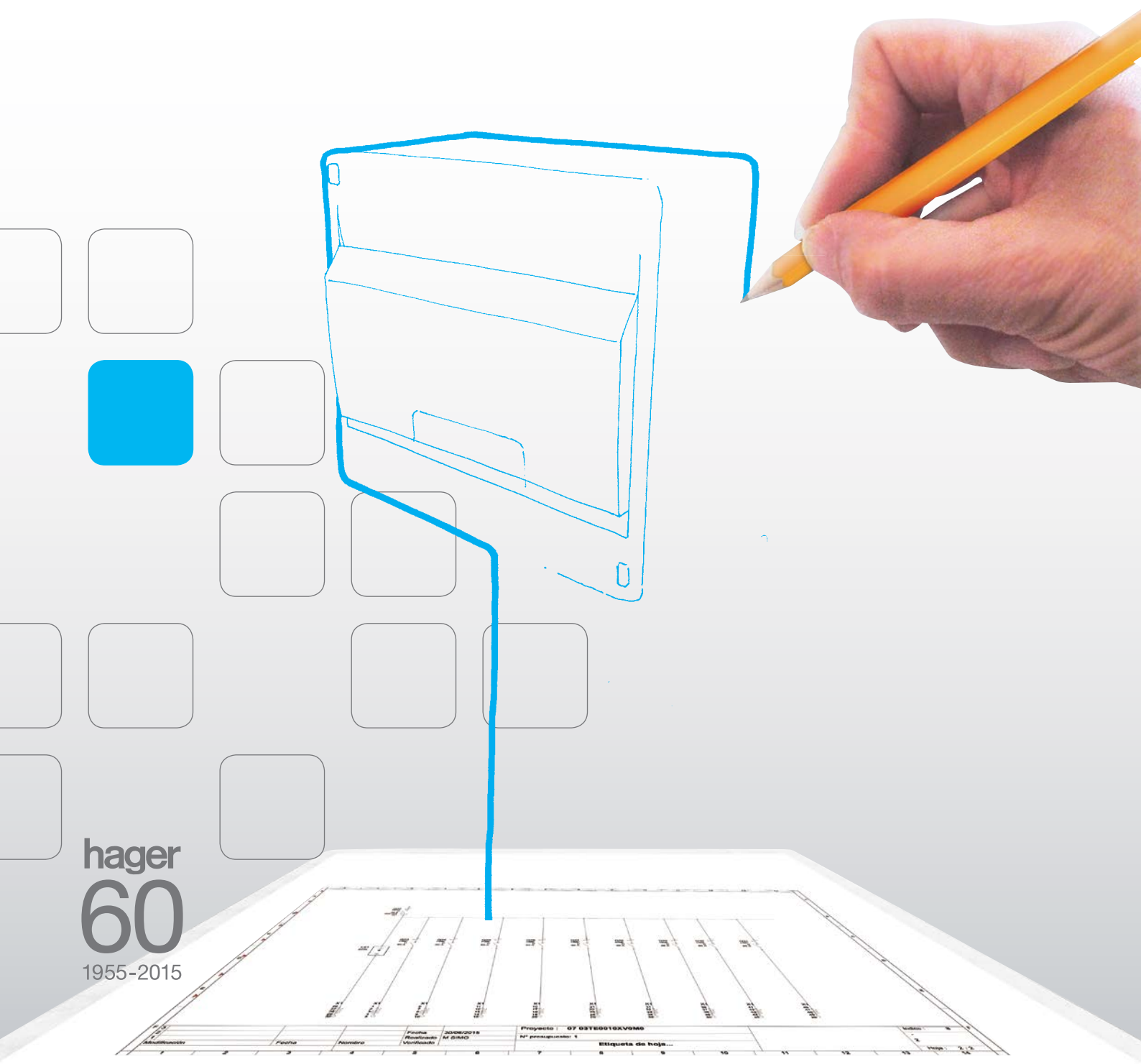


Cosmos, the essential

New Cosmos Enclosures VR and VD series





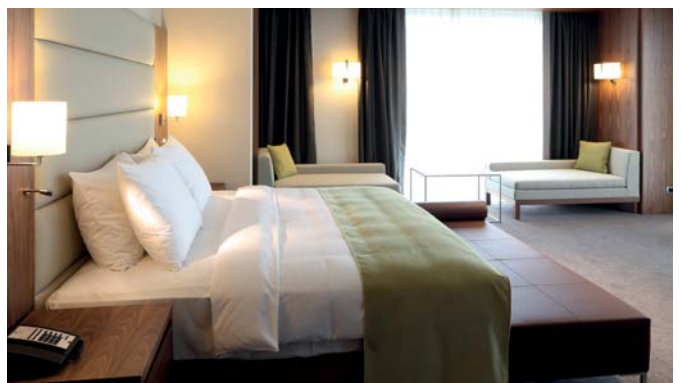
Residential, renovation, small apartments

