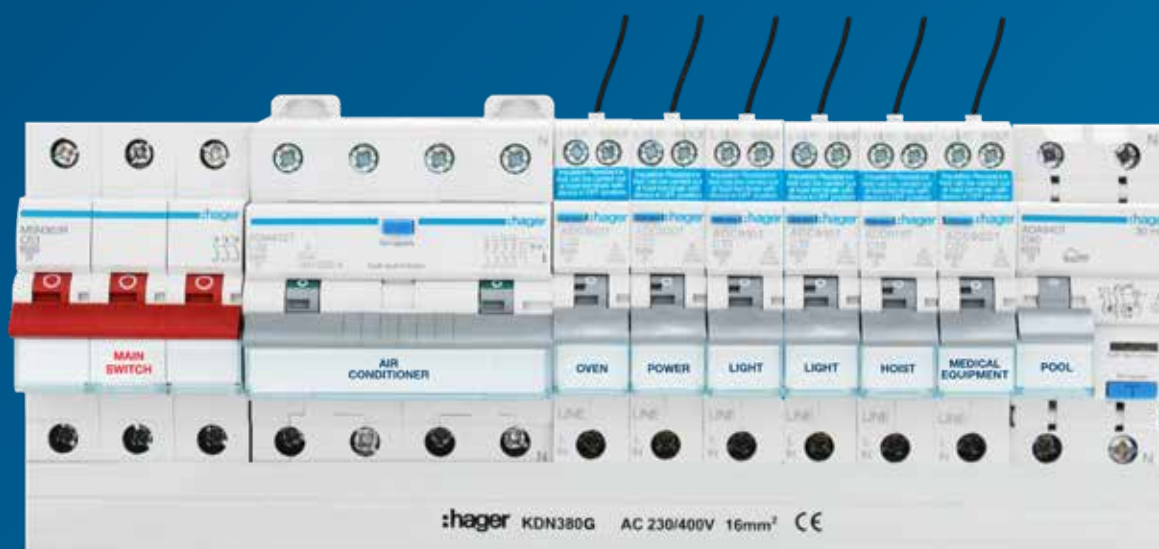


onekonekt modular  
protection devices

one range, one busbar,

one solution



:hager

# **onekonekt: easier, faster, safer**

**With a unique concept in mind of “one range, one busbar, one solution” we have developed the onekonekt system where all our modular protection devices including main switches, RCBOs, RCCBs and MCBs fit on our single or 3 phase busbar.**

**A system that not only works perfectly in combination with our golf range of surface and flush DIN enclosures but also fits our invicta range of panelboards for larger installations, making it the most versatile system for residential and commercial installation today.**

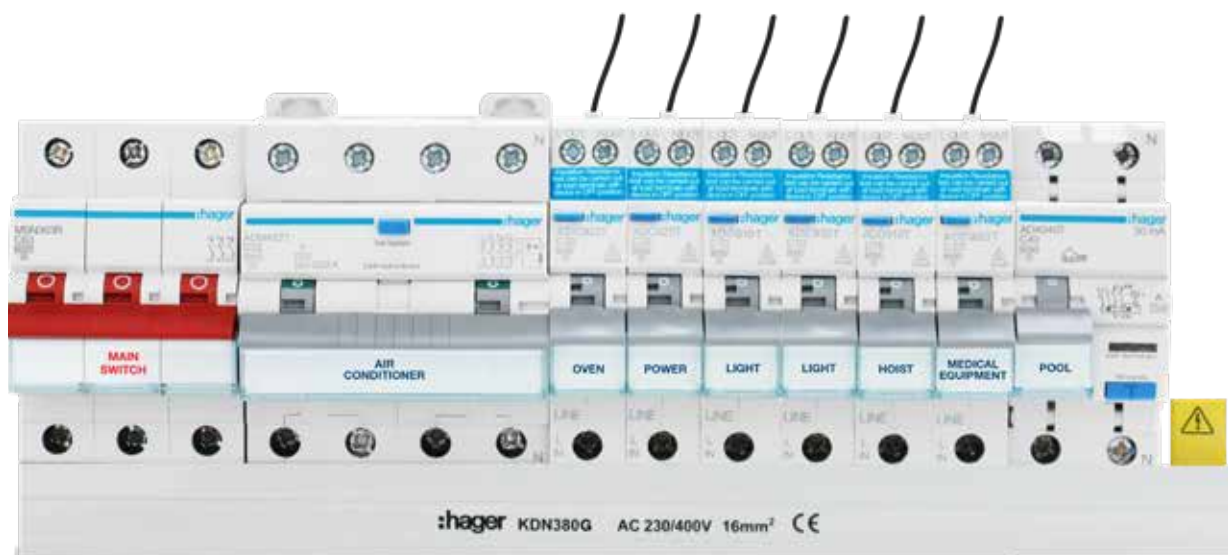
# onekonekt modular protection devices Index

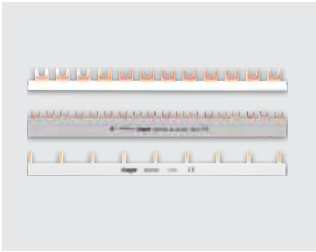
|                                  |    |
|----------------------------------|----|
| onekonekt expert tips            | 04 |
| onekombo expert tips             | 06 |
| Wiring Habits                    | 08 |
| onekonekt and golf               | 10 |
| onekombo and invicta             | 12 |
| Isolating Switches               | 14 |
| MCBs                             | 15 |
| RCBOs                            | 18 |
| RCCBs                            | 20 |
| Add-On-Block                     | 23 |
| Insulated busbars and connectors | 24 |
| Surge Protection                 | 25 |
| golf Range                       | 26 |
| invicta Range                    | 27 |

# onekonekt Residential system easier, faster, safer

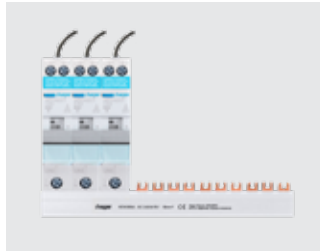
Our onekonekt system offers one of the most versatile and flexible solutions to electricians on the market today. The use of busbar in our industry is not a new concept whereas providing a full range of residential protection devices for both single phase and three phase

installations that connect to the same busbar, definitely is. Ultimately, Hager's onekonekt system increases safety, reduces installation time and improves technical characteristics in any application.

