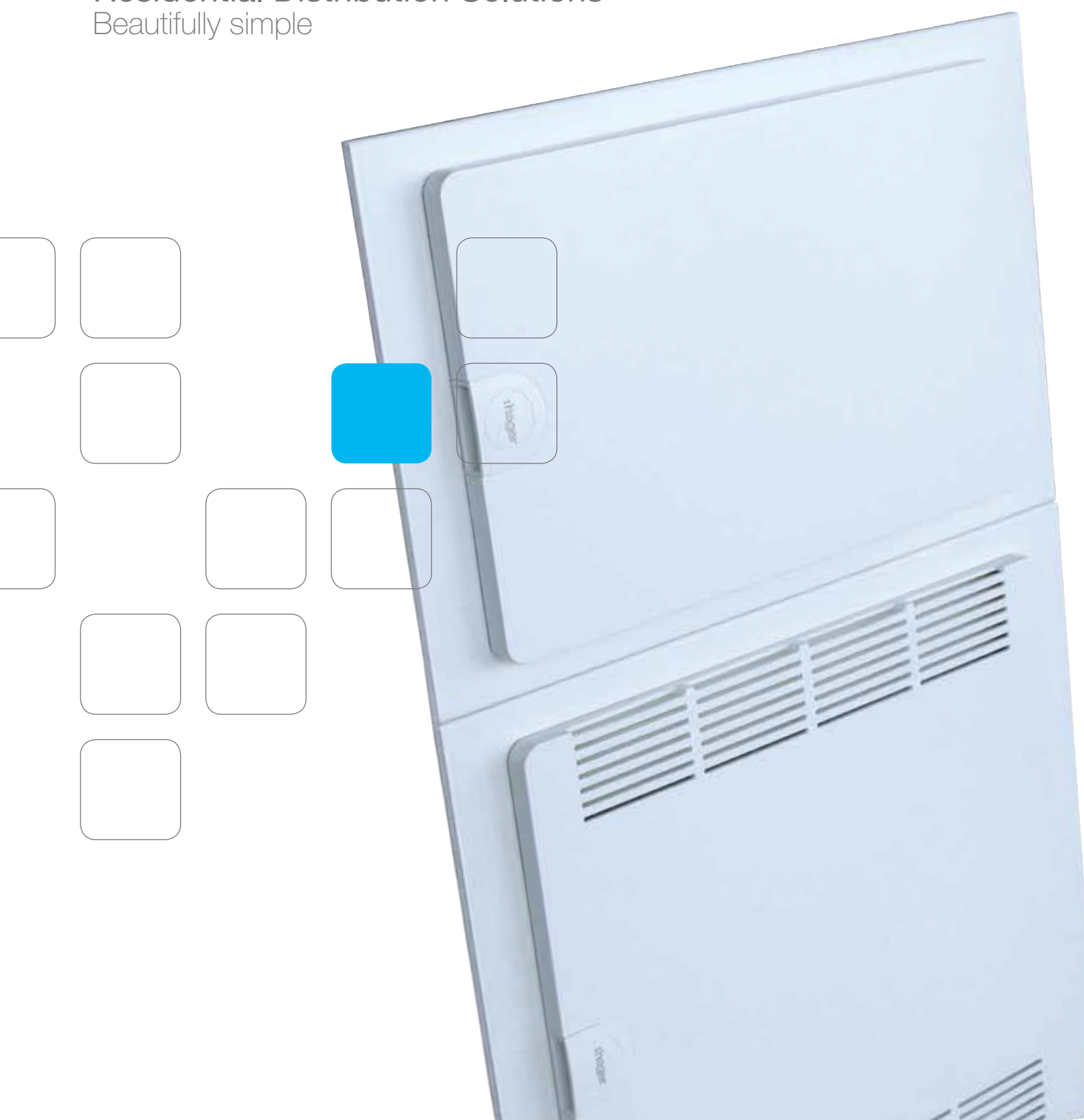




Residential Distribution Solutions

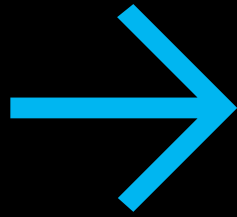
Beautifully simple







all in
one



Our solutions for **Residential buildings**

“Hager’s residential distribution solution ensures you have everything you need for your next installation. The combination of our award winning and aesthetically pleasing golf enclosure range coupled with our onekonekt system, provides you with a beautifully simple solution that makes each installation easier, safer and faster.”



Everything in the system

golf enclosures

The golf enclosure is the perfect solution for all residential and multi-residential installations. The enclosure is swiftly and easily mounted and offers space for a large number of modular devices.

The advantages for you

- Flush or Surface mount, opaque or transparent door options available
- 1 to 4 rows from 4 to 72 modules
- Ample wiring space between the modular devices and terminals as well as behind the DIN rails
- Clean and convenient wiring thanks to patented integrated cable management system



golf Home Networking enclosures

The golf Home Networking enclosure offers solutions that provide you with the greatest amount of flexibility to meet almost any type of home networking equipment.

The advantages for you

- Flush mount with opaque door design, consistent with golf enclosures
- 3 sizes and extension box available
- Easy installation, can be turned 180° to install patented slider on top or bottom
- Ample wiring space allows room to mount peripherals





onekonekt Modular Protection Devices

Hager's full range of residential protection devices connect to the same busbar increasing safety and reducing installation time.