Residential buildings, small commercial,
geriatric and health care centres

Hotel rooms



...As sub distribution panel



...As terminal panel



nuevo

The good taste of simplicity.

Discover the New Cosmos Enclosures

Simplicity doesn't mean uncomfotability. For the most basic installations your concerns are well defined; don't want to sacrifice a quick and easy wiring job, don't renounce to a stylish design aesthetics.

For these installations you just need an optimized mounting and cable entry positions and simplify installation whilst still remaining pleasing to the eye. The new Cosmos Enclosures make installations blend in with any style and in any atmosphere.

The installation of the system should always be simple and beneficial to all installing contractors, even in the most simple residential buildings, where space could be a critical issue, even in the renovations of ancient and small apartments, whatever the case, contractors deserve a quality solution



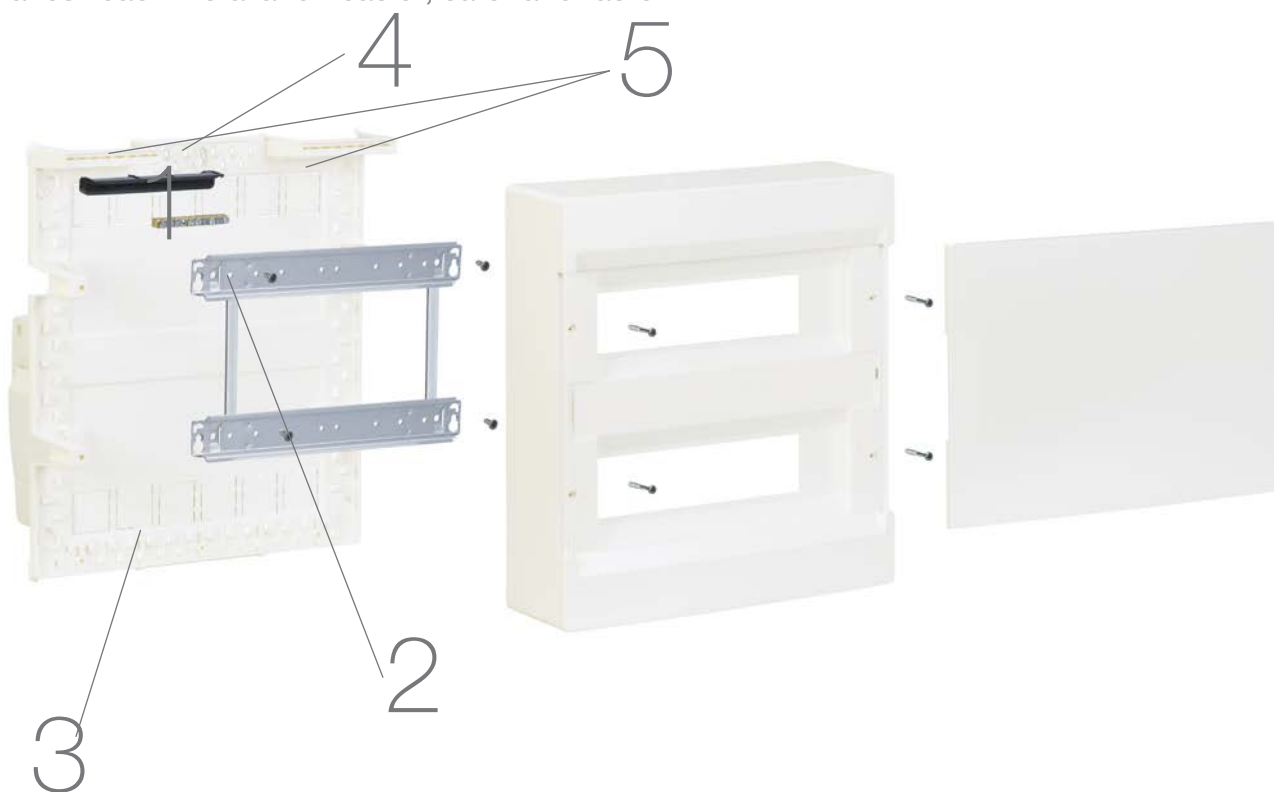
Hager New Cosmos Enclosures

Just what you need, flush mounted and surface

The new Cosmos enclosures range is Hager's residential power distribution and sub distribution perfect solution that ensures you have the essential you need for your next installation in few references.

Even in the most simple residential buildings, where space could be a critical issue, even in the renovations of ancient and small apartments, whatever the case, contractors deserve a quality solution.

And that, both flush mounted and surface, for small distributions up to 63 A fully simple that makes "each installation easier, safer and faster."



The advantages for you :

- A compact solution. Completely adapted to simple installations.
- It contains the essential accessories to ensure an efficient energy distribution.
- Optimised cable entry.
- Quick, easy cable-tie points
- Easily accessible DIN rail key-hole fixation points saves time and trouble.
- Discrete, uncluttered design with no visual waste is non-intrusive.

Technical characteristics :

- Flush mounted distribution boxes 1 row from 1 to 4 modules and from 6 to two rows 24 modules accepting plain or glazed door