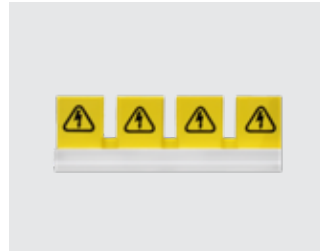




Single phase or 3 phase 80A busbar simplifies the board connection and drastically decreases the number of cables.



Busbar is held in position prior to tightening terminals with our unique clip system, leaving one hand free.



Unused forks can remain in-situ for future use. Busbar and endcaps ensure IP2x insulation - no direct contact with live parts, even with an open board.



All Hager Modular Protection Devices can be connected with either a single phase or a three phase busbar.



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



Our RCCBs, 2 module and 4 module RCBOs, have a fully insulated neutral busbar slot so there is no need to cut the forks off the bar.



The bi-stable DIN clip ensures easy removal of a single product on the fork busbar without disconnecting other devices or wiring.



Identification of circuits reflects your professional touch. The label holders are a neat and durable protection for the labels.

# From complex to compact

## RCBO onekombo and 4 poles



Hager's single module RCBO with switched neutral offers a breaking capacity of 6kA and can be integrated with other modular protection devices on a simple busbar or in our invicta panelboards.

### 1P+N RCBO characteristics:

|  |               |
|--|---------------|
| Rated current (I <sub>n</sub> ):                     | 6A to 32A     |
| Rated voltage (U <sub>n</sub> ):                     | 230V~ / 240V~ |
| Rated residual operating current (I <sub>Δn</sub> ): | 10mA, 30mA    |
| Curve type:  | C, D          |
| Operating characteristic:                            | Type A        |
| Rated frequency:                                     | 50Hz          |
| Rated short-circuit capacity (I <sub>cn</sub> ):     | 6kA           |
| Standards compliance:                                | AS/NZS 61009  |



Our 4 pole RCBO combines RCD and MCB protection in a 4 module wide device and is compatible with our onekonekt system... 3 phase protection in DIN rail switchboards has never been as simple and space saving.

### 4P RCBO characteristics:

|  |              |
|--|--------------|
| Rated current (I <sub>n</sub> ):                     | 6A to 40A    |
| Rated voltage (U <sub>n</sub> ):                     | 415V~        |
| Rated residual operating current (I <sub>Δn</sub> ): | 30mA, 100mA  |
| Curve type:  | C            |
| Operating characteristic:                            | Type A       |
| Rated frequency:                                     | 50Hz         |
| Rated short-circuit capacity (I <sub>cn</sub> ):     | 6kA          |
| Standards compliance:                                | AS/NZS 61009 |



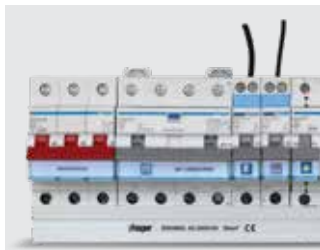
Equipped with a Neutral-in 1 metre long fly lead, the 1 module RCBO has one less cable to connect, reducing installation time.



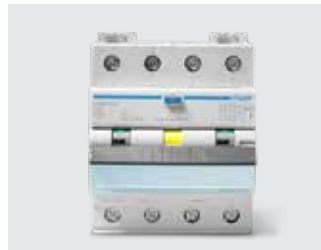
With the 1P+N RCBO, insulation resistance test can be carried out without disconnecting outgoing conductors.



When installed on the AC side of an inverter, our 1P+N RCBO detects fault current from either the main supply or the inverter output.



With its isolated neutral fork terminal, the 4 pole RCBO fits smoothly on a 3 phase busbar for a more efficient installation.



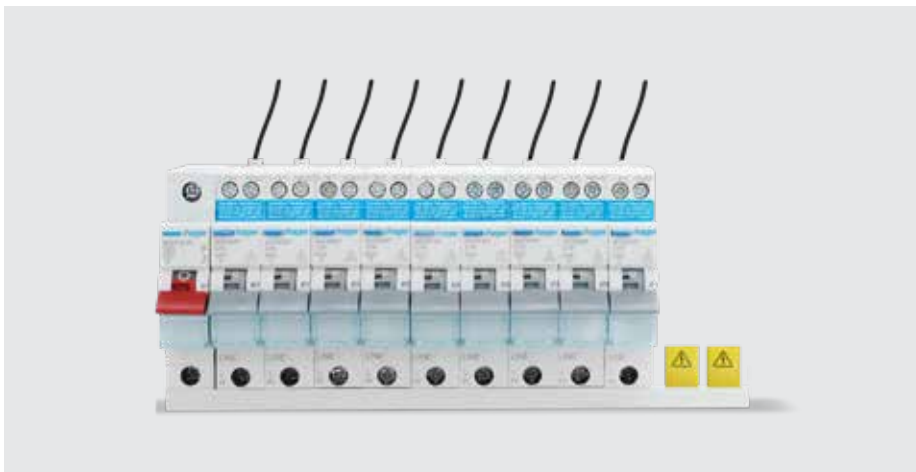
To assist in fault finding, the 4 pole RCBO has an earth fault trip indicator displayed in a separate window.



The 4P RCBO is suitable for unbalanced and balanced loads when 415V AC is between phases.

# onekonekt: accommodating all your wiring habits

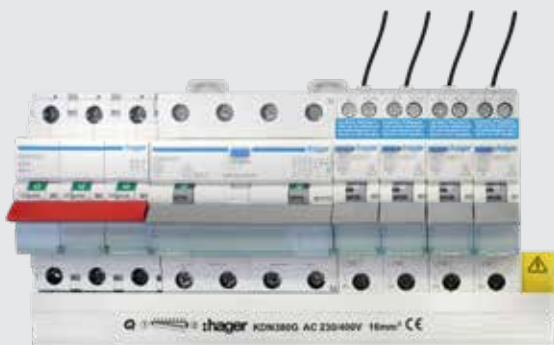
Electricians have their own style and method they are comfortable with when it comes to installing protection switchgear. RCBOs, RCCBs, MCBs and main switches are typically wired for single or three phase installations. Our onekonekt system offers electrical contractors the flexibility and choice to connect all of our modular protection devices, regardless of the combination with one type of busbar.



