

VT metal enclosures

Catalogue numbers:

VTxxS - Surface mount

VTxxF - Flush mount

Regulatory

- Complies to AS/NZS 61439-3
- Complies to AS/NZS 3000
- Complies to AS/NZS 3012
- Complies to AS/NZS 5112

Material

- Galvanised zinc coated steel
- Powdercoated
- Colour: RAL9016
- For indoor use only

Mechanical

- IK05

Electrical

- 230 / 240V - 400/415V
- Suitable for MPDs up to 100A depending on power dissipation and ambient temperature.

Ingress Protection (IP) Rating

- IP30 without doors
- IP40 with doors closed and cable entries sealed
- IP2X with escutcheon fitted, door open and cable entries / all poles filled

Extras

- Supplied with:
 - links
 - circuit ID labels

Accessories

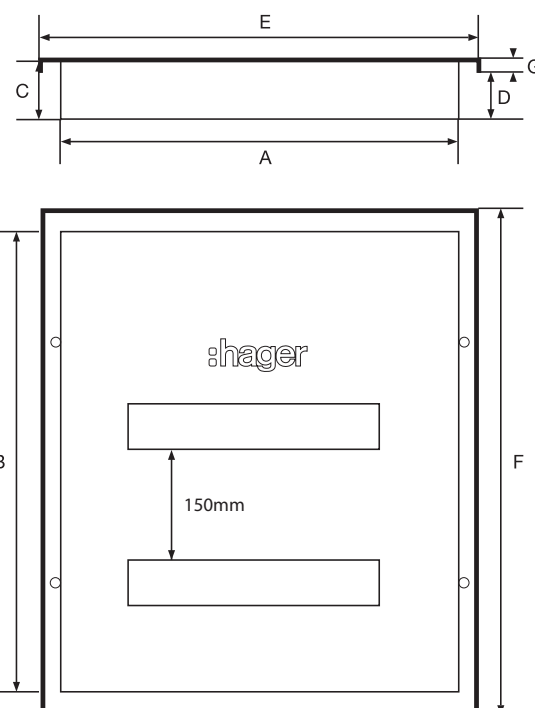
- Key lock (2233) JK1XKLS
- Standard grey pole fillers (5 pack) JP010
- Standard white pole fillers (5 pack) JP011
- 92268 lock for VT03x doors VT92268

The following models are suitable for temporary distribution loadcentres

- Compliant with AS/NZS 3012
- Compliant with the NSW Service Installation Rules:
 - 9 mod cover with 7.5mod lock cover VT09TP
 - 12 mod cover with 10.5mod lock cover VT12TP

SURFACE ENCLOSURES		Sizes			Door Depth (VT03x)	Door Depth (VT04x)
		Width	Height	Depth		
Refs	Row					
VT09S	1	260	260	70	28	22
VT12S	1	310	260	70	28	22
VT18S	1	417	260	70	28	22
VT24S	2	370	420	70	28	22
VT36S	3	370	610	70	28	22
VT48S	4	465	750	70	28	22

FLUSH ENCLOSURES		Enclosure (Wall Cut Out)			Escutcheon		
		Width	Height	Recess	Width	Height	Depth
Refs	Row	A	B	D	E	F	G
VT09F	1	255	245	60	305	295	10
VT12F	1	305	255	60	355	305	10
VT18F	1	410	255	60	462	305	10
VT24F	2	360	415	60	415	460	10
VT36F	3	360	605	60	415	655	10
VT48F	4	460	745	60	510	795	10



Note:

The distance between DIN rails is 150mm which doesn't suit Hager Vertical Busbars (KCL36xL)

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VT Door Compatibility

Enclosure	Mounting	Row	Door with Key (2333)		Door with Key (CL001)	
			Ref.	Depth	Ref.	Depth
VT09S	Surface	1	VT041	22	VT031	28
VT12S	Surface	1	VT042	22	VT032	28
VT18S	Surface	1	VT043	22	VT033	28
VT24S	Surface	2	VT044	22	VT034	28
VT36S	Surface	3	VT045	22	VT035	28
VT48S	Surface	4	VT046	22	VT036	28
VT09TP	Surface	1	*	*	*	*
VT12TP	Surface	1	*	*	*	*
VT09F	Flush	1	VT041	22	VT031	28
VT12F	Flush	1	VT042	22	VT032	28
VT18F	Flush	1	VT043	22	VT033	28
VT24F	Flush	2	VT044	22	VT034	28
VT36F	Flush	3	VT045	22	VT035	28
VT48F	Flush	4	VT046	22	VT036	28

VT04xx Doors comes with standard latch.

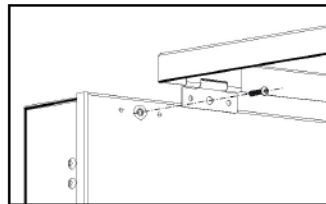
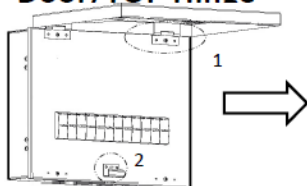
- Please note that this is not a lock
- It needs a tool (flat blade screwdriver) to open.
- JK1XKLS (2233) is the lock but is an external component. You need to purchase a standard VT04xx door + this part - then remove and retrofit to get a VT door with the 2233 key.

VT03xx Doors are supplied as standard with CL001 lock. Supplied with key latch, CL001 lock and one CL001 key.