The advantages for you

- All earth leakage devices are type-A increasing fault identification



Link Terminals

Our Link terminals offer significant time saving and reliability compared to traditional brass link screw terminals.

The advantages for you

- Quick and easy screwless installation
- Reliable and constant tension reduces potential hot joints
- Easy labelling system for clear circuit identification



Network Accessories

Hager's patching solutions allow both multi and single module add-ons in Cat5, Cat6 and shielded.

The advantages for you

- Additional Cat5, Cat6 and F-type modules available
- 4 and 8 output Telephone splitters for simple distribution
- Individual toolless Cat6 patch modules



Sliders

Our patented sliders keep unsightly wires contained behind the wall and help to provide power to our networking enclosures.

The advantages for you

- The double slider is used to connect a main distribution enclosure to a home networking enclosure creating a unique combination


beauty
outside





reddot design award

Innovation on the inside

The golf enclosure range from Hager is the benchmark in distribution. Packed with features that provide simple and fast installation, available in flush or surface mounting and with a choice of either  Link terminals, 63A or 100A brass links, this red dot design award and Australian International Design Award winning range meets all expectations in distribution for both contractors and home owners.



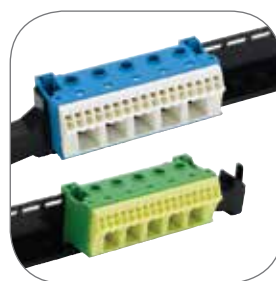
Quality

Our surface mount golf enclosures with their ample cabling space, convenient cable management, installation tips within the box and the ability to rotate the enclosure a full 180°, means they are ideal for any standard residential power distribution installation.




Adaptability

Hager's flush mount golf enclosures have the added advantage of connecting to our golf home networking enclosures to provide a comprehensive and aesthetically pleasing solution for any residential installation.



Reliability

Optional patented neutral & earth  link terminals provide an easier, safer and faster connection for your installation, saving time & money.



Options

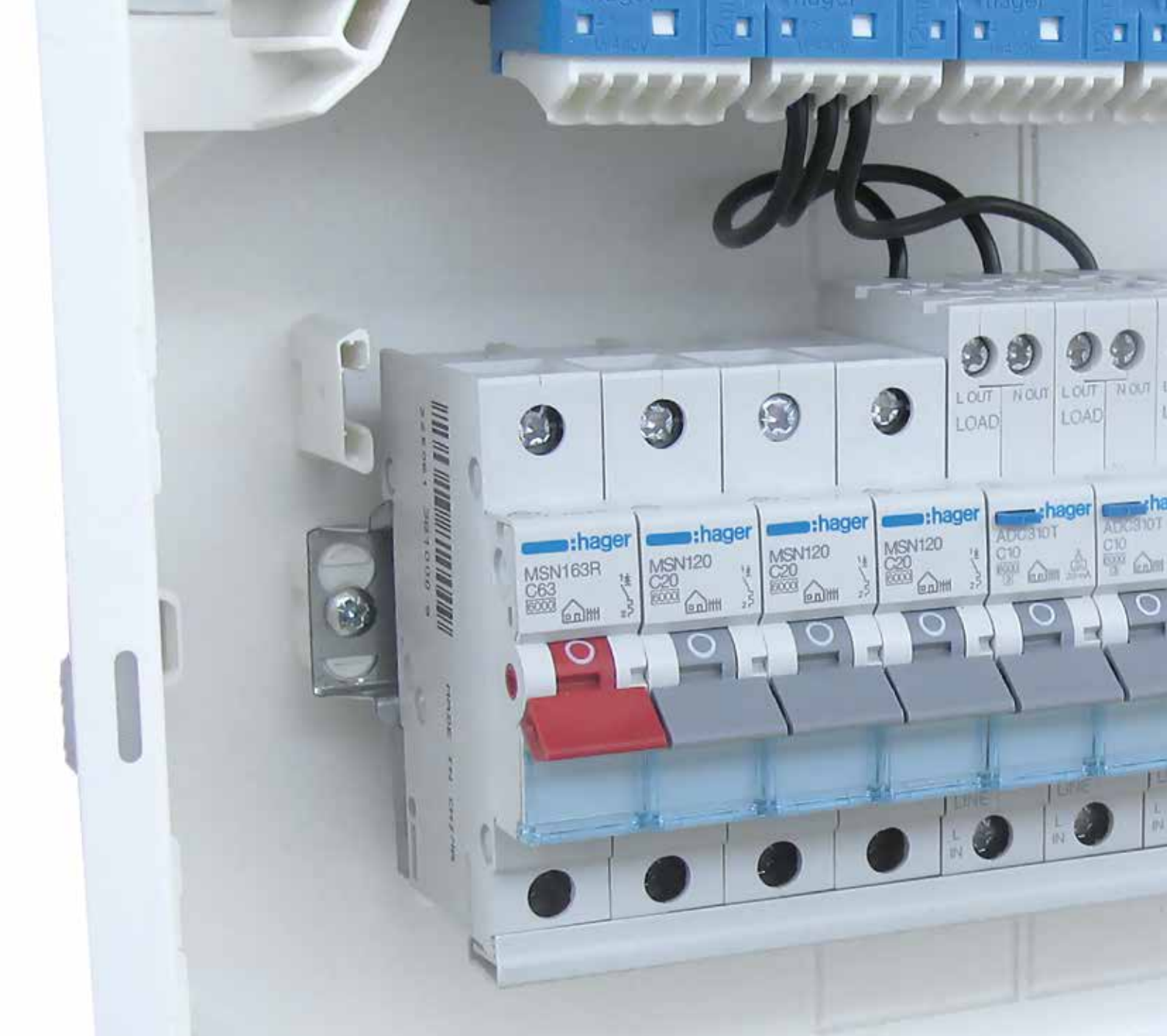
All golf enclosures are supplied with standard 63A brass links with the option of 100A where higher ratings are needed.