## 01 Best practice Single phase

Where residual current protection is required, an RCBO can be used to protect each final sub-circuit. This isolates the fault to the only circuit affected avoiding the risk of a black out and will simplify fault identification. As it is a compact device, space and cost savings can be achieved by using a smaller footprint and smaller enclosure.





## 02 Best practice Three phase

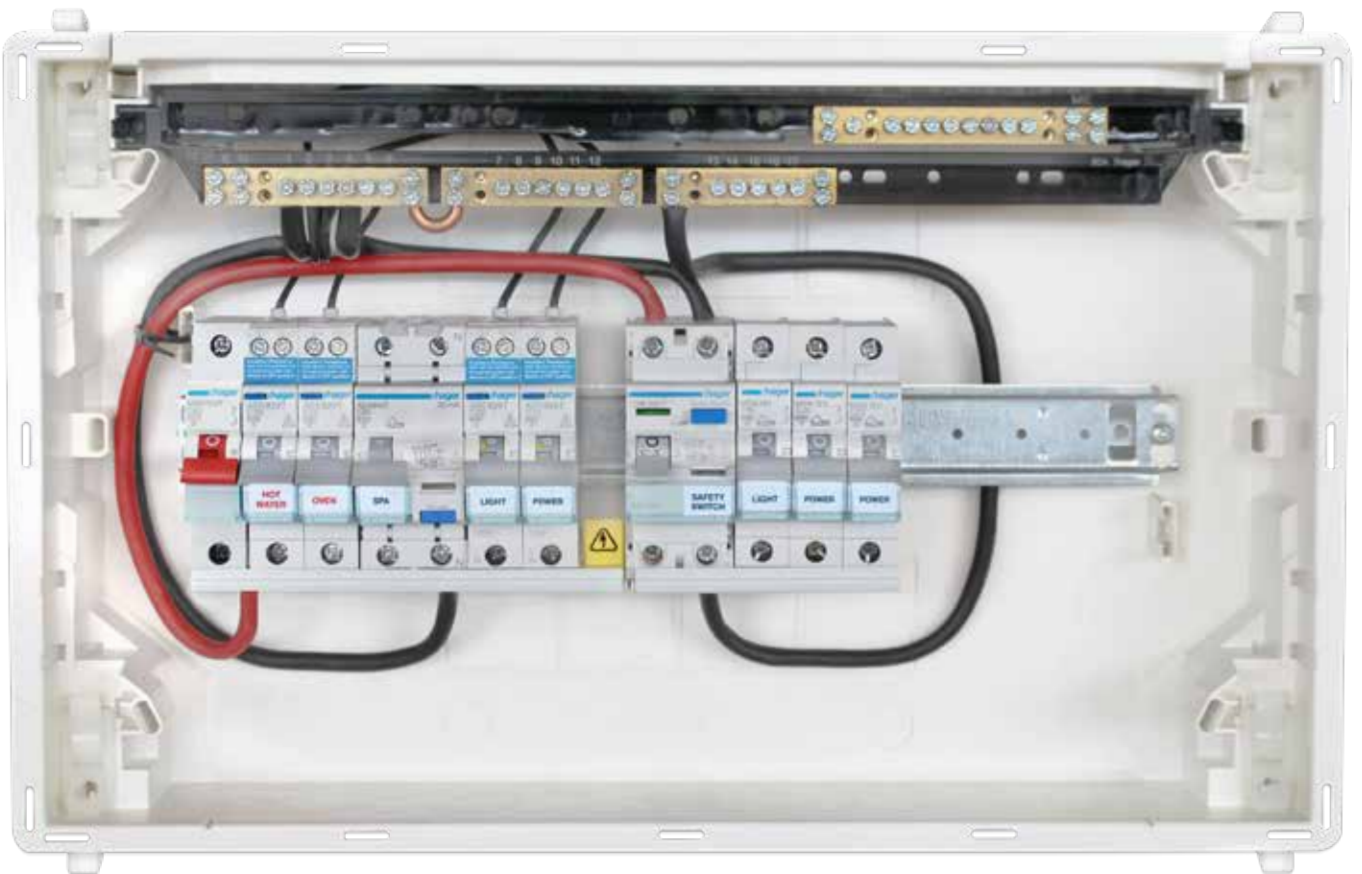
In the same way, all devices fit smoothly on a 3 phase busbar. The 4P RCBO is as fast and easy to install with its isolated neutral fork terminal.



## 03 Compliant Solution

Use of a main switch plus RCCBs and MCBs are needed to meet the minimum requirement of the wiring rules for residential installations. The onekonekt system allows all devices to be connected on the same busbar.

# onekonekt and golf flexibility in residential installation



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

Our golf enclosures are available in flush or surface series and from 4 to 72 ways. Each enclosure is supplied with an extensive range of accessories, including the fork busbar.



## VF Series Flush

The golf VF enclosure is quickly and easily installed after plastering of walls is complete.



## Marking of cut-outs

Openings in the lip allow for marking of the cut-outs on the plaster board.



## Easy wall box mounting

The wall box is reversible and has a wide detachable cable entry for easy mounting.



## Instant fixing

A range of fixing options for instant mounting in the wall cavity. Uniquely designed hollow wall clamps allows for quicker installation.



## VS Series Surface

Our surface mounted golf enclosure is a functional board created for all applications with ample wiring space.



## Snap-in PE/N terminal strips

The terminal strips can be easily mounted by snapping into place allowing easier cable dressing.



## Cable management

With integrated fixation for cable ties or height-adjustable cable retainers, it allows for clean and convenient wiring.



## Unbreakable door hinges

Symmetrical door installation: Door hinges can be mounted on the left or right. Swift and safe cover fixing with 1/4 turn.

# onekombo and invicta space saving in commercial panelboards

Available in 24, 36, 48, 60 & 72 pole, our invicta panelboard range is ideal for the large home, light commercial or retail applications.

The “onekombo” one module RCBO (ADC9xxT) can be chassis mounted in the invicta panelboard. This product has a facility testing function which eases commissioning.

To guarantee protection against direct contact with active parts, we provide safety caps and safety pole fillers in our invicta panelboards. They remain on the chassis after removal of escutcheon to maintain IP2x.





For 3 phase RCBO protection, Hager's compact one module wide Add-on Block is designed to be chassis mounted and can be used with any 3 pole MCB up to 63A.