- IP rating: IP30 without door, IP40 with door, IK07
- Isolation Class II
- White colour RAL 9010
- Rated insulation: 400 V C.A./50 Hz
- Glow wiring test : 650°C according to UNE 60695-2-products conform to RoHS directives.

Cosmos advantages

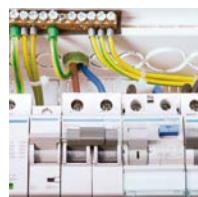
1



A compact solution in few references

Easy and quick selection. This short but complete range shows its versatility in small applications both flush mounted and surface.

4



wide sized knock-outs for cable and conduit entries

2



Easily accessible DIN rail key-hole fixation

This is, for sure, one of the biggest advantages to the speed to wire.

5



The brass terminals can be mounted all along the slot

Wherever you may need.

3



Fixation points for cable ties for clear cable management are included.

6



Possible plaster compensation of DIN rails through special brackets

in case the box is installed too deep inside the wall (maybe covered by plaster)

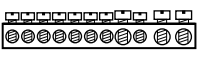




Surface mounted distribution box 1 and 2 rows, from 1 to 4 modules and from 6 up to 24 with opaque or transparent door for devices up to 70 mm installation depth, DIN profile for modular devices 47 mm under the cover. Distance between the DIN profiles 'axis' 125 mm. (for the two row size). Distribution boards manufactured from plastic material. 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 dismantling the cover: optional

lock with keys. Door opens up to 180°. Enclosure can be installed either way up. Cable entries for cable, conduit and trunking.

Components included:





- 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

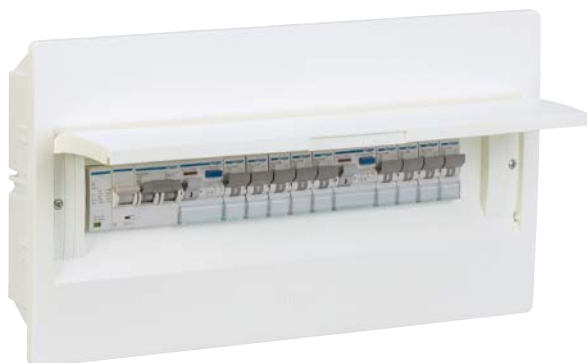
	Description	Brass terminal 	Type of door	Pack	Ref.
 VD101	Cajas de distribución				
	1 row 1			1	VD101xx
	(H x W x D): 163,6 x 27,5 x 71 mm				
	1 row 2			1	VD102xx
	(H x W x D): 163,6 x 45,5 x 71 mm				
	1 row 3			1	VD103xx
	(H x W x D): 163,6 x 63,5 x 71 mm				
	1 row 4			1	VD104xx
	(H x W x D): 163,6 x 81,5 x 71 mm				
 VD108	1 row 6	2 x 10 mm ² + 2 x 16 mm ²	Opaque	1	VD106xx
	(H x W x D): 170 x 134,5 x 91 mm		Transparent	1	VD106xx
	1 row 8	2 x 10 mm ² + 2 x 16 mm ²	Opaque	1	VD108xx
	(H x W x D): 170 x 170,5 x 91 mm		Transparent	1	VD106xx