Friday, 3rd April 2015
New world record of 203.275 km/h in high speed snowboarding for Edmond Plawczyk!
Proudly sponsored by Hager



high
speed



High performance, high safety

Our onekonekt residential range of modular devices saves you time and money, with an installation time up to 10 times faster than traditional wiring.

The onekonekt system is one of the most versatile & flexible solutions to residential electricians on the market today. The use of busbar in our industry is not a new concept. However, providing a full range of residential protection devices that connect to the same busbar, increasing safety, reducing installation time, improving technical characteristics and aesthetics within one system, definitely is.



Safety

Insulated fork caps enable unused forks to remain in-situ for additional circuits in the future. Busbar and endcaps ensure complete insulation of the bar.



Performance

Our type A Earth Leakage Devices filter out interference from modern day appliances such as TV's washing machines and LED lighting, that can potentially prevent the device from operating accurately.



Flexibility

Bi-connect terminals on all devices enable supply from either cables in the cage or busbars in the slot; guaranteeing full connection capacity.



Simplicity

For the entire 2 pole RCCB and RCBO range, the neutral busbar slot is fully insulated so there is no need to cut the forks off the busbar.

easy to

connect







A new approach to home networking

Australians love technology. Our homes are now filled with multiple users, home offices, smart TVs, game consoles, smart phones and more. Today, the creation of a home network has become more of a need than a luxury.

Hager's golf home networking enclosure is a first in Australia, providing the option to be installed as a stand-alone home network hub or combined with the mains distribution golf enclosure by utilising our patented double slider providing you with pure aesthetic genius.



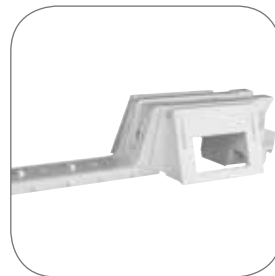
Versatility

Three flush or surface mount enclosure sizes supply ample space for mounting all your network distribution modules as well as other peripherals.



Circulation

The vented door assists with heat dissipation and assists signal reception for wireless devices mounted within.



Flexibility

With the use of our patented double sliders, you can combine your mains distribution with your home networking for ease of cabling and superb aesthetics.



Additions



Cat 6 UTP/STP individual patch modules and 4 to 8 way telephone splitter helps simplify every installation.



Beautifully simple, the complete system

At Hager, we believe that every home owner deserves to have a high quality, safe and great looking distribution system in their home - and the installation of the system should be simple and beneficial to all installing contractors.

The golf system offers exactly that. From its award winning aesthetics on the outside, to it's installer friendly, superior protection and distribution equipment on the inside, it's the most flexible, comprehensive solution on the market today.

•	golf VS series enclosures	
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Surface mounted distribution boxes from 1 to 4 rows, from 4 to 72 modules, supplied with opaque or transparent door for devices up to 70mm installation depth. Door can be fitted on right or left, optional lock and keys. Door opens up to 180°. Wall box and cover are symmetrical for removable cable entry slider. Cable entries for cable and conduit.

VS Components:

- Earth & neutral terminals
- Pole fillers
- Patented marking system
- Cable management clips
- Transport protection film
- Busbar supplied with some references

Technical data:

- IP rating: IP30 without door IP40 with door IK07
- Isolation Class II
- White colour RAL 9010
- Rated current: for devices up to 63A
- Rated insulation voltage: 400V AC/50Hz

Standard:

all products conform to Australian and international standards. All products conform to the RoHS and WEEE directives.

- Winner of the Australian International Design Award and the reddot Design Award



Australian International Design Award

reddot design award

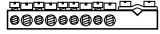












VS112PT



VS218PT










golf enclosure with 63A brass terminals

Description	Busbar	Brass terminal 			Cat ref. Opaque Door	Cat ref. Transp. door
		25mm ²	16mm ²	10mm ²		
1 row 4 	None	1	2	3	VS104PT	VS104TT
1 row 8 	None	1	4	5	VS108PT	VS108TT
1 row 12 	1 x 12 pole	1	8	9	VS112PT	VS112TT
1 row 18 	1 x 18 pole	1	12	13	VS118PT	VS118TT
2 row 24 	2 x 12 pole	1	14	16	VS212PT	VS212TT
2 row 36 	2 x 18 pole	1	21	24	VS218PT	VS218TT
3 row 36 	3 x 12 pole	1	16	17	VS312PT	VS312TT
3 row 54 	3 x 18 pole	1	21	24	VS318PT	VS318TT
4 row 48 	4 x 12 pole	2	26	28	VS412PT	VS412TT
4 row 72 	4 x 18 pole	1	21	24	VS418PT	VS418TT