The RCD Add-On Block + MCB combination provides the protective characteristics of both devices, thereby protecting the load of the entire circuit and removing the need to wire between DIN mounted RCD and MCB.

This results in a significant reduction of install time, labour and space within the board.

**Single module ADC9  
RCBOs can be  
swiftly mounted in  
invicta panelboards.**



### Description

For use as a switch isolator in all types of circuits. As defined in AS/NZS 3000, the supply to every installation shall be controlled by a main switch or switches that control the whole installation. Positive contact

indication, with ON position 'I' in red and OFF position 'O' in green.

### Technical data

- AC 22B utilisation category (mixed resistive and inductive loads. Not motors)

- PZ2 terminal screw for all ratings.
- Comply with AS/NZS IEC 60947-3 and IEC 60669-2-4 for 40A ratings

- 25mm<sup>2</sup> rigid cables
- 16mm<sup>2</sup> flexible cables
- In: 63A ongoing
- 50mm<sup>2</sup> rigid cables
- 35mm<sup>2</sup> flexible cables



### Connection capacity

- In: 40A



SBR164

### Single pole



| Characteristics | Width | Cat ref.      |
|-----------------|-------|---------------|
| 1 x 40A 230V~   | 1 mod | <b>SBR140</b> |
| 1 x 63A 230V~   | 1 mod | <b>SBR164</b> |
| 1 x 80A 230V~   | 1 mod | <b>SBR180</b> |
| 1 x 100A 230V~  | 1 mod | <b>SBR190</b> |



SBR264

### Double pole

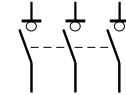


| Characteristics       | Width | Cat ref.      |
|-----------------------|-------|---------------|
| 2 x 40A 230 to 400V~  | 2 mod | <b>SBR240</b> |
| 2 x 63A 230 to 400V~  | 2 mod | <b>SBR264</b> |
| 2 x 80A 230 to 400V~  | 2 mod | <b>SBR280</b> |
| 2 x 100A 230 to 400V~ | 2 mod | <b>SBR290</b> |



SBR399

### Triple pole

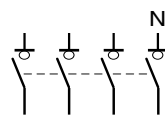


| Characteristics | Width | Cat ref.      |
|-----------------|-------|---------------|
| 3 x 40A 400V~   | 3 mod | <b>SBR340</b> |
| 3 x 63A 400V~   | 3 mod | <b>SBR364</b> |
| 3 x 80A 400V~   | 3 mod | <b>SBR380</b> |
| 3 x 100A 400V~  | 3 mod | <b>SBR390</b> |
| 3 x 125A 400V~  | 3 mod | <b>SBR399</b> |



SBR490

### Four pole



| Characteristics              | Width | Cat ref.      |
|------------------------------|-------|---------------|
| 4 x 63A 400V~ neutral right  | 4 mod | <b>SBR464</b> |
| 4 x 100A 400V~ neutral right | 4 mod | <b>SBR490</b> |



ESC080

### Auxiliary contacts



| Characteristics  | Width   | Cat ref.      |
|--|---------|---------------|
| 1NO + 1NC 6A AC1   | 0.5 mod | <b>ESC080</b> |
| For remote indication, mechanical indicator to show the position of the contact. Maximum one auxiliary module per isolator device (left fitting) |         |               |

### Description

Protection and control of circuits against overloads and short-circuits by isolating the circuit according to AS/NZS 3000.

The colour of the toggle on the MSNx63R gives a differentiation when used as a main switch device.

### Technical data

- AS/NZS 60898
- Tripping curve - 'C' magnetic setting between 5 and 10x I<sub>n</sub>
- Breaking capacity: 6,000A
- Voltage rating: 240/415V AC
- Not for use on DC voltage
- Current rating: 6 to 63A
- Bi-connect terminals enable supply from either cables in the cage or fork busbars in the slot.

### Connection capacity

- 25mm<sup>2</sup> rigid
- 16mm<sup>2</sup> flexible



### Accessories for MSN3xx & MSNx63R

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121, Bx163T

### Single pole



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



MSN163

MSN163R

### Double pole



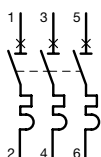
| Current Rating (A) | Width | Pack Qty | Cat ref.       |
|--------------------|-------|----------|----------------|
| 6                  | 2 mod | 6        | <b>MSN206</b>  |
| 10                 | 2 mod | 6        | <b>MSN210</b>  |
| 16                 | 2 mod | 6        | <b>MSN216</b>  |
| 20                 | 2 mod | 6        | <b>MSN220</b>  |
| 25                 | 2 mod | 6        | <b>MSN225</b>  |
| 32                 | 2 mod | 6        | <b>MSN232</b>  |
| 40                 | 2 mod | 6        | <b>MSN240</b>  |
| 50                 | 2 mod | 6        | <b>MSN250</b>  |
| 63                 | 2 mod | 6        | <b>MSN263</b>  |
| 63                 | 2 mod | 6        | <b>MSN263R</b> |



MSN220

MSN263R

### Triple pole



| Current Rating (A) | Width | Pack Qty | Cat ref.       |
|--------------------|-------|----------|----------------|
| 6                  | 3 mod | 4        | <b>MSN306</b>  |
| 10                 | 3 mod | 4        | <b>MSN310</b>  |
| 16                 | 3 mod | 4        | <b>MSN316</b>  |
| 20                 | 3 mod | 4        | <b>MSN320</b>  |
| 25                 | 3 mod | 4        | <b>MSN325</b>  |
| 32                 | 3 mod | 4        | <b>MSN332</b>  |
| 40                 | 3 mod | 4        | <b>MSN340</b>  |
| 50                 | 3 mod | 4        | <b>MSN350</b>  |
| 63                 | 3 mod | 4        | <b>MSN363</b>  |
| 63                 | 3 mod | 4        | <b>MSN363R</b> |



MSN320



MSN363R



### Description

Protection and control of circuits against overloads and short-circuits by isolating the circuit according to AS/NZS 3000.

The colour of the toggle on the MDNx63R gives a differentiation when used as a service protection device.

### Technical data

- AS/NZS 60898
- Tripping curve - 'D' magnetic setting between 10 and 20 x I<sub>n</sub>
- Breaking capacity: 6,000A
- Voltage rating: 240/415V AC
- Not for use on DC voltage
- Current rating: 6 to 63A
- Bi-connect terminals enable supply from either cables in the cage or

busbars in the slot.



