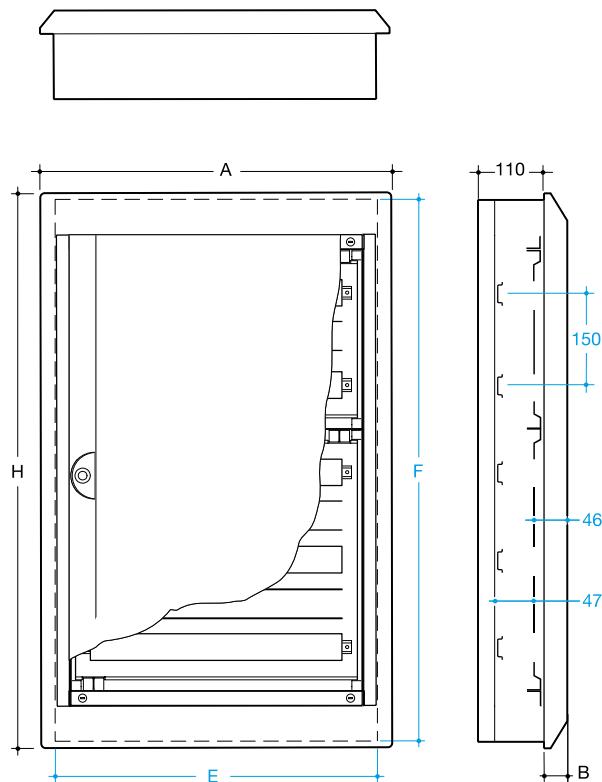
* version FUx2AN only

Dimensions (mm)

Surface version

References		Dimensions of box		Fixing		
		A	H	E	F1	F2
FD22AN/GN	FD22DN	550	450	350	325	245
FD32AN/GN	FD32DN	550	600	350	475	395
FD42AN/GN	FD42DN	550	750	350	625	545
FD52AN/GN	FD52DN	550	900	350	775	695
FD62AN/GN	FD62DN	550	1050	350	925	845
FD72AN/GN	FD72DN	550	1200	350	1075	995

Flush version

References	Dimensions external frame			Wall niche	
	A	H	B	E	F
FU22DN	600	537	40	550	506
FU32DN	600	687	40	550	656
FU42DN	600	837	40	550	806
FU52DN	600	987	40	550	956
FU62DN	600	1137	40	550	1106
FU72DN	600	1287	40	550	1256
FU22AN/GN	600	537	72	550	506
FU32AN/GN	600	687	72	550	656
FU42AN/GN	600	837	72	550	806
FU52AN/GN	600	987	72	550	956
FU62AN/GN	600	1137	72	550	1106
FU72AN/GN	600	1287	72	550	1256

vega D enclosures

Weatherproof

FV52A - 5 rows 120 ▮
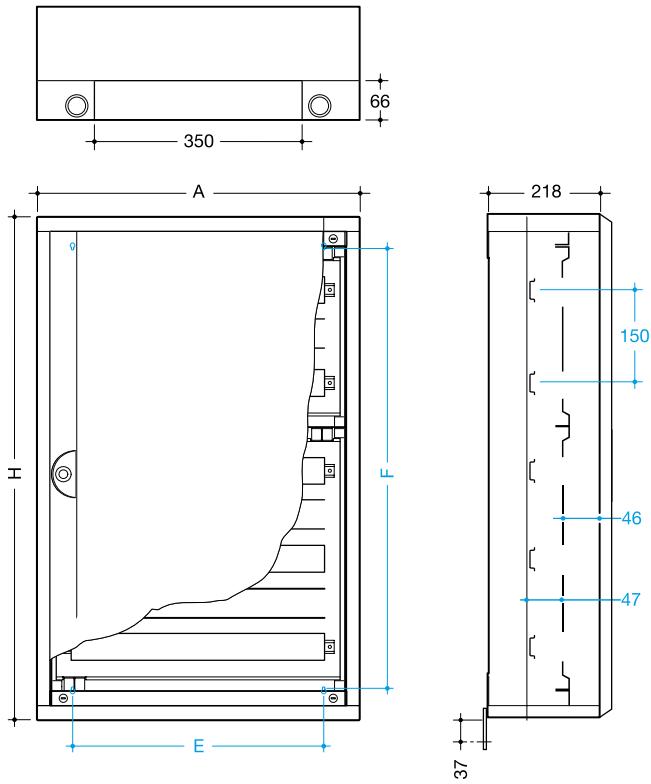
Dimensions (mm)