VS318TTH










golf enclosure with 100A brass terminals

Description	Busbar	Brass terminal 		Cat ref. Opaque Door	Cat ref. Transp. door
		25mm ²	16mm ²		
1 row 12 	1 x 12 pole	1	13	VS112PTH	VS112TTH
1 row 18 	1 x 18 pole	1	19	VS118PTH	VS118TTH
2 row 24 	2 x 12 pole	1	25	VS212PTH	VS212TTH
2 row 36 	2 x 18 pole	1	37	VS218PTH	VS218TTH
3 row 36 	3 x 12 pole	1	37	VS312PTH	VS312TTH
3 row 54 	3 x 18 pole	2	41	VS318PTH	VS318TTH
4 row 48 	4 x 12 pole	2	42	VS412PTH	VS412TTH
4 row 72 	4 x 18 pole	2	61	VS418PTH	VS418TTH



VS412TTQ

golf enclosure with link terminals

Description	Busbar	 link terminal		Cat ref. Opaque Door	Cat ref. Transp. door
		25mm ²	4mm ²		
1 row 12 	1 x 12 pole	3	15	VS112PTQ	VS112TTQ
1 row 18 	1 x 18 pole	4	20	VS118PTQ	VS118TTQ
2 row 24 	2 x 12 pole	4	20	VS212PTQ	VS212TTQ
2 row 36 	2 x 18 pole	7	29	VS218PTQ	VS218TTQ
3 row 36 	3 x 12 pole	7	29	VS312PTQ	VS312TTQ
3 row 54 	3 x 18 pole	10	42	VS318PTQ	VS318TTQ
4 row 48 	4 x 12 pole	10	36	VS412PTQ	VS412TTQ
4 row 72 	4 x 18 pole	15	55	VS418PTQ	VS418TTQ

Flush mounted distribution boxes from 1 to 4 rows, from 4 to 72 modules, supplied with opaque or transparent door for devices up to 70mm installation depth. Door can be fitted on right or left, optional lock and keys. Door opens up to 180°. Wall box and cover are symmetrical for removable cable entry slider. Cable entries for cable and conduit.

VF Components:

- Earth & neutral terminals
- Pole fillers
- Patented marking system in enclosures >36 I
- Cable management clips in enclosures >36 I
- Transport protection film
- Busbar supplied with some references

Technical data:

- IP rating: IP30 without door IP40 with door IK07
- Isolation Class II
- White colour RAL 9010
- Rated current: for devices up to 63A
- Rated insulation voltage: 400V AC/50Hz

Standard:

all products conform to Australian and international standards. All products conform to the RoHS and WEEE directives.

- Winner of the Australian International Design Award and the reddot Design Award



Australian International Design Award

reddot design award

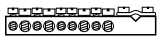


VF112PT



VF218PT


golf enclosure with 63A brass terminals

Description	Busbar	Brass terminal 			Cat ref. Opaque Door	Cat ref. Transp. door
		25mm ²	16mm ²	10mm ²		
1 row 4 I	None	1	2	3	VF104PT	VF104TT
1 row 8 I	None	1	4	5	VF108PT	VF108TT
1 row 12 I	1 x 12 pole	1	8	9	VF112PT	VF112TT
1 row 18 I	1 x 18 pole	1	12	13	VF118PT	VF118TT
2 row 24 I	2 x 12 pole	1	14	16	VF212PT	VF212TT
2 row 36 I	2 x 18 pole	1	21	24	VF218PT	VF218TT
3 row 36 I	3 x 12 pole	1	16	17	VF312PT	VF312TT
3 row 54 I	3 x 18 pole	1	21	24	VF318PT	VF318TT
4 row 48 I	4 x 12 pole	2	26	28	VF412PT	VF412TT
4 row 72 I	4 x 18 pole	1	21	24	VF418PT	VF418TT



VF318TTH


golf enclosure with 100A brass terminals

Description	Busbar	Brass terminal 		Cat ref. Opaque Door	Cat ref. Transp. door
		25mm ²	16mm ²		
1 row 12 I	1 x 12 pole	1	13	VF112PTH	VF112TTH
1 row 18 I	1 x 18 pole	1	19	VF118PTH	VF118TTH
2 row 24 I	2 x 12 pole	1	25	VF212PTH	VF212TTH
2 row 36 I	2 x 18 pole	1	37	VF218PTH	VF218TTH
3 row 36 I	3 x 12 pole	1	37	VF312PTH	VF312TTH
3 row 54 I	3 x 18 pole	2	41	VF318PTH	VF318TTH
4 row 48 I	4 x 12 pole	2	42	VF412PTH	VF412TTH
4 row 72 I	4 x 18 pole	2	61	VF418PTH	VF418TTH



VF412TTQ

golf enclosure with Q link terminals

Description	Busbar	Q link terminal 		Cat ref. Opaque Door	Cat ref. Transp. door
		25mm ²	4mm ²		
1 row 12 I	1 x 12 pole	3	15	VF112PTQ	VF112TTQ
1 row 18 I	1 x 18 pole	4	20	VF118PTQ	VF118TTQ
2 row 24 I	2 x 12 pole	4	20	VF212PTQ	VF212TTQ
2 row 36 I	2 x 18 pole	7	29	VF218PTQ	VF218TTQ
3 row 36 I	3 x 12 pole	7	29	VF312PTQ	VF312TTQ
3 row 54 I	3 x 18 pole	10	42	VF318PTQ	VF318TTQ
4 row 48 I	4 x 12 pole	10	36	VF412PTQ	VF412TTQ
4 row 72 I	4 x 18 pole	15	55	VF418PTQ	VF418TTQ

golf enclosure accessories

Includes an extensive range, from cable retainers to hollow wall anchors, keys, locks and doors, every single feature is conceived to save time and increase simplicity of mounting.