### Connection capacity

- 25mm<sup>2</sup> rigid
- 16mm<sup>2</sup> flexible

### Accessories for MDNxxx

- LZ060, MZN175, MZ201, MZ202, MZ203, MZ204, MZ206, MZN120, MZN121, Bx163T



MDN116P MDN163R

### Single pole



| Current Rating (A) | Width | Pack Qty | Cat ref.       |
|--------------------|-------|----------|----------------|
| 6                  | 1 mod | 12       | <b>MDN106P</b> |
| 10                 | 1 mod | 12       | <b>MDN110P</b> |
| 16                 | 1 mod | 12       | <b>MDN116P</b> |
| 20                 | 1 mod | 12       | <b>MDN120P</b> |
| 25                 | 1 mod | 12       | <b>MDN125P</b> |
| 32                 | 1 mod | 12       | <b>MDN132P</b> |
| 40                 | 1 mod | 12       | <b>MDN140P</b> |
| 50                 | 1 mod | 12       | <b>MDN150P</b> |
| 63                 | 1 mod | 12       | <b>MDN163P</b> |
| 63                 | 1 mod | 12       | <b>MDN163R</b> |



MDN232P MDN263R

### Double pole

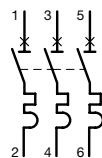


| Current Rating (A) | Width | Pack Qty | Cat ref.       |
|--------------------|-------|----------|----------------|
| 6                  | 2 mod | 6        | <b>MDN206P</b> |
| 10                 | 2 mod | 6        | <b>MDN210P</b> |
| 16                 | 2 mod | 6        | <b>MDN216P</b> |
| 20                 | 2 mod | 6        | <b>MDN220P</b> |
| 25                 | 2 mod | 6        | <b>MDN225P</b> |
| 32                 | 2 mod | 6        | <b>MDN232P</b> |
| 40                 | 2 mod | 6        | <b>MDN240P</b> |
| 50                 | 2 mod | 6        | <b>MDN250P</b> |
| 63                 | 2 mod | 6        | <b>MDN263P</b> |
| 63                 | 2 mod | 6        | <b>MDN263R</b> |



MDN316P

### Triple pole



| Current Rating (A) | Width | Pack Qty | Cat ref.       |
|--------------------|-------|----------|----------------|
| 6                  | 3 mod | 4        | <b>MDN306P</b> |
| 10                 | 3 mod | 4        | <b>MDN310P</b> |
| 16                 | 3 mod | 4        | <b>MDN316P</b> |
| 20                 | 3 mod | 4        | <b>MDN320P</b> |
| 25                 | 3 mod | 4        | <b>MDN325P</b> |
| 32                 | 3 mod | 4        | <b>MDN332P</b> |
| 40                 | 3 mod | 4        | <b>MDN340P</b> |
| 50                 | 3 mod | 4        | <b>MDN350P</b> |
| 63                 | 3 mod | 4        | <b>MDN363P</b> |
| 63                 | 3 mod | 4        | <b>MDN363R</b> |



MDN363R






### Description

Auxiliaries are common to all D curve and C curve 3P MCBs. These auxiliaries are fitted to the left hand side of the devices.

### Connection

- 10mm<sup>2</sup> rigid
- 6mm<sup>2</sup> flexible

### Accessories

| Description   | Characteristics  | Width in 17.5mm | Cat ref.      |
|---|--|-----------------|---------------|
| Auxiliary contacts 6A - 240V~<br>              | 1NO + 1NC allows remote indication of main contact status  | 0.5             | <b>MZ201</b>  |
| Alarm contacts 6A - 240V~<br>                  | 1NO + 1NC indicates a fault over current on overload or short circuit (e.g. MCB tripped)                             | 0.5             | <b>MZ202</b>  |
| Shunt trip relay<br>Allows for remote tripping of MCB. The coil is protected by a contact which cuts the supply after MCB trips | 230V - 415V AC   | 1               | <b>MZ203</b>  |
|   | 110V to 130V DC  | 1               | <b>MZ204</b>  |
|   | 24V - 48V AC<br>12V - 48V DC   | 1               | <b>MZ204</b>  |
| Undervoltage release 230V AC  | If supply falls to 35 to 70% of nominal voltage the MCB will trip<br>Coil consumption: 3.5 VA                        | 1               | <b>MZ206</b>  |
| Locking device  | To lock the MCB handle in on/off position  | 1               | <b>MZN175</b> |
| Heat dissipation inserts  | Avoids overheating for DIN rail modules when several devices mounted side by side are carrying high continuous loads | 0.5             | <b>LZ060</b>  |
| Terminal cover & screw shield   |  |                 | <b>MZN120</b> |
| Phase barriers for MDNxxx MCBs  | 1 set of 3   |                 | <b>MZN121</b> |



MZ202



MZ203



MZN175



LZ060



MZN120



MZN121

### Description

Compact combination devices which provide overcurrent protection & earth leakage protection. The Type A devices, with a switched neutral, are available in various current ratings from 6A - 40A. A 1 module RCBO is specifically designed for DIN rail enclosures but can also be used in invicta panelboards. It is supplied with a 1 metre long neutral-in fly lead.

### Features

- IEC 61009.1 & AS/NZS 61009.1
- Earth fault indication window
- ACC9xxT is Type 1 to comply with AS/NZS 3190 requirements
- Trip free mechanisms