Technical data:

- IP rating:
IP30 without door IP40 with door
IK07
- Isolation Class II
- White colour RAL 9010
- Rated current:
for devices up to 63 A
- Rated insulation:
400 V a.c./50 Hz
- Glow wiring test: 650°C
according to UNE 60595-2-1

Standards: all the products of the offer conform to IEC 61439-3
All products conform to the ROHS directive.

	Description	Brass terminal 	Type of door	Pack	Ref.
	Cajas de distribución 1 row 10 ■ (H x W x D): 170 x 206,5 x 91 mm	2 x 10 mm ² + 2 x 16 mm ²	Opaque	1	VD110xx
			Transparent	1	VD110xx
VD110	1 row 12 ■ (H x W x D): 200 x 292,5 x 91 mm	4 x 10 mm ² + 3 x 16 mm ²	Opaque	1	VD112xx
			Transparent	1	VD112xx
	1 row 18 ■ (H x W x D): 200 x 400 x 91 mm	4 x 10 mm ² + 3 x 16 mm ²	Opaque	1	VD118xx
			Transparent	1	VD118xx
VD118	2 rows 24 ■ (H x W x D): 294 x 326,5 x 92,5 mm	4 x 10 mm ² + 3 x 16 mm ²	Opaque	1	VD212xx
			Transparent	1	VD212xx
					
VD212					



Flush mounted distribution boxes of 1 and 2 rows, from 8 to 24 modules, 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 material. 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 dismantling the cover; optional lock and keys. Door opens






up to 180°. Wall box and cover can be installed either way up. Removable cable entry slider. Cable entries for cable and conduit.

Components included:

- Brass screw-type terminals
- Pole fillers
- Door protected by a plastic film.
- DIN rails directly fixed to the wall box.

Accessories:

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

	Descripción	Brass terminal 	Type of door	Pack	Ref.
 VR108	1 row 8 (H x W x D) Wall niche 188 x 218 x 72 mm	2 x 10 mm ² + 2 x 16 mm ²	Opaque	1	VR108xx
			Transparent	1	VR104xx
 VR212	1 row 12 (H x W x D) Wall niche 208 x 290 x 72 mm	4 x 10 mm ² + 3 x 16 mm ²	Opaque	1	VR112xx
			Transparent	1	VR112xx
 VR212	1 row 18 (H x W x D) Wall niche 208 x 398 x 72 mm	4 x 10 mm ² + 3 x 16 mm ²	Opaque	1	VR118xx
			Transparent	1	VR118xx
 VR212	2 rows 24 (H x W x D) Wall niche 290 x 333 x 72 mm	4 x 10 mm ² + 3 x 16 mm ²	Opaque	1	VR212xx
			Transparent	1	VR212xx







Technical data:

Standards: all the products of the offer conform to IEC 61439-3
All products conform to the RoHS directives.

- IP rating:
IP30 without door
IP40 with door IK07
- Isolation Class II
- White colour RAL 9010
- Rated current:

- for devices up to 63 A
- Rated insulation:
400 V a.c./50 Hz
- Glow wiring test: 650°C
according to UNE 60595-2-1

New Cosmos include a range 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.

	Descripción	Pack	Referencia	
 VZ924N	Opaque doors (Spare parts) Doors made of plastic material, RAL 9010	For the box		
		VD106	1	VZ910N
		VD108	1	VZ912N
		VR108	1	VZ914N
		VD110	1	VZ916N
		VR/VD112	1	VZ918N
		VR/VD118	1	VZ920N
		VD212	1	VZ922N
VR212	1	VZ924N		
 VZ924N	Transparent doors, (polycarbonate)	VD106	1	VZ909N
		VD108	1	VZ911N
		VR108	1	VZ913N
		VD110	1	VZ915N
		VR/VD112	1	VZ917N
		VR/VD118	1	VZ919N
		VD212	1	VZ921N
		VR212	1	VZ923N
 VZ926N	Lock Supplied with 2 keys	1	VZ926N	
	Hollow wall lever set	4 pieces	VZ927N	
 VZ927N	Brackets set for plaster compensation of DIN rails	4 pieces	VZ925N	
	Class II caps VS	4 pieces	VZ789N	
 VZ925N	Set DIN rails (including screws) (spare part) Screw set VD/VR (spare part)	2 pieces	VZ925N	
	8x cover fixation screws, 4x DIN rail fixation screws	1 set	VZ932N	
 VZ789N				