VZ610N

Opaque Doors

To suit	Pack	Cat ref.
VF/VS104	1	VZ601N
VF/VS108	1	VZ602N
VF/VS112	1	VZ603N
VF/VS212	1	VZ604N
VF/VS312	1	VZ605N
VF/VS412	1	VZ606N
VF/VS118	1	VZ607N
VF/VS218	1	VZ608N
VF/VS318	1	VZ609N
VF/VS418	1	VZ610N



VZ630N

Transparent Doors (polycarbonate)

To suit	Pack	Cat ref.
VF/VS104	1	VZ621N
VF/VS108	1	VZ622N
VF/VS112	1	VZ623N
VF/VS212	1	VZ624N
VF/VS312	1	VZ625N
VF/VS412	1	VZ626N
VF/VS118	1	VZ627N
VF/VS218	1	VZ628N
VF/VS318	1	VZ629N
VF/VS418	1	VZ630N



Earthed metal back plate

To suit	Pack	Cat ref.
VF108	1	VF108BP
VF112	1	VF112BP
VF118	1	VF118BP
VF212	1	VF212BP
VF218	1	VF218BP
VF312 (available early 2015)	1	VF312BP
VF318	1	VF318BP
VF412	1	VF412BP
VF418	1	VF418BP



VZ794N

Key Lock

Description	Pack	Cat ref.
Supplied with 2 keys	1	VZ794N

Our home networking enclosures allow you to combine mains distribution boards with home networking or as a stand alone enclosure.

Features:

- True flush mounting base on 18 pole wide enclosures
- Steel mounting pan
- Vented door
- DIN rail (12 mods wide)

Flush mount features:

- Vertical Double GPO
- Slider (incorporates GPO mounting block).

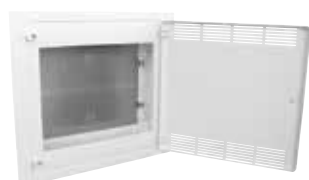
NOTE: Joining double slider for use with 18 module wide flush enclosures only.



VS218PZD

Surface mount enclosures

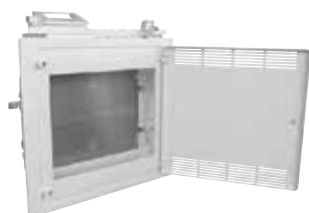
Description	Size in mm	Cat ref.
Surface enclosure with	460w x 418h	VS218PZD
- Vented door	460w x 543h	VS318PZD
- Mounting pan	460w x 688h	VS418PZD



VF218PZD

Flush mount enclosures

Description	Size in mm	Cat ref.
Flush enclosure with	460w x 418h	VF218PZD
- Vented door	460w x 543h	VF318PZD
- Double vertical GPO	460w x 688h	VF418PZD
- Mounting pan		
- DIN		
- Single slider		



VF218VZE

Extension box

Description	Size in mm	Cat ref.
218 sized flush enclosure with:	460w x 418h	VF218PZE
- Vented door		
- Mounting pan		
- Double Vertical GPO		
- DIN		
- Double slider for combining with any VFX18 golf enclosure		



VZ850N

Sliders

Description	Suits	Cat ref.
Double slider (combines two enclosures)	VFX18	VZ850N
Single slider	VFX18	VZ852N

The components that come supplied as standard within our media enclosures are also available separately.

Additional patching modules in Cat6 & Cat6 shielded, F-type modules, telephone splitters and other accessories are also available separately.

The TN003S & TN002S Cat6 UTP & STP patch modules provide a toolless wiring system (no punch down required) with positive cable retention ensuring every cable remains in place and stays connected.

The 2 in 8 out telephone splitter can be bridged to give a 1 in 8 out configuration if required.



TN010S TN002S



TN131



VZ853N



TN735B

Accessories

Description	Characteristics	Cat ref.
Connectors	RJ45 Cat 6 STP patch modules	TN002S
	RJ45 Cat 6 UTP patch modules	TN003S
	Coax F/F module	TN010S
Telephone splitter	1 input / 4 output	TN131
	2 input / 8 output	TN111
Din rail	12 pole length	VZ854N
Patch cables	RJ45 Cat 6 patch cable 0.3m	TN733B
	RJ45 Cat 6 patch cable 0.5m	TN735B
	RJ45 Cat 6 patch cable 1m	TN740B
Doors	to suit VF/VS218 with vents - opaque	VZ855N
	to suit VF/VS318 with vents - opaque	VZ856N
	to suit VF/VS418 with vents - opaque	VZ857N
Segregation Plate	for VZ850N	VZ851N
Cog mounting plate	for Cog rail mount type devices	VZ853N
Key Lock		VZ794N

Description

For use as a switch isolator in all types of circuits. As defined in AS/NZS3000-2007, clause 2.3.3.2, domestic installations require no more than one main switch for each metered supply.

