

Distribution enclosure new vega D

Solutions for housing and commercial premises


Hager has designed vega D enclosure, a range of flexible electrical boxes able to give quality solutions for all achievement in terms of efficiency, reliability, performance and simplicity. The new vega D enclosure has an essential quality: it adapts to all situations and applications, in houses and commercial premises up to 160A. It can be associated in height or in width, from 2 to 7 rows and delivered in a ready-to-mount or to be completed configuration.



Your benefits:

- Easy to install cables inside the enclosure
- Common solution for housing and commercial premises
- Design in harmony with quadro distribution boards

Characteristics:

- From 2 to 7 rows.
- From 48 to 168 modules.
- IP30 - IP41
- Protection class II , full insulated
- Material: sheet steel
- Available in surface or flush mounting version

Expert tips

1



Clever packaging

Thanks to its new packaging, the unpacking is facilitated.

2



Vertical and horizontal association kit

Can be associated in height or in width for a wall fixing with only one reference.

3



Easy wiring

Increased accessibility on the sides and under the DIN rails.

4



Fast mounting of accessories

The sides are pre-cutted and allows to accessorize easily, quickly and without tool the systo socket outlet.

5



Mounting of a 3rd DIN rail

Allows to add one more row between the DIN rails.

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 :
- quickconnect earth terminal block
- blanking clip
- marking strip
- pocket plan (not for GN version)
- cable strain relief bar (not for GN version)




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: the enclosures of this range are delivered without doors.

For dimensions, see page A.63.

Description	Capacity	quickconnect terminals	Height (mm)	Pack qty.	Cat. ref.
 Flush mounting enclosures full equipped, without door low depth (150mm) w. 550 x d. 150 mm frame height: 40 mm	2 rows (48 ■)	1 x KN26E	537	1	FU22DN
	3 rows (72 ■)	2 x KN22E+ 1 x KN99E	687	1	FU32DN
	4 rows (96 ■)	1 x KN22E + 1 x KN26E + 1 x KN99E	837	1	FU42DN
	5 rows (120 ■)	1 x KN22E + 1 x KN26E + 1 x KN99E	987	1	FU52DN
	6 rows (144 ■)	3 x KN26E+ 2 x KN99E	1137	1	FU62DN
	7 rows (168 ■)	3 x KN26E+ 2 x KN99E	1287	1	FU72DN
	 Flush mounting enclosures, partially equipped, without door, high depth (182mm) w. 550 x d. 182 mm frame height: 72 mm	2 rows height empty space for internal module + 1 x KN26E		537	1
+ 1 row (24 ■)		2 x KN22E + 1 x KN99E	687	1	FU32AN
+ 2 rows (48 ■)		1 x KN22E + 1 x KN26E + 1 x KN99E	837	1	FU42AN
+ 3 rows (72 ■)		1 x KN22E + 1 x KN26E + 1 x KN99E	987	1	FU52AN
+ 4 rows (96 ■)		3 x KN26E + 2 x KN99E	1137	1	FU62AN
+ 5 rows (120 ■)		3 x KN26E + 2 x KN99E	1287	1	FU72AN
 Flush mounting enclosures empty, 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 quickconnect terminal holder.	2 rows height capacity		537	1	FU22GN
	+ 1 row height capacity		687	1	FU32GN
	+ 2 rows height capacity		837	1	FU42GN
	+ 3 rows height capacity		987	1	FU52GN
	+ 4 rows height capacity		1137	1	FU62GN
	+ 5 rows height capacity		1287	1	FU72GN

Note: find characteristics of quickconnect terminals page G.12

■ = module 17,5 mm

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:

- quickconnect earth terminal block
- blanking clip
- marking strip
- pocket plan (not for GN version)
- cable strain relief bar (not for GN version)

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: the enclosures of this range are delivered without doors.

For dimensions, see page A.63.