Cable entries

Top/bottom

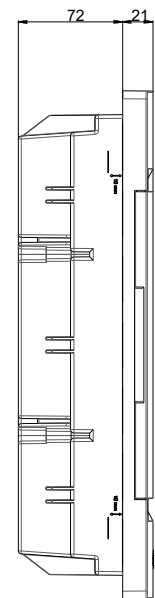
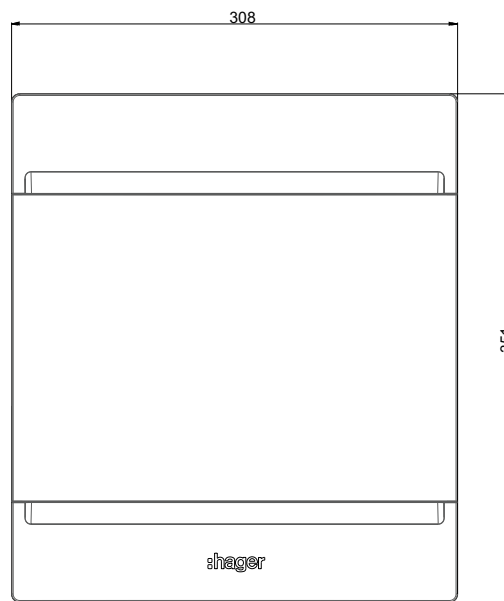
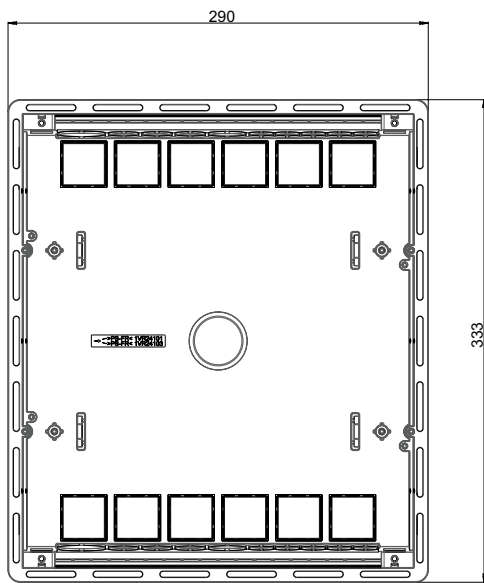
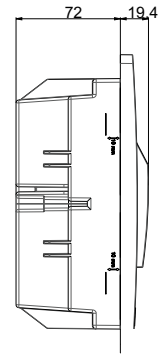
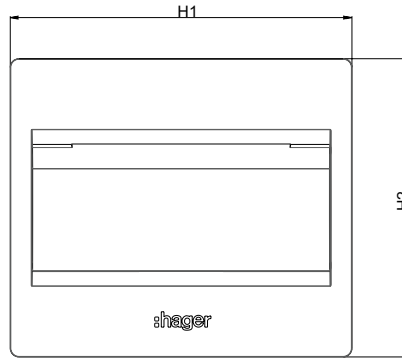
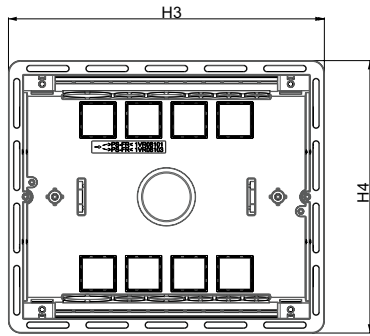
Cable entries knockout-type the other side pre cuts with diameters 40 mm the wall box is 180° turnable

Side

Each one knockout \varnothing 25 mm on the left and right in the upper and lower connection space