### 1 mod connection capacity

- 10mm<sup>2</sup> flexible

- 16mm<sup>2</sup> rigid

### 2 mod connection capacity

- 16mm<sup>2</sup> flexible
- 25mm<sup>2</sup> rigid



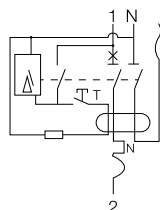
### Accessories

- Toggle locking device - MZN175



ADC920T

### RCBO 1P+N 6kA C curve

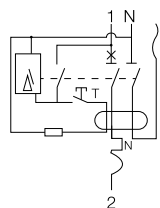


| Current rating (A) | Width | Residual current I <sub>dn</sub> | Cat ref.       |
|--------------------|-------|----------------------------------|----------------|
| 6A                 | 1 mod | 30mA                             | <b>ADC906T</b> |
| 10A                | 1 mod | 30mA                             | <b>ADC910T</b> |
| 13A                | 1 mod | 30mA                             | <b>ADC913T</b> |
| 16A                | 1 mod | 30mA                             | <b>ADC916T</b> |
| 20A                | 1 mod | 30mA                             | <b>ADC920T</b> |
| 25A                | 1 mod | 30mA                             | <b>ADC925T</b> |
| 32A                | 1 mod | 30mA                             | <b>ADC932T</b> |
| 6A                 | 1 mod | 10mA                             | <b>ACC906T</b> |
| 10A                | 1 mod | 10mA                             | <b>ACC910T</b> |
| 13A                | 1 mod | 10mA                             | <b>ACC913T</b> |
| 16A                | 1 mod | 10mA                             | <b>ACC916T</b> |
| 20A                | 1 mod | 10mA                             | <b>ACC920T</b> |
| 25A                | 1 mod | 10mA                             | <b>ACC925T</b> |
| 32A                | 1 mod | 10mA                             | <b>ACC932T</b> |



ADD920T

### RCBO 1P+N 6kA D curve

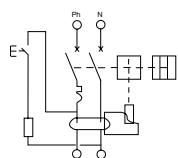


| Current rating (A) | Width | Residual current I <sub>dn</sub> | Cat ref.       |
|--------------------|-------|----------------------------------|----------------|
| 6A                 | 1 mod | 30mA                             | <b>ADD906T</b> |
| 10A                | 1 mod | 30mA                             | <b>ADD910T</b> |
| 13A                | 1 mod | 30mA                             | <b>ADD913T</b> |
| 16A                | 1 mod | 30mA                             | <b>ADD916T</b> |
| 20A                | 1 mod | 30mA                             | <b>ADD920T</b> |
| 25A                | 1 mod | 30mA                             | <b>ADD925T</b> |



ADA910T

### RCBO 1P+N 6kA C curve



| Current rating (A) | Width | Residual current I <sub>dn</sub> | Cat ref.       |
|--------------------|-------|----------------------------------|----------------|
| 6A                 | 2 mod | 30mA                             | <b>ADA906T</b> |
| 10A                | 2 mod | 30mA                             | <b>ADA910T</b> |
| 13A                | 2 mod | 30mA                             | <b>ADA913T</b> |
| 16A                | 2 mod | 30mA                             | <b>ADA916T</b> |
| 20A                | 2 mod | 30mA                             | <b>ADA920T</b> |
| 25A                | 2 mod | 30mA                             | <b>ADA925T</b> |
| 32A                | 2 mod | 30mA                             | <b>ADA932T</b> |
| 40A                | 2 mod | 30mA                             | <b>ADA940T</b> |
| 6A                 | 2 mod | 100mA                            | <b>AEA906T</b> |
| 10A                | 2 mod | 100mA                            | <b>AEA910T</b> |
| 13A                | 2 mod | 100mA                            | <b>AEA913T</b> |
| 16A                | 2 mod | 100mA                            | <b>AEA916T</b> |
| 20A                | 2 mod | 100mA                            | <b>AEA920T</b> |
| 25A                | 2 mod | 100mA                            | <b>AEA925T</b> |
| 32A                | 2 mod | 100mA                            | <b>AEA932T</b> |
| 40A                | 2 mod | 100mA                            | <b>AEA940T</b> |

### Description

Compact combination devices which provide overcurrent protection & earth leakage protection. The Type A devices, are available in various current ratings from 6A - 40A. Specifically designed for DIN rail enclosures. Suitable for balanced and unbalanced loads.

### Features

- IEC 61009.1 & AS/NZS 61009.1
- Earth fault indication window
- Trip free mechanisms
- Load and line circuits may be connected at the top or bottom

### Accessories for 4 mod devices only

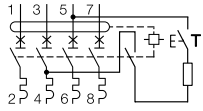
- MZ201, MZ202, MZ203, MZ204, MZ206, MZN175



### 4 mod connection capacity

- 16mm<sup>2</sup> flexible
- 25mm<sup>2</sup> rigid

### RCBO 4P 6kA C curve



| Current rating (A) | Width | Residual current I <sub>dn</sub> | Cat ref.       |
|--------------------|-------|----------------------------------|----------------|
| 6A                 | 4 mod | 30mA                             | <b>ADM406T</b> |
| 10A                | 4 mod | 30mA                             | <b>ADM410T</b> |
| 13A                | 4 mod | 30mA                             | <b>ADM413T</b> |
| 16A                | 4 mod | 30mA                             | <b>ADM416T</b> |
| 20A                | 4 mod | 30mA                             | <b>ADM420T</b> |
| 25A                | 4 mod | 30mA                             | <b>ADM425T</b> |
| 32A                | 4 mod | 30mA                             | <b>ADM432T</b> |
| 40A                | 4 mod | 30mA                             | <b>ADM440T</b> |
| 6A                 | 4 mod | 100mA                            | <b>AEM406T</b> |
| 10A                | 4 mod | 100mA                            | <b>AEM410T</b> |
| 13A                | 4 mod | 100mA                            | <b>AEM413T</b> |
| 16A                | 4 mod | 100mA                            | <b>AEM416T</b> |
| 20A                | 4 mod | 100mA                            | <b>AEM420T</b> |
| 25A                | 4 mod | 100mA                            | <b>AEM425T</b> |
| 32A                | 4 mod | 100mA                            | <b>AEM432T</b> |
| 40A                | 4 mod | 100mA                            | <b>AEM440T</b> |



ADM413T

### Description

The safety switch is designed to open a circuit automatically when protected system leaks a current to earth, greater than or equal to rated tripping current. Use in residential, commercial or industrial installations.

### Type A and Type F

Type A is used where the earth fault waveform is sinusoidal AC and/or pulsating DC up to 6mA (computer loads, etc).

Type F can detect and respond similarly as Type A and considers superimposed residual pulsating current with DC components  $\leq 10\text{mA}$ . It also detects mixed frequency residual currents (such as some air conditioning controllers using variable frequency from 10Hz to 1000Hz converters,

some Class I power tools, etc).

### Features

- All types conform with AS/NZS 61008.1
- Type F also compliant with IEC62493
- Positive contact indication windows
- Earth fault indication window
- Load and line circuits may be connected top or bottom
- Bi-connect terminals enable supply from either cables in the cage or busbars in the slot.