FD52DN



FD52AN



FD52GN

Description	Capacity	quickconnect terminals	Height (mm)	Pack qty.	Cat. ref.	
Surface mounting enclosures, full equipped, without door w. 550 x d. 193 mm	2 rows (48 ■)	1 x KN26E	450	1	FD22DN	
	3 rows (72 ■)	2 x KN22E+ 1 x KN99E	600	1	FD32DN	
	4 rows (96 ■)	1 x KN22E + 1 x KN26E + 1 x KN99E	750	1	FD42DN	
	5 rows (120 ■)	1 x KN22E + 1 x KN26E + 1 x KN99E	900	1	FD52DN	
	6 rows (144 ■)	3 x KN26E+ 2 x KN99E	1050	1	FD62DN	
	7 rows (168 ■)	3 x KN26E+ 2 x KN99E	1200	1	FD72DN	
Surface mounting enclosures, partially equipped, without door w. 550 x d. 193 mm	2 rows height empty space for internal module	+ 1 x KN26E	450	1	FD22AN	
	+ 1 row (24 ■)	2 x KN22E + 1 x KN99E	600	1	FD32AN	
	+ 2 rows (48 ■)	1 x KN22E + 1 x KN26E + 1 x KN99E	750	1	FD42AN	
	+ 3 rows (72 ■)	1 x KN22E + 1 x KN26E + 1 x KN99E	900	1	FD52AN	
	+ 4 rows (96 ■)	3 x KN26E + 2 x KN99E	1050	1	FD62AN	
Surface mounting enclosures, empty, to be completed, without door and without terminal block w. 550 x d. 193 mm	2 rows height capacity		450	1	FD22GN	
	+ 1 row height capacity		600	1	FD32GN	
	+ 2 rows height capacity		750	1	FD42GN	
	Delivered with 2 vertical uprights and quickconnect terminal holder	+ 3 rows height capacity		900	1	FD52GN
	+ 4 rows height capacity		1050	1	FD62GN	
	+ 5 rows height capacity		1200	1	FD72GN	

Note: find characteristics of quickconnect terminals page G.12

■ = module 17,5 mm



FD52PN



FD52TN



FD01A1



FD02A1



FD01K1



FD02A2



FD02C2

Description	Characteristics	Height (mm)	Pack qty.	Cat. ref.
Full doors Door opening angle 135°	for FD22GN, FD22DN, FU22GN, FU22DN, FD22AN, FU22AN	350	1	FD22PN
	for FD32GN, FD32DN, FU32GN, FU32DN, FD32AN, FU32AN	500	1	FD32PN
	for FD42GN, FD42DN, FU42GN, FU42DN, FD42AN, FU42AN	650	1	FD42PN
	for FD52GN, FD52DN, FU52GN, FU52DN, FD52AN, FU52AN	800	1	FD52PN
	for FD62GN, FD62DN, FU62GN, FU62DN, FD62AN, FU62AN	950	1	FD62PN
	for FD72GN, FD72DN, FU72GN, FU72DN, FD72AN, FU72AN	1100	1	FD72PN
Transparent doors Door opening angle 135°	for FD22GN, FD22DN, FU22GN, FU22DN, FD22AN, FU22AN	350	1	FD22TN
	for FD32GN, FD32DN, FU32GN, FU32DN, FD32AN, FU32AN	500	1	FD32TN
	for FD42GN, FD42DN, FU42GN, FU42DN, FD42AN, FU42AN	650	1	FD42TN
	for FD52GN, FD52DN, FU52GN, FU52DN, FD52AN, FU52AN	800	1	FD52TN
	for FD62GN, FD62DN, FU62GN, FU62DN, FD62AN, FU62AN	950	1	FD62TN
	for FD72GN, FD72DN, FU72GN, FU72DN, FD72AN, FU72AN	1100	1	FD72TN
Equipment units	1 row of 24 modules DIN rail kit for modular devices	150	1	FD01A1
	adjustable 1 row of 20 modules capacity DIN rail kit for terminal blocks + plain front cover	150	1	FD01A2
	for 3 or 4 poles x160 MCCBs and switch disconnected DIN rail kit, horizontal position	150	1	FD01K1
	for 3 or 4 poles x160 MCCBs or switch disconnected + add-on block DIN rail kit, vertical position	300	1	FD02K1
	2 rows of 24 modules DIN rail kit for modular devices	300	1	FD02A1
	adjustable 2 rows of 20 modules capacity DIN rail kit for terminal blocks + plain front cover	300	1	FD02A2
	2 rows high kit with 1 depth adjustable and 1 distribution DIN rails	300	1	FD02A3
	depth-adjustable perforated mounting plate kit 370x290x1,2mm	300	1	FD02C2
Trunking	set of 4 internal cable tray 30x80mm 439mm width for horizontal fast mounting between 2 rows, with cover		1	FD00T1
	set of 4 halogen free internal cable tray 30x80mm, 439mm width for horizontal fast mounting between 2 rows with cover		1	FD00T2