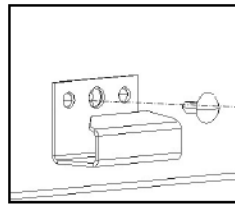
Door fitting (Optional)

One Row enclosure

Door/TOP Hinge



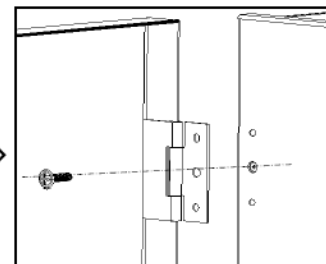
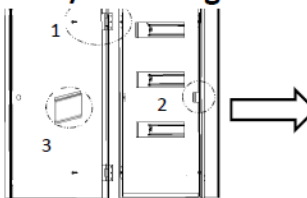
1. Door / Top Hinge



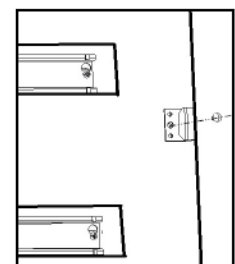
2. Lock hook

2 Rows and above enclosure

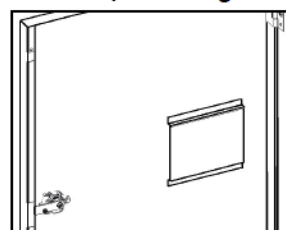
Door/Side Hinge



1. Door / Side Hinge



2. Lock hook



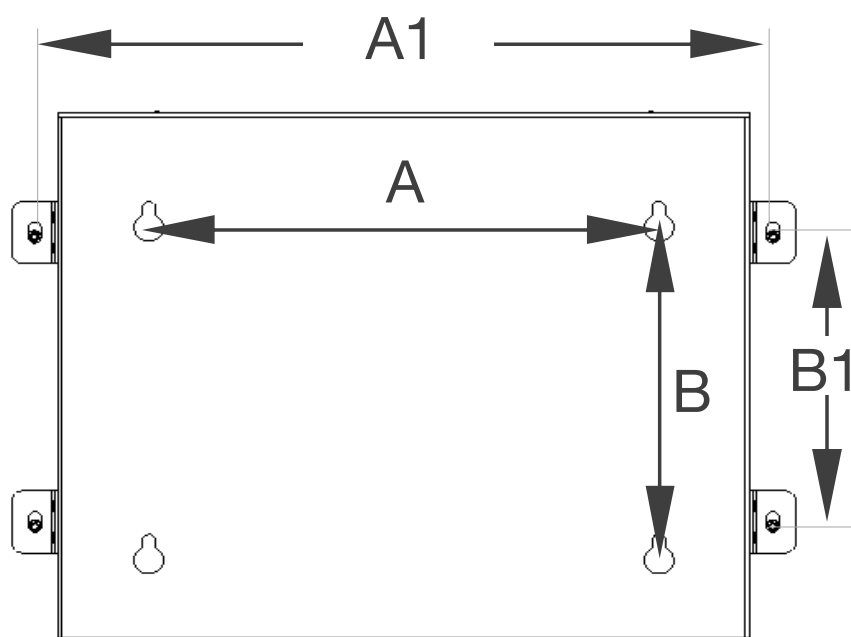
3. Document holder
Stick on the back
of the door

* CL001 lock door is available as option

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Mounting on wall

Enclosure	Mounting	Row	Option 1 (mm)		Option 2 (mm)	
			A	B	A1	B1
VT09S	Surface	1	174	160	*	*
VT12S	Surface	1	224	160	*	*
VT18S	Surface	1	332	160	*	*
VT24S	Surface	2	274	274	*	*
VT36S	Surface	3	274	464	*	*
VT48S	Surface	4	370	605	*	*
VT09TP	Surface	1	174	160	*	*
VT12TP	Surface	1	224	160	*	*
VT09F	Flush	1	174	160	274	130
VT12F	Flush	1	224	160	324	139
VT18F	Flush	1	332	160	432	139
VT24F	Flush	2	274	274	389	299
VT36F	Flush	3	274	464	389	489
VT48F	Flush	4	370	605	485	630



Note: The mounting way of option 2 is only applied for flush boards.

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Earth & Neutral Link Sizes

Enclosure	100A brass terminal	4mm ² - 16mm ²	16mm ² - 25mm ²
VT09*	Neutral	9	3
	Earth	5	3
VT12*	Neutral	12	3
	Earth	6	3
VT18*	Neutral	18	3
	Earth	9	3
VT24*	Neutral	24	3
	Earth	12	3
VT36*	Neutral	36	3
	Earth	18	3
VT48*	Neutral	48	3
	Earth	24	3
VT09TP	Neutral	9	3
	Earth	5	3
VT12TP	Neutral	12	3
	Earth	6	3

Instruction for VT Terminals

Tunnel Terminal	Solid Conductors	Stranded Conductors		Flexible Conductors
Ø = 5.7 mm	1.5mm ² - 16mm ²	1.5mm ² - 2.5mm ² Copper strands must be twisted	4mm ² - 16mm ²	1.5mm ² - 10mm ² with bootlace ferrules
Ø = 8.0mm	6mm ² - 25mm ²	6mm ² - 25mm ² Copper strands must be twisted	16mm ² - 25mm ²	4.0mm ² - 16mm ² with bootlace ferrules