Technical data

AC 22B duty specification (mixed resistive and inductive loads. Not motors)

Connection capacity

- In: 40, 63, 80A
- 25mm² rigid cables
- 16mm² flexible cables
- In: 63A & 100A
- 50mm² rigid cables
- 35mm² flexible cables



SBR163

Single pole Isolating switches



Characteristics	Width	Cat ref
1 x 40A 250V~	1 mod	SBR140
1 x 63A 250V~	1 mod	SBR163
1 x 80A 250V~	1 mod	SBR180
1 x 100A 250V~	1 mod	SBR190



SBR263

Double pole Isolating switches



Characteristics	Width	Cat ref
2 x 40A 250V~	2 mod	SBR240
2 x 63A 250V~	2 mod	SBR263
2 x 80A 250V~	2 mod	SBR280
2 x 100A 250V~	2 mod	SBR290



SBR399

Triple pole Isolating switches

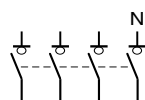


Characteristics	Width	Cat ref
3 x 40A 400V~	3 mod	SBR340
3 x 63A 400V~	3 mod	SBR363
3 x 80A 400V~	3 mod	SBR380
3 x 100A 400V~	3 mod	SBR390
3 x 125A 400V~	3 mod	SBR399



SBR490

Four pole Isolating switches



Characteristics	Width	Cat ref
4 x 63A 400V~ neutral right	4 mod	SBR463
4 x 100A 400V~ neutral right	4 mod	SBR490

Description
Protection and control of circuits against overloads and short-circuits in residential installations.

Technical data

- Complies with AS/NZS 60898
- Tripping characteristics: magnetic level is set at 5 - 10 x I_n(C - curve)
- Breaking capacity: 6000A
- Voltage rating: 240/415V AC
- Current rating: 6 to 63A
- Mechanical life: 20,000 operations

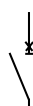
- Bi-connect allowing two connection points

Connection capacity

- 25mm² rigid
- 16mm² flexible



Single pole



Current Rating (A)	Width	Pack Qty	Cat ref
6	1 mod	12	MSN106
10	1 mod	12	MSN110
13	1 mod	12	MSN113
16	1 mod	12	MSN116
20	1 mod	12	MSN120
25	1 mod	12	MSN125
32	1 mod	12	MSN132
40	1 mod	12	MSN140
50	1 mod	12	MSN150
63	1 mod	12	MSN163
63	1 mod	12	MSN163R



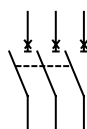
Double pole



Current Rating (A)	Width	Pack Qty	Cat ref
6	2 mod	6	MSN206
10	2 mod	6	MSN210
16	2 mod	6	MSN216
20	2 mod	6	MSN220
25	2 mod	6	MSN225
32	2 mod	6	MSN232
40	2 mod	6	MSN240
50	2 mod	6	MSN250
63	2 mod	6	MSN263



Triple pole



Current Rating (A)	Width	Pack Qty	Cat ref
6	3 mod	4	MSN306
10	3 mod	4	MSN310
16	3 mod	4	MSN316
20	3 mod	4	MSN320
25	3 mod	4	MSN325
32	3 mod	4	MSN332
40	3 mod	4	MSN340
50	3 mod	4	MSN350
63	3 mod	4	MSN363

Description

RCBO's are compact combination devices which provide MCB overcurrent protection & earth leakage protection. The Type A devices, with line neutral switched, are available with various current ratings ranging from 10A - 40A.

Type A devices are designed with intrinsic features that can detect AC as well as pulsating DC residual currents.

The type A device filters out interference from modern day appliances such as TV's washing machines and LED lighting, that can potentially prevent the device from operating accurately.

Features

- Earth fault indication window
- Trip free mechanisms

1 mod connection capacity

- 10mm² flexible
- 16mm² rigid

2 mod connection capacity

- 16mm² flexible
- 25mm² rigid

Specifically designed for DIN rail enclosures

Accessories

- Toggle locking device



ADC320T

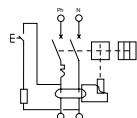
1 module RCBO 6ka Type A

Residual current I _{rn}	Current rating (A)	Width	Cat ref
30mA	10A	1 mod	ADC310T
30mA	13A	1 mod	ADC313T
30mA	16A	1 mod	ADC316T
30mA	20A	1 mod	ADC320T
30mA	25A	1 mod	ADC325T



ADA910T

2 module RCBO 6ka Type A



Residual current I _{rn}	Current rating (A)	Width	Cat ref
10mA	10A	2 mod	ACA910T
10mA	13A	2 mod	ACA913T
10mA	16A	2 mod	ACA916T
30mA	10A	2 mod	ADA910T
30mA	13A	2 mod	ADA913T
30mA	16A	2 mod	ADA916T
30mA	20A	2 mod	ADA920T
30mA	25A	2 mod	ADA925T
30mA	32A	2 mod	ADA932T
30mA	40A	2 mod	ADA940T

Description

The safety switch is designed to open a circuit automatically in the case of a fault between phase and earth and/or neutral and earth, greater than or equal to rated tripping current. Use in domestic, commercial or industrial installations.