Note : the equipment units are not compatible with full equipped flush low depth version (FUxxDN type references)

■ = module 17,5 mm



FD00C1



FD00C2



FD00C3



FD00C4



FD00C5



FD00M2



FD00M3




















FD00H1



FD00B1 and FD00B2

Description	Characteristics	Height (mm)	Pack qty.	Cat. ref.
Cover plates	2 rows slotted cover with 2 label holders and 24 modules width labelling strips	300	1	FD00C1
	2 rows plain cover, flat surface, for self-milling	300	1	FD00C2
	2 rows slotted cover with 1 label holder and 24 ■ width labelling strip	300	1	FD00C3
	1 row slotted cover with 1 label holder and 24 ■ width labelling strip	150	1	FD00C4
	1 row plain cover	150	1	FD00C5
Mounting plates	perforated mounting plate for direct fixing on vertical uprights	225	1	FD00M1
	plain mounting plate for direct fixing on vertical uprights	300	1	FD00M2
	perforated mounting plate for direct fixing on vertical uprights	150	1	FD00M3
	plain mounting plate for direct fixing on vertical uprights	150	1	FD00M4
Accessories	base of DIN rail holder - Set of 2 mounting kit supports for 1 row of 150mm high + screws		1	FD00H1
	set of 2 DIN rail holders for surface and high depth flush mounting enclosures + screws		1	FD00H2
	set of 10 label holder and 24 modules width paper strip		1	FD00A1
	partitioning plate IP2X horizontal 500mm wide for surface enclosures		1	FD00A3
	set of 10 vertical cable brackets for surface mounting Vega D		1	FD00B1
	set of 10 cable brackets for flush mounting low depth Vega D		1	FD00B2
	24 ■ width quick connect terminals empty support		1	FD00Q1
	24 ■ width quick connect and brass terminals empty support, compatible with KN00A universal support		1	FD00Q2
	IP41 upgrading kit for flush version enclosures		1	FD00G1
	set of 20 wire guides for vertical or horizontal use	big section	1	UZ25V1
	small section	1	UZ25V2	
support for UZ25V1 and UZ25V2 wire guides			UZ01V1	