References	Enclosure dimension		Fixing		Number of			
	A	H	E	F	rows	mod.	doors	lock
FV22A	550	500	405	574	-	-	1	1
FV32A	550	650	405	724	+1	24	1	1
FV42A	550	800	405	874	+2	48	1	1
FV52A	550	950	405	1024	+3	72	1	1
FV62A	550	1100	405	1174	+4	96	1	1
FV72A	550	1250	405	1324	+5	120	1	1

General description

Flush mounting enclosures for domestic and commercial electrical distribution.

Included in delivery:
- enclosures with door,
- carrier rails with complete board,
- device covers with 46mm slots, with complete board,
- comes fitted with **quick**connect terminals in complete boards or with brass terminals (according to the versions)

Complies with Standards
IEC 60 439-3

Nominal voltage
AC 400V / 50Hz

Current rating
for devices up to 125A

Protection class
II (insulation protected) ▣

IP rating
IP30

Protection details
Protection against direct contact: IP3X behind the door
Protection with indirect contact: insulation protection

Door
Frontal fastening, with internal hinges, all adjustable, removable without tools, can be mounted on right or left, width from 800mm double door, opening angle 110°.

Door lock
Twist release lock, exchangeable with other locks, 3 point bar locks on double door cabinet.

quickconnect terminals
built in per field to every complete board **quick**connect

Colour
RAL 9010 (pure white)

Cable entries
Cable entry plates top and bottom made of plastic to feed in the cable from the front.

Material
Housing and door made of steel, powder coated.

Carrier rails
Steel, powder coated.

Supports
Plastic

Device rails
Steel, galvanised

Covers and knockouts
Plastic

Glow wire test for plastic parts
IEC 60 695-2-10
IEC 60 695-2-11: 850°C

	Height (mm)	Width (mm)	Depth (mm)	DIN rails (12 mod.)	Fields across	Nr of modules	IP class (standard)	PE/N terminals (per field)
FW31US2/UG2	500	300	110	3	1	36	IP30	2x(4x25mm² + 14x4mm²)
FW32US2/UG2	500	550	110	3	2	72	IP30	2x(4x25mm² + 14x4mm²)
FW33US2/UG2	500	1050	110	3	3	108	IP30	2x(4x25mm² + 14x4mm²)
FW41US2/UG2	650	300	110	4	1	48	IP30	2x(5x25mm² + 17x4mm²)
FW42US2/UG2	650	550	110	4	2	96	IP30	2x(5x25mm² + 17x4mm²)
FW43US2/UG2	650	1050	110	4	3	144	IP30	2x(5x25mm² + 17x4mm²)
FW51US2/UG2	800	300	110	5	1	60	IP30	2x(6x25mm² + 20x4mm²)
FW52US2/UG2	800	550	110	5	2	120	IP30	2x(6x25mm² + 20x4mm²)
FW53US2/UG2	800	800	110	5	3	180	IP30	2x(6x25mm² + 20x4mm²)
FW54US2/UG2	800	1050	110	5	4	240	IP30	2x(6x25mm² + 20x4mm²)
FW61US2/UG2	950	300	110	6	1	72	IP30	2x(6x25mm² + 20x4mm²)
FW62US2/UG2	950	550	110	6	2	144	IP30	2x(6x25mm² + 20x4mm²)
FW63US2/UG2	950	800	110	6	3	216	IP30	2x(6x25mm² + 20x4mm²)
FW64US2/UG2	950	1050	110	6	4	288	IP30	2x(6x25mm² + 20x4mm²)
FW71US2/UG2	1100	300	110	7	1	84	IP30	2x(6x25mm² + 20x4mm²)
FW72US2/UG2	1100	550	110	7	2	168	IP30	2x(6x25mm² + 20x4mm²)
FW73US2/UG2	1100	1050	110	7	3	252	IP30	2x(6x25mm² + 20x4mm²)