### Connection capacity

- 25mm<sup>2</sup> - Rigid (50mm<sup>2</sup> for 80A, 100A)
- 16mm<sup>2</sup> - Flexible (35mm<sup>2</sup> for 80A, 100A)



### Accessories

- MZ201, MZ202, MZ203, MZ204, MZ206, MZN175, LZ060
- CZ001 for CDA2xxT and CDA4xxT
- MZN121 for others



CDA240T

### RCCB 1P+N Type A

| Residual current I <sub>dn</sub> | Current rating (A) | Width | Cat ref.       |
|----------------------------------|--------------------|-------|----------------|
| 30mA                             | 25A                | 2 mod | <b>CDA225T</b> |
| 30mA                             | 40A                | 2 mod | <b>CDA240T</b> |
| 30mA                             | 63A                | 2 mod | <b>CDA263T</b> |
| 30mA                             | 80A                | 2 mod | <b>CDA580T</b> |
| 30mA                             | 100A               | 2 mod | <b>CDA584T</b> |
| 100mA                            | 25A                | 2 mod | <b>CEA525T</b> |
| 100mA                            | 40A                | 2 mod | <b>CEA540T</b> |
| 100mA                            | 63A                | 2 mod | <b>CEA563T</b> |
| 100mA                            | 80A                | 2 mod | <b>CEA580T</b> |
| 100mA                            | 100A               | 2 mod | <b>CEA584T</b> |



CDA440T

### RCCB 3P+N Type A

| Residual current I <sub>dn</sub> | Current rating (A) | Width | Cat ref.       |
|----------------------------------|--------------------|-------|----------------|
| 30mA                             | 25A                | 4 mod | <b>CDA425T</b> |
| 30mA                             | 40A                | 4 mod | <b>CDA440T</b> |
| 30mA                             | 63A                | 4 mod | <b>CDA463T</b> |
| 30mA                             | 80A                | 4 mod | <b>CDA680T</b> |
| 30mA                             | 100A               | 4 mod | <b>CDA684T</b> |
| 100mA                            | 25A                | 4 mod | <b>CEA625T</b> |
| 100mA                            | 40A                | 4 mod | <b>CEA640T</b> |
| 100mA                            | 63A                | 4 mod | <b>CEA663T</b> |
| 100mA                            | 80A                | 4 mod | <b>CEA680T</b> |
| 100mA                            | 100A               | 4 mod | <b>CEA684T</b> |



CDF540T

### RCCB 1P+N Type F

| Residual current I <sub>dn</sub> | Current rating (A) | Width | Cat ref.       |
|----------------------------------|--------------------|-------|----------------|
| 30mA                             | 40A                | 2 mod | <b>CDF540T</b> |
| 30mA                             | 63A                | 2 mod | <b>CDF563T</b> |



CDF640T

### RCCB 3P+N Type F

| Residual current I <sub>dn</sub> | Current rating (A) | Width | Cat ref.       |
|----------------------------------|--------------------|-------|----------------|
| 30mA                             | 40A                | 4 mod | <b>CDF640T</b> |
| 30mA                             | 63A                | 4 mod | <b>CDF663T</b> |

**Description**

The safety switch is designed to open a circuit automatically when protected system leaks a current to earth, greater than or equal to rated tripping current. Use in residential, commercial or industrial installations.

**Type B**

Type B is used where earth fault waveform is sinusoidal AC, pulsating DC or smooth DC (VSD applications, lifts, medical equipments, etc).

- Can handle mixed frequency AC currents up to 1000Hz
- AC and/or pulsating currents with superimposed residual pulsating current with DC components  $\leq$  10mA.
- Any superimposed residual Direct Current of 0.5 to 2 times the rated residual current  $1\Delta n$

**Features**

- Conforms with IEC61008.1, AS/NZS 61008.1 and IEC62423
- Earth fault indication window
- Line circuit is connected on top and load on bottom
- Not suitable for 1P or 3P fork busbars

**Connection capacity**

- 25mm<sup>2</sup> - Rigid
- 16mm<sup>2</sup> - Flexible

**Accessories**

- MZ201, MZ202, MZ203, MZ204, MZ206, MZN175, MZN121

**RCCB 1P+N Type B**

| Residual current $I_{\Delta n}$ | Current rating (A) | Width | Cat ref.       |
|---------------------------------|--------------------|-------|----------------|
| 30mA                            | 25A                | 4 mod | <b>CDB525T</b> |
| 30mA                            | 40A                | 4 mod | <b>CDB540T</b> |
| 30mA                            | 63A                | 4 mod | <b>CDB563T</b> |



CDB540T

**RCCB 3P+N Type B**

| Residual current $I_{\Delta n}$ | Current rating (A) | Width | Cat ref.       |
|---------------------------------|--------------------|-------|----------------|
| 30mA                            | 25A                | 4 mod | <b>CDB625T</b> |
| 30mA                            | 40A                | 4 mod | <b>CDB640T</b> |
| 30mA                            | 63A                | 4 mod | <b>CDB663T</b> |



CDB640T

### Accessories compatible

for all RCBOs  
- MZN175

### Accessories compatible for AxM4xxT, AxA5xxT and AxX4xxT RCBOs only

- MZ201, MZ202, MZ203, MZ204, MZ206

### Accessories compatible for all RCCBs

- MZ201, MZ202, MZ203, MZ204, MZ206, MZN175

### Combination auxiliary & alarm switch:

If shunt trip or undervoltage release is required, the CZ001 must be used as a coupler for 30mA RCCBs, 25A to 63A