■ = module 17,5 mm

	Description	Characteristics	Pack qty.	Cat. ref.	
 FD00P1	Cable entry plates The following references are delivered with 2 fixation screws in order to fasten slider to the back panel mechanically: - FP00P1 - FD00P2 - FD00P3	slider with rectangular openings	1	FP00P1	
 FD00P2		slider with 2 premounted waterproof flanges, IP41	1	FD00P2	
 FD00P3		IP41 slider with tube openings to mount-in with 2 fixation screws, 4x12mm, 5x10/20mm, 4 x 12/16/25mm pre-openings	1	FD00P3	
 FD00P4		kit with a set of 2 side entry plates and gaskets M40, M32 and M25 pre-openings	1	FP00P4	
 FD00P4	45x45mm adapter with cover for systo wiring accessories	IP41 back panel entry flange	1	VZ741	
 FD00E1		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	1	FD00E1	
 FD00F1	Vertical and horizontal association kit	set of 2 association bracket and 4 screws for surface version enclosure	1	FD00F1	
 FD00E1	External wall fixation plates	set of 4 brackets delivered with 4 x M6 screws for surface version enclosure	1	FD00F2	
 FD00F3	Cable strain relief bar	24 modules width, delivered with 4 fixing screws	1	FD00F3	
 FD00F1	DIN rails	set of 2 430mm DIN rails for 2 additional rows of 24 modules, delivered with 4 screws	1	UZ02B9	
 FD00F1	A4 pocket plan	flexible, A4 format, self adhesive, to stick inside the door	10	FZ794	
 FD00F2	Blanking clips	1/2 ■	50	P031F	
 FD00F2		1 ■	50	P032F	
 FD00F2	Blanking strips color RAL 9010	24 ■	10	JP002	
 FD00F3	Locks replace the original latch	standard closing system as spare part		1	FD00S0
 FD00S1		key lock n° 1242E delivered with 2 keys		1	FD00S1
 FD00S2		lock triangle 7mm (with square opening tool)		1	FD00S2
 FD00S3		lock square 7mm (with triangle opening tool)		1	FD00S3
 FD00S4		key lock n° 405 delivered with 2 keys		1	FD00S4
 FD00S5	two-way key lock 3mm (with 2-way opening tool)		1	FD00S5	

■ = module 17,5 mm

Description	Characteristics	Width	Pack qty.	Cat. ref.
 4 x KJ02C	Single pole distribution blocks - 125A - lsc peak: 30kA - incoming: 1 x 35 + 1 x 16mm ² - outgoing: 6 x 16mm ²	27mm (2 ■)	1	KJ02D
	- 160A - lsc peak: 50kA - incoming: 1 x 70mm ² - outgoing: 6 x 16mm ²	35mm (2 ■)	1	KJ02C
 KJ02E	Modular distribution monobloc - 100A - four pole - lsc peak: 20kA - Ui: 500V - per phase: 1 x 25 + 2 x 10 + 5 x 6mm ² - neutral: 1 x 25 + 6 x 10 + 4 x 6 mm ² - h. 74,5 x d. 45mm	98mm (6 ■)	1	KJ02E
 KJ100A	Stepped distribution blocks Brass busbar terminals - 100A - four pole - 4x7 connection points - lpk: 24kA - Ui: 500V AC - connection capacity per bar: - 2x25 + 5x16mm ² rigid wire - 2x16 + 5x10mm ² with ferrule	71mm (4,5 ■)	1	KJ100A
 KJ125B	- 125A - four pole - 4x15 connection points - lpk: 28kA - Ui: 500V AC - connection capacity per bar: - 1x35 + 3x35 + 11x16mm ² rigid wire - 1x35 + 3x25 + 11x16mm ² with ferrule	170mm (10 ■)	1	KJ125B
 KJ160A	- 160A - four pole - 4x12 connection points - lpk: 36kA - Ui: 500V AC - connection capacity per bar: - 1x70 + 3x35 + 8x25mm ² rigid wire - 1x50 + 3x25 + 8x16mm ² with ferrule	162mm (9,5 ■)	1	KJ160A

■ = module 17,5 mm

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:

- quickconnect ■ earth terminal block
- full 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:

IEC 61 439-3

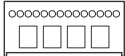
For dimensions, see page A.64.



FV42A



FV62A

Description	quickconnect ■ terminals 	Height (mm)	Pack qty.	Cat. ref.
Enclosures to be completed with door, w. 550 x d. 218 mm	with an empty space for internal module			
	5 x 25 + 17 x 4 mm ²	500	1	FV22A
	+ 1 row (24 ■) 2(5 x 25 + 17 x 4 mm ²)	650	1	FV32A
	+ 2 rows (48 ■) (5 x 25 + 17 x 4 mm ²) + (6 x 25 + 20 x 4 mm ²)	800	1	FV42A
	+ 3 rows (72 ■) (5 x 25 + 17 x 4 mm ²) + (6 x 25 + 20 x 4 mm ²)	950	1	FV52A
	+ 4 rows (96 ■) 3(6 x 25 + 20 x 4 mm ²)	1100	1	FV62A
	+ 5 rows (120 ■) 3(6 x 25 + 20 x 4 mm ²)	1250	1	FV72A