Features

- Conforms with IEC 60898-1, 60947-2 and AS/NZS 61008.1
- Voltage rating, 230/415V~
- Positive contact indication windows
- Earth fault indication window
- Trip free mechanisms

Connection capacity

- 25mm² - Rigid (50mm² for 80A, 100A)
- 16mm² - Flexible (35mm² for 80A, 100A)

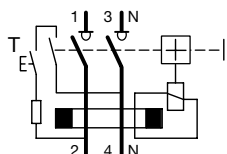
Accessories

- Auxiliary & alarm contacts
- Toggle locking device
- Neutral links
- Shunt trip
- Undervoltage release



CDA240T

Residential Double pole

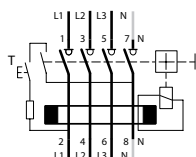


Description	Residual current I _{rn}	Current rating (A)	Width	Cat ref.
Type A	30mA	25A	2 mod	CDA225T
	30mA	40A	2 mod	CDA240T
	30mA	63A	2 mod	CDA263T
Type AC	30mA	80A	2 mod	CD280T
	30mA	100A	2 mod	CD284T

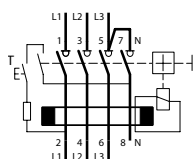


CDA440T

Residential Four pole



Description	Residual current I _{rn}	Current rating (A)	Width	Cat ref.
Type A	30mA	25A	4 mod	CDA425T
	30mA	40A	4 mod	CDA440T
	30mA	63A	4 mod	CDA463T
	30mA	80A	4 mod	CD481T
	30mA	100A	4 mod	CD485T



Description

A range of connection devices to simplify installation of modular devices such as MCB's, RCD's etc...



KDN180A

Insulated busbars - Fork type

Characteristics	Width	Cat ref
1 phase 80A	12 mod	KDN180A
1 phase 80A	18 mod	KDN180G
2 phase 80A	12 mod	KDN280A
3 phase 80A	12 mod	KDN380A
3 phase 80A	18 mod	KDN380G



KB181GI

Insulated busbars - Tongue type

Characteristics	Width	Cat ref
6 tongue	12 mod	KB181A1
9 tongue	18 mod	KB181G1



KZ059

Insulated caps

Description	Characteristics	Cat ref
Busbar end caps	Suits KDN1xx & KB181xx	KB181A1
Busbar end caps	Suits KDN2XX/KDN3XX	KB181G1
Fork caps - yellow		KZ059



KRN163

Cable Connectors

Characteristics	Cat ref
Tongue type connection from top for cables: 25mm	KF81A
Tongue type connection from top for cables: 2 x 16mm	KF82A
Tongue type connection from side for cables: 35mm ²	KF83A
Tongue type connection from side of cables: 35mm ² with longer tongue	KF83D
Tongue type connection from side of cables: 35mm ² with longer insulated tongue	KF83F
Fork type connection from side for cables: 25mm ²	KF84A
DIN mounted	KRN163



KM03A

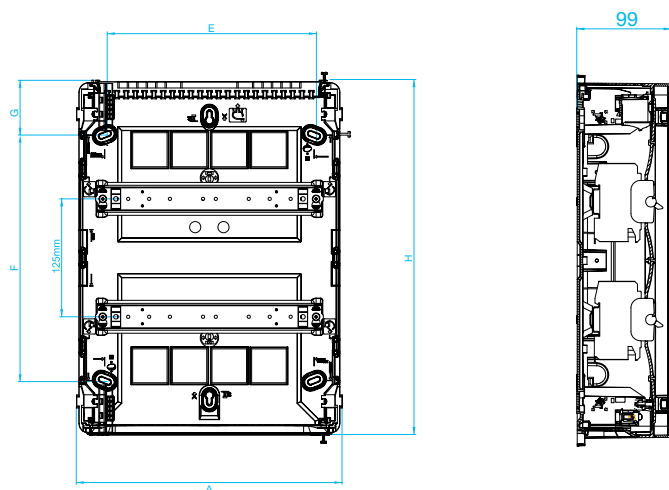
Other accessories

Description	Characteristics	Cat ref
RCD neutral links	3 tunnel link for fitting to RCD's	KM03A
Cable adaptor	35mm ² to suit golf enclosure	KM035

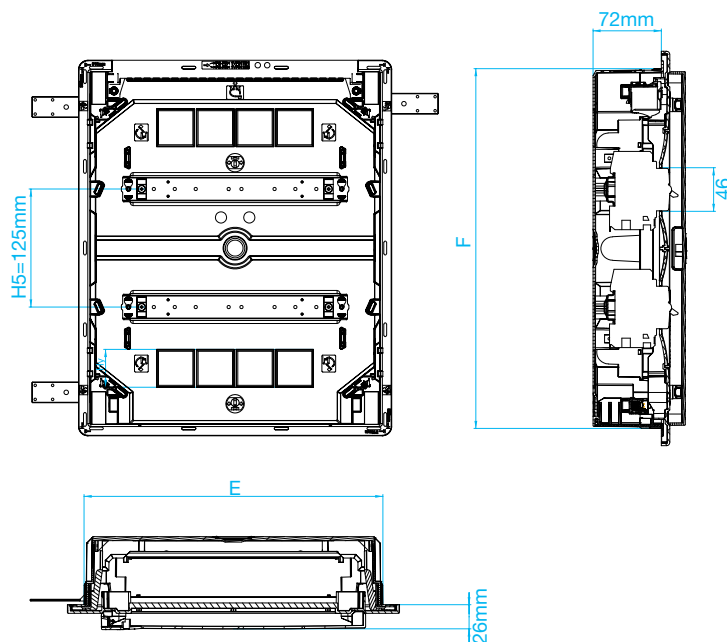
Cable entries

top/bottom

- One side of the surface enclosure is designed for use of trunking and knock outs. The other side of the enclosure has dimples located for the various sizes of conduit entries, 20mm, 25mm, 32mm and 40mm. The enclosure is symmetrical through 180°.
- For flush enclosures, Precut with diameters 20, 25, 32 and 40mm, the wall box is 180° rotatable, to provide slider position on top or bottom.