FW flush enclosures, depth 110mm

Dimensions (mm)
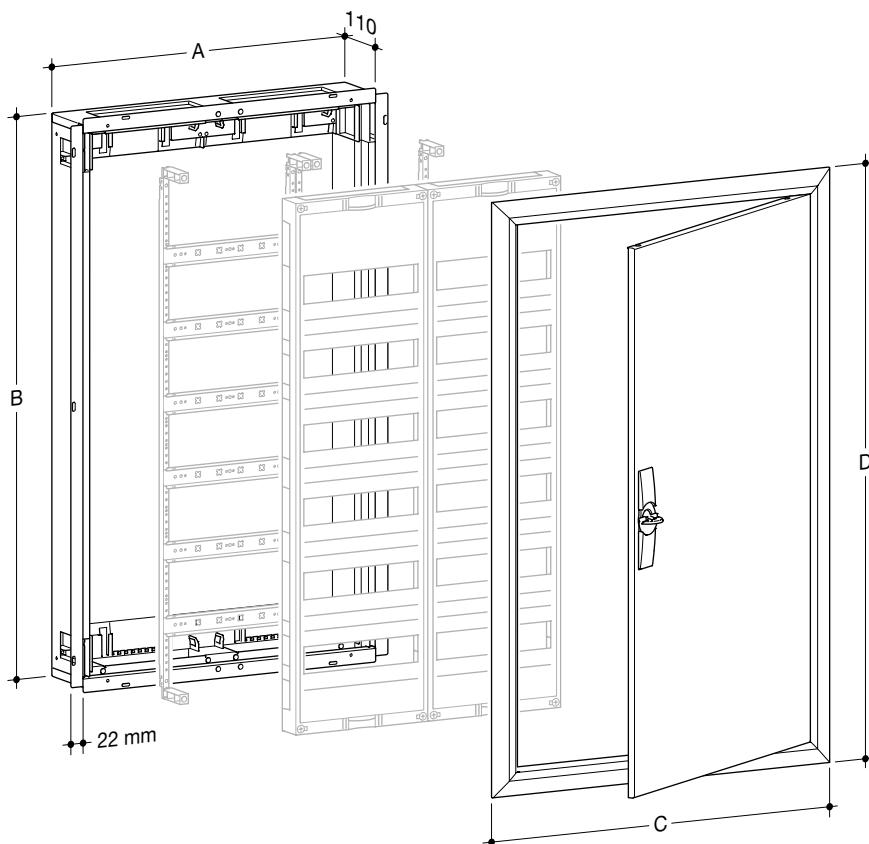
References	Recess dimension		Dimension incl. trimming frame	
	A	**B**	**C**	**D**
FW31US2	305	502	353	553
FW32US2	555	502	603	553
FW33US2	805	502	853	553
FW41US2	305	652	353	703
FW42US2	555	652	603	703
FW43US2	805	652	853	703
FW51US2	305	802	353	853
FW52US2	555	802	603	853
FW53US2	805	802	853	853
FW54US2	1055	802	1103	853
FW61US2	305	952	353	1003
FW62US2	555	952	603	1003
FW63US2	805	952	853	1003
FW64US2	1055	952	1103	1003
FW71US2	305	1102	353	1153
FW72US2	555	1102	603	1153
FW73US2	805	1102	853	1153
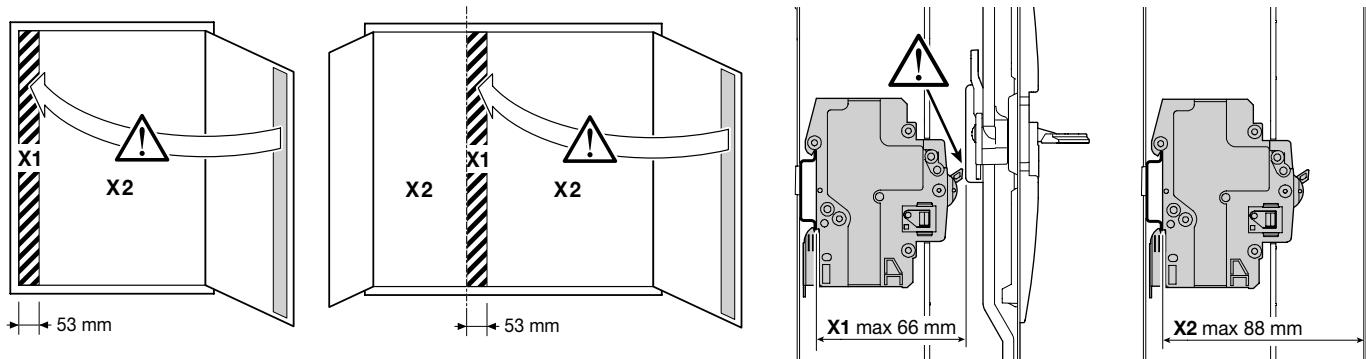
General description

Surface mounting enclosures for domestic and commercial electrical distribution.