■ = module 17,5 mm



FZ507









FZ503



FZ501



FZ507

Description	Characteristics	Pack qty.	Cat. ref.
Equipment units	for 3 or 4 poles x160 MCCBs and switch disconnected DIN rail - vertical position	1	UK22A2
	for 250A MCCBs setted at In = 160A	1	UK22B3
	for DIN rail modular devices 2 row of 24 ■	1	UD22B3
	with perforated plate w.415 x h.235 mm	1	UD22B4
	for terminal blocks	1	UD22A5
Locks replace the original latch	key lock n° 1242E delivered with 2 keys		1 FZ507
	key lock n° 405 delivered with 2 keys		1 FZ526
	key lock n° 455 delivered with 2 keys		1 FZ527
	lock with male square of 7 mm chrome plated with 1 key		1 FZ503
	lock with male triangle of 7 mm chrome plated with 1 key		1 FZ502
	lock with double chrome plated bar of 3 mm with 1 key		1 FZ501
Wire guides	big section	1	UZ25V1
	small section	1	UZ25V2
Covers for wire guide	2m length	20	UT50C
Horizontal wire ducts	2 x (h. 85 x w. 31 x l. 500 mm)	10	UZ52A1
Support frame for wire ducts		10	UZ50A1

■ = module 17,5 mm



P031F P032F



FZ794



4 x KJ02C



4 x KJ02A



KJ02E



KJ100A



KJ125B

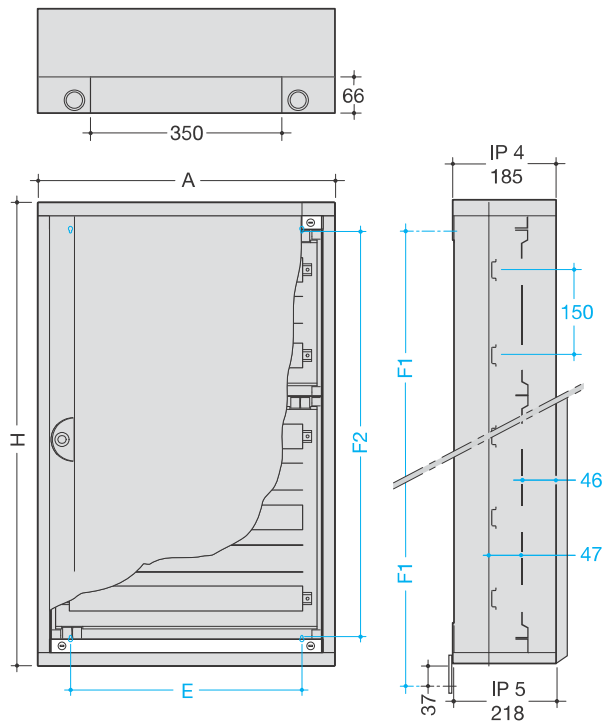


KJ160A

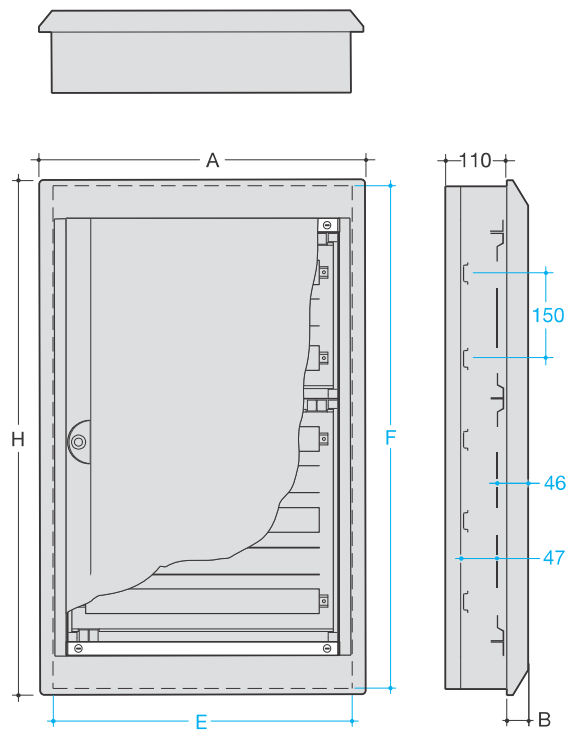
Description	Characteristics		Pack qty.	Cat. ref.
Blanking clips	1/2 ■		1	P031F
	1 ■			P032F
Blanking strips color RAL 9010	24 ■		1	JP002
A4 pocket plans			1	FZ794
Spray paint	RAL 9010		1	FZ792N
Description	Characteristics	Width	Pack qty.	Cat. ref.