Back

Knockouts are foreseen on the back wallbox

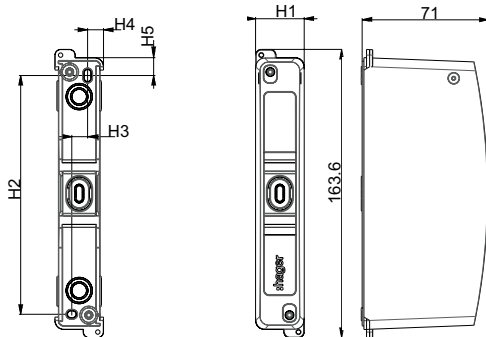


Reference		size // mm			
		Marco		Wall Niche	
		H1	H2	H3	H4
VR108	1 row 8	236	206	218	188
VR112	2 rows 12	308	226	290	208
VR118...	1 row 18	416	226	398	208
VR212...	2 rows 24	308	351	290	333

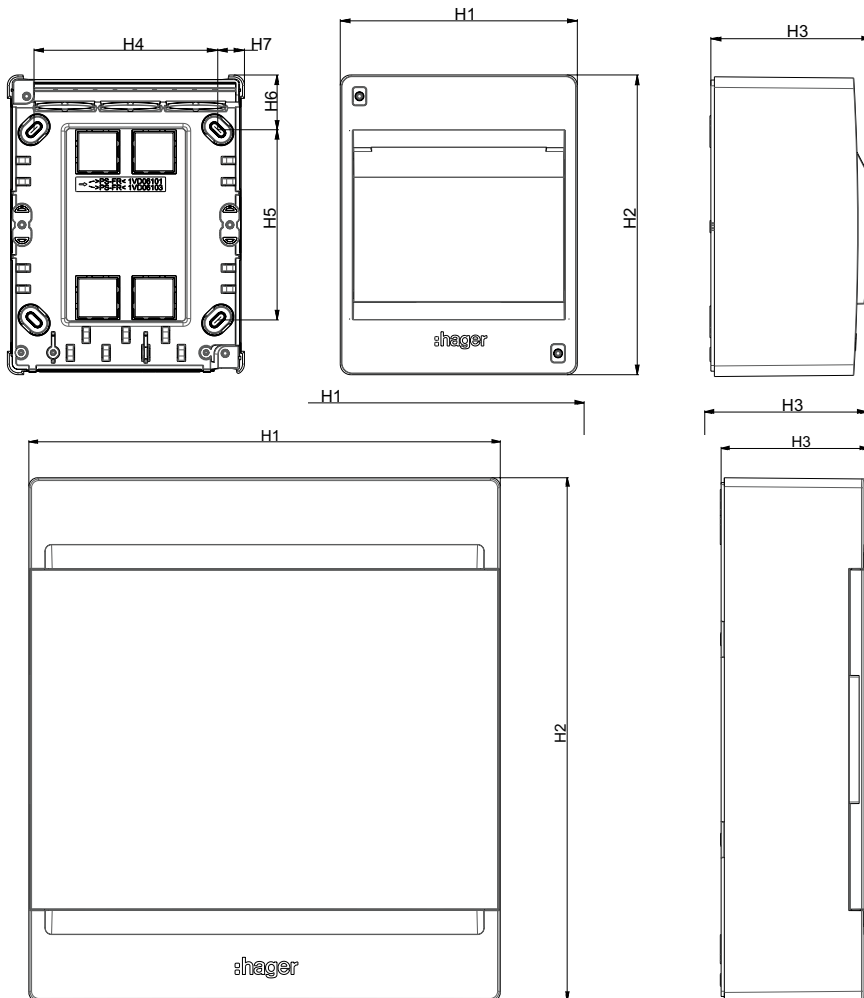
Cable entries

top/bottom -

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



Reference		size // mm				
		H1	H2	H3	H4	H5
VD101	1 row 1	27,5	135,5	9	9	10
VD102	1 row 2	45,5	135,5	26	9	10
VD103	1 row 3	63,5	126	35,5	15	12,5
VD104	1 row 4	81,5	125	52,7	16	13



Reference		size // mm						
		H1	H2	H3	H4	H5	H6	H7
VD106	1 row 6	134,5	170	91	104	108	31	15
VD108	2 rows 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

Hager Sistemas S.A.
Alfred Nobel 18
Pol. Ind. Valldoríolf
Apartado 39
E-08430 La Roca del Vallès

Teléfono 938 424 730
Telefax 938 422 132
www.hager.es