Included in delivery
- enclosures with door,
- carrier rails with complete board,
- device covers with 46mm slots, with complete board,

Complies with
IEC 61 439-3

Nominal voltage
AC 230/400V, 50Hz

Current rating
for devices up to 125A

Protection class
II (insulation protected) ▣

IP rating
IP44

Protection details
Protection against direct contact: IP3X behind the door
Protection with indirect contact: insulation protection

Door
Frontal fastening, with internal hinges, all adjustable, removable without tools, optionnally attachable on right or left, width from 800mm double door, opening angle 110°.

Door lock
Twist release lock, exchangeable with other locks, 3 point bar locks on double door cabinet.

quickconnect **terminals or brass terminals (according to the versions)**
Please contact us.

Colour
RAL 9010 (pure white)

Cable entries
Cable entry plates top and bottom made of plastic to feed in the cable from the front.

Material
Housing and door made of steel, powder coated.

Carrier rails
Steel, powder coated.

Supports
Plastic

Device rails
Steel, galvanised

Covers and knockouts
Plastic

Glow wire test for plastic parts
IEC 60 695-2-10
IEC 60 695-2-11: 750°C

	Height (mm)	Width (mm)	Depth (mm)	DIN rails (12 mod.)	Fields across	Nr of modules	IP class (standard)	PE/N terminals (per field)
FWB31S/GS	500	300	160	3	1	36	IP44	2x(4x25mm² + 14x4mm²)
FWB32S/GS	500	550	160	3	2	72	IP44	2x(4x25mm² + 14x4mm²)
FWB33S/GS	500	800	160	3	3	108	IP44	2x(4x25mm² + 14x4mm²)
FWB34S/GS	500	1050	160	3	4	144	IP44	2x(4x25mm² + 14x4mm²)
FWB41S/GS	650	300	160	4	1	48	IP44	2x(5x25mm² + 17x4mm²)
FWB42S/GS	650	550	160	4	2	96	IP44	2x(5x25mm² + 17x4mm²)
FWB43S/GS	650	800	160	4	3	144	IP44	2x(5x25mm² + 17x4mm²)
FWB44S/GS	650	1050	160	4	4	192	IP44	2x(5x25mm² + 17x4mm²)
FWB51S/GS	800	300	160	5	1	60	IP44	2x(6x25mm² + 20x4mm²)
FWB52S/GS	800	550	160	5	2	120	IP44	2x(6x25mm² + 20x4mm²)
FWB53S/GS	800	800	160	5	3	180	IP44	2x(6x25mm² + 20x4mm²)
FWB54S/GS	800	1050	160	5	4	240	IP44	2x(6x25mm² + 20x4mm²)
FWB61S/GS	950	300	160	6	1	72	IP44	2x(6x25mm² + 20x4mm²)
FWB62S/GS	950	550	160	6	2	144	IP44	2x(6x25mm² + 20x4mm²)
FWB63S/GS	950	800	160	6	3	216	IP44	2x(6x25mm² + 20x4mm²)
FWB64S/GS	950	1050	160	6	4	288	IP44	2x(6x25mm² + 20x4mm²)
FWB71S/GS	1100	300	160	7	1	84	IP44	2x(6x25mm² + 20x4mm²)
FWB72S/GS	1100	550	160	7	2	168	IP44	2x(6x25mm² + 20x4mm²)
FWB73S/GS	1100	800	160	7	3	252	IP44	2x(6x25mm² + 20x4mm²)
FWB74S/GS	1100	1050	160	7	4	336	IP44	2x(6x25mm² + 20x4mm²)