Surface Ref		Dimension		Wall fixation		
		A	H	E	F	G
VS104...	1 row 4	138	184	101	68	58
VS108...	1 row 8	210	184	174	68	58
VS112...	1 row 12	282	252	222	136	58
VS212...	2 row 12	282	377	222	261	58
VS312...	3 row 12	282	500	222	386	58
VS412...	4 row 12	282	647	222	491	78
VS118...	1 row 18	390	252	330	136	58
VS218...	2 row 18	390	377	330	261	58
VS318...	3 row 18	390	500	330	386	58
VS418...	4 row 18	390	647	330	491	78
VS122...	1 row 22	462	252	402	136	58



Flush Ref		Dimension		Wall Cut Out	
		A	H	E	F
VF104...	1 row 4	204	225	170	189
VF108...	1 row 8	275	225	242	189
VF112...	1 row 12	352	293	318	257
VF212...	2 row 12	352	418	318	382
VF412...	4 row 12	352	688	318	652
VF118...	1 row 18	460	293	426	257
VF218...	2 row 18	460	418	426	382
VF318...	3 row 18	460	543	426	507
VF418...	4 row 18	460	688	426	652
VF122...	1 row 22	532	293	498	257

For the wall cut out, these dimensions are minimal.
Depth must always be 72mm min.

Cutout for combined boards utilising double slider (Flush enclosures only)

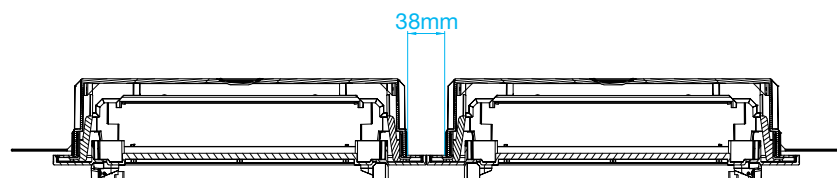
When connecting 2 x VFx18 enclosures with a double slider, an additional 38mm must be added to the total cutout height of the boards.

e.g. VF118PT joining with a VF218PZD = 257mm + 382mm + 38mm.

Total height for the cutout = 677mm.

Width of the cutout remains consistent at 426mm.

NOTE: Joining double slider for use with 18 module wide flush enclosures only.



				
	MSNxxx	ADCxxxT	ADAxxxT	CDAxxxT
	1P, 2P & 3P MCBs	1 mod. RCBOs	2 mod. RCBOs	2P & 4P RCCBs
Rated current (In):	6A to 63A	10A to 32A	10A to 40A (30mA) ; 10A to 16A (10mA)	25A to 63A
Rated voltage (Un)	230V to 240V (1P & 2P), 400V to 415V (3P)	240V	240V	240V
Curve Type:	C	C	C	-
Rated residual operating current (IΔn)	-	30mA	10mA, 30mA	30mA
Operating characteristic:	-	Type A	Type A	Type A
Rated Frequency:	50/60Hz	50Hz	50Hz	50Hz
Rated short-circuit capacity (Icn):	6000A	6000A	6000A	-
Residual making and breaking capacity	-	4500A	4500A	1500A
IP rating:	IP2x terminals	IP2x terminals	IP2x terminals	IP2x terminals
Standard:	AS/NZS 60898	AS/NZS 61009-1	AS/NZS 61009-1	AS/NZS 61009-1
Approval:	RCM logo	RCM logo	RCM logo	RCM logo
Maximum service voltage:	60V	253V	240V	240V (2P) - 415V (4P)
Minimum service voltage:	250/440V	85V	127V	127V (2P) - 240V (4P)
Technology	-	Line voltage dependent tripping	Line non-voltage dependent tripping	Line non-voltage dependent tripping
Power supply (line side):	Feed either top or bottom	Bottom	Feed either top or bottom	Feed either top or bottom
Isolation application:	Yes (IEC 60898)	Yes (IEC 61009-1)	Yes (IEC 61009-1)	Yes (IEC 61008-1)
Operating temperature:	-25°C to + 60°C	- 5°C to + 55 °C	-25°C to + 40°C	-25°C to + 40°C
Storage temperature:	-25°C to + 80°C	- 25°C to + 80 °C	-55°C to + 70°C	-55°C to + 70°C
Terminal capacity (top):	Rigid or stranded conductor: 1 mm² to 25 mm²	Rigid or stranded conductor: 1 mm² to 16 mm² (or 2x 6 mm²)	Rigid or stranded conductor: 1 mm² to 25 mm²	Rigid or stranded conductor: 1 mm² to 25 mm²
Terminal capacity (bottom):	Rigid or stranded conductor: 1 mm² to 25 mm²	Rigid or stranded conductor: 1 mm² to 16 mm²	Rigid or stranded conductor: 1 mm² to 25 mm²	Rigid or stranded conductor: 1 mm² to 25 mm²
Terminal torque (top/bottom):	2.5 Nm nominal with size 2 pozidrive screw head and 6mm slot	2.3 Nm nominal with size 2 pozidrive screw head and 6mm slot	2 Nm nominal with size 2 pozidrive screw head and 6mm slot	2.8 Nm nominal with size 2 pozidrive screw head and 6mm slot
Busbar system:	Yes, fork	Yes, fork	Yes, fork	Yes, fork
Neutral lead length:	NA	1000 mm	NA	NA

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