Single pole distribution blocks	- 125A - Isc peak: 30kA - incoming: 1 x 35 + 1 x 16mm ² - outgoing: 6 x 16mm ²	27mm	1	KJ02D
	- 160A - Isc peak: 50kA - incoming: 1 x 70mm ² - outgoing: 6 x 16mm ²	35mm	1	KJ02C
	- 250A - Isc peak: 50kA - incoming: 1 x 95mm ² - outgoing: 2 x 25 + 5 x 16 + 4 x 10mm ²	45mm	1	KJ02A
	- 400A - Isc peak: 50kA - incoming: 1 x 150mm ² - outgoing: 2 x 25 + 5 x 16 + 4 x 10mm ²	45mm	1	KJ02B
Modular distribution monobloc	- 100A - four pole - Isc peak: 20kA - Ui: 500V - per phase: 1 x 25 + 2 x 10 + 5 x 6mm ² - neutral: 1 x 25 + 6 x 10 + 4 x 6 mm ² - h. 74,5 x d. 45mm	98mm (5,5 ■)	1	KJ02E
Stepped distribution blocks Brass busbar terminals	- 100A - four pole - 4x7 connection points - Ipk: 24kA - Ui: 500V AC - connection capacity per bar: - 2x25 + 5x16mm ² rigid wire - 2x16 + 5x10mm ² with ferrule	71mm (4 ■)	1	KJ100A
	- 125A - four pole - 4x15 connection points - Ipk: 28kA - Ui: 500V AC - connection capacity per bar: - 1x35 + 3x35 + 11x16mm ² rigid wire - 1x35 + 3x25 + 11x16mm ² with ferrule	170mm (10 ■)	1	KJ125B
	- 160A - four pole - 4x12 connection points - Ipk: 36kA - Ui: 500V AC - connection capacity per bar: - 1x70 + 3x35 + 8x25mm ² rigid wire - 1x50 + 3x25 + 8x16mm ² with ferrule	162mm (9 ■)	1	KJ160A

■ = module 17,5 mm

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

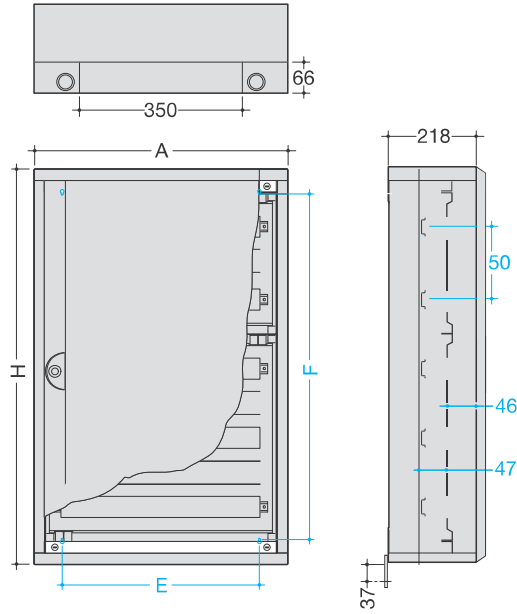
Flush version

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