FWB surface enclosures
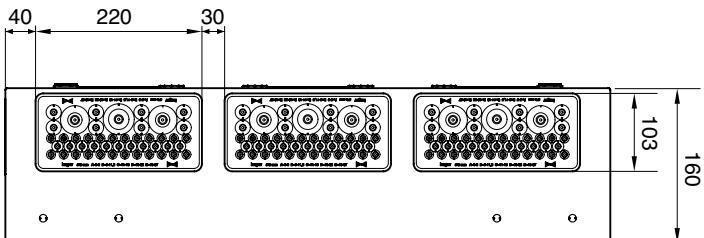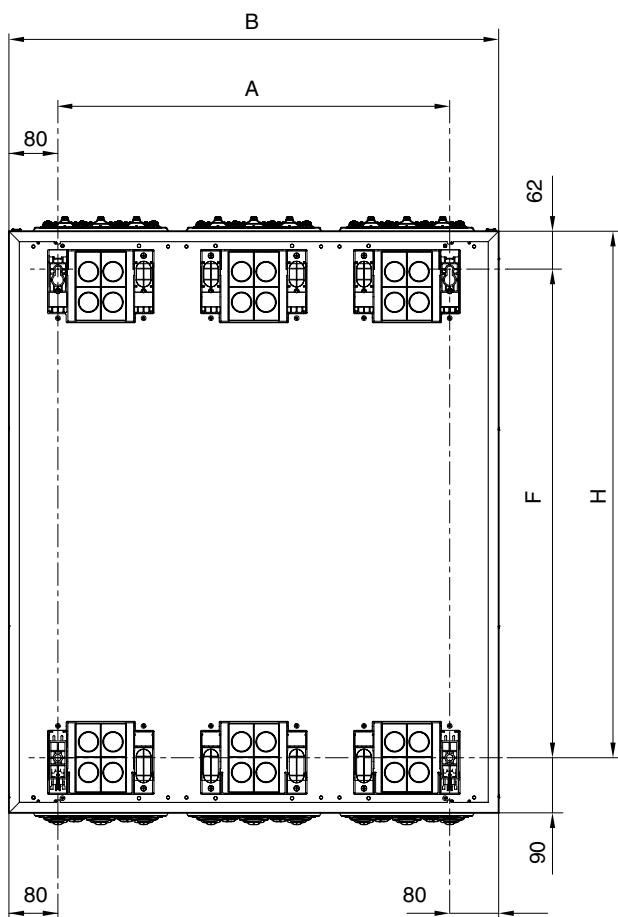
Dimensions (mm)

References	Dimensions			
	H	B	A	F
FWB31S/GS	500	300	348	140
FWB32S/GS	500	550	348	390
FWB33S/GS	500	800	348	640
FWB34S/GS	500	1050	348	890
FWB41S/GS	650	300	498	140
FWB42S/GS	650	550	498	390
FWB43S/GS	650	800	498	640
FWB44S/GS	650	1050	498	890
FWB51S/GS	800	300	648	140
FWB52S/GS	800	550	648	390
FWB53S/GS	800	800	648	640
FWB54S/GS	800	1050	648	890
FWB61S/GS	950	300	798	140
FWB62S/GS	950	550	798	390
FWB63S/GS	950	800	798	640
FWB64S/GS	950	1050	798	890
FWB71S/GS	1100	300	948	140
FWB72S/GS	1100	550	948	390
FWB73S/GS	1100	800	948	640
FWB74S/GS	1100	1050	948	890

vector security
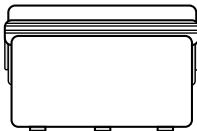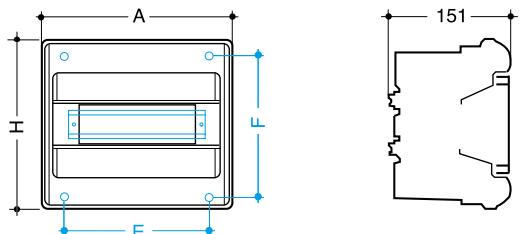
Dimensions (in mm)

References	No. of rows	Enclosure dimension		Fixing centres	
		A	H	E	F
VE105A	6 mod. 1	165	190	108	158
VE109A	10 mod. 1	237	210	180	173

Cable entry gland sizes

Cable gland print			Delivered cable gland
References	Top and bottom prints	Side	
VE105A/U	1 x M20 + 1 x M25 + 1 x M20/32	2 x 16	2 x M20 + 2 x M25 + 1 x M32
VE109A	1 x M20/32 + 1 x M25 + 3 x M20	2 x 16	4 x M20 + 2 x M25 + 1 x M32