### Connection

- 10mm<sup>2</sup> rigid  
- 6mm<sup>2</sup> flexible



CZ001



MZ202



MZ203






MZN175



LZ060

### Accessories

| Description  | Characteristics  | Width in 17.5mm | Cat ref.      |
|--|--|-----------------|---------------|
| <b>Combination auxiliary &amp; alarm contacts</b><br>Allows remote indication of main contact status SD indicates a fault condition (eg Safety Switch tripped) for RCCBs | 2 x (1NO + 1NC)<br>6A-240V~  | 1               | <b>CZ001</b>  |
| <b>Auxiliary contacts</b><br>Allows remote indication of main contact status for RCBOs   | 6A - 240V~<br>1NO + 1NC  | 0.5             | <b>MZ201</b>  |
|   |  |                 |               |
| <b>Alarm contacts</b><br>indicates a fault over current on overload or short circuit (e.g. RCBO tripped)   | 6A - 240V~<br>1NO + 1NC  | 0.5             | <b>MZ202</b>  |
|   |  |                 |               |
| <b>Shunt trip relay</b><br>Allows remote tripping of (combined) RCD when a voltage is applied.   | 230V - 415V AC<br>110V to 130V DC  | 1               | <b>MZ203</b>  |
|  | 24V - 48V AC<br>12V - 48V DC   | 1               | <b>MZ204</b>  |
|   |  |                 |               |
| <b>Undervoltage release</b><br>Trips the (combined) RCD when the voltage falls between 35% and 70% of nominal voltage  | 230V AC<br>Coil consumption: 3.5 VA  | 1               | <b>MZ206</b>  |
| <b>Locking device</b><br>Allows locking of the device; toggle in the lock on/off position; will accept two padlocks with hasps of 4.75mm diameter maximum                | Supplied without padlock   | 1               | <b>MZN175</b> |
| <b>Heat dissipation inserts</b>  | Avoids overheating for DIN rail modules when several devices mounted side by side are carrying high continuous loads | 0.5             | <b>LZ060</b>  |




**3P MCB + RCD ADD-ON BLOCK**

**3P+N RCBO**

**Features**

The compact one module wide Add-On Block (AOB) can be used in combination with any Hager 3P MCB up to 63A. The one module RCD Add-On Block + MCB combinations suit all Hager chassis boards. It is the most compact '3P+N RCBO' for chassis boards. The RCD Add-On Block + MCB provides the protective characteristics of both devices, thereby protecting the panelboards entire circuit and removing the need to wire between DIN mounted RCD & MCB. This results in a significant reduction of

time, labour & the size & cost of integrated RCD socket outlets.   
The 'Type A' Add-On Block gives the added protection against any 'pulsating DC component' generating from such loads as; power tools, motor speed controllers etc.

Conforms with IEC 61008-1 and AS/NZS 61008.1 when used with a Hager MCB.

**One Module Add-On Block**

| Description                                   | Residual current I <sub>dn</sub> | Cat ref.      |
|---|----------------------------------|---------------|
| 3 phase earth leakage protection<br>Up to 63A | 30mA                             | <b>BD163T</b> |
| Type A  | 100mA                            | <b>BE163T</b> |
|   | 300mA                            | <b>BF163T</b> |



BD163T

### Description

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



KDN180A



KDN380G

### Insulated busbars - Fork type

| Description  | Width  | Cat ref.       |
|--------------|--------|----------------|
| 1 phase 80A  | 12 mod | <b>KDN180A</b> |
| 1 phase 80A  | 18 mod | <b>KDN180G</b> |
| 1 phase 100A | 57 mod | <b>KD190B</b>  |
| 2 phase 80A  | 12 mod | <b>KDN280A</b> |
| 3 phase 80A  | 12 mod | <b>KDN380A</b> |
| 3 phase 80A  | 18 mod | <b>KDN380G</b> |



KB181GI



KB163P

### Insulated busbars - Tongue type

| Description   | Characteristics         | Width  | Cat ref.       |
|---|-------------------------|--------|----------------|
| 1 neutral 80A. Suits neutral supply in onekonekt range of RCBOs | 6 tongues over 12 poles | 12 mod | <b>KB181A1</b> |
| 1 neutral 80A. Suits neutral supply in onekonekt range of RCBOs | 9 tongues over 18 poles | 18 mod | <b>KB181G1</b> |



KZ059

### Insulated caps

| Description        | Characteristics        | Cat ref.      |
|--------------------|------------------------|---------------|
| Busbar end caps    | Suits KDN1xx & KB181xx | <b>KZN021</b> |
| Busbar end caps    | Suits KDN2XX/KDN3XX    | <b>KZN023</b> |
| Fork caps - yellow | Strip of 5 caps        | <b>KZ059</b>  |



KRN163



### Cable Connectors

| Description   | Cat ref.      |
|---|---------------|
| Tongue type connection from top for cables: 25mm <sup>2</sup>                     | <b>KF81A</b>  |
| Tongue type connection from top for cables: 2 x 16mm <sup>2</sup>                 | <b>KF82A</b>  |
| Tongue type connection from side for cables: 35mm <sup>2</sup>                    | <b>KF83A</b>  |
| Tongue type connection from side of cables: 35mm <sup>2</sup> with longer tongue  | <b>KF83D</b>  |
| Chassis mounted 63A to supply power to the DIN Rail for cables: 25mm <sup>2</sup> | <b>KRN163</b> |
| Chassis or DIN Rail mounted 125A to connect main neutral cable: 50mm <sup>2</sup> | <b>KRN199</b> |



KM03A



### Other accessories

| Description              | Characteristics                          | Cat ref.     |
|--------------------------|--|--------------|
| RCD neutral links        | 3 tunnel link for fitting to RCD's       | <b>KM03A</b> |
| Cable adaptor - one hole | 35mm <sup>2</sup> to suit golf enclosure | <b>KM035</b> |



### Description

Hager SPD's protect electrical and electronic equipment against transients, originating from lightning and switching transient sources. These transients can cause anything from the premature aging of

equipment, logic failures and down time, to the complete destruction of electrical components and the entire electrical distribution system. Surge protective devices are strongly recommended in sites that are exposed to lightning, to protect sensitive and expensive

electrical equipment such as TV's, washing machines, Hi-Fi's, PC's, VCR's, alarms etc..

### Installation and connection

The main protection SPDs are installed directly after the main incoming switch. SPDs are suitable

for any supply system. e.g. TNCS, TNS, TT. To be connected in parallel to the equipment to be protected. Protection is assured in both common and differential modes.

### Class I spark gap arrester

| Description   | Poles | Iimp<br>kA | In<br>kA | Up<br>kV | Uc<br>V | Width | Cat ref.       |
|---|-------|------------|----------|----------|---------|-------|----------------|
| For areas where risk of lightning is prevalent.<br>Test wave 10/350µs | 2     | 12.5       | -        | ≤2.5     | 255     | 4 mod | <b>SPA212A</b> |
|   | 4     | 12.5       | -        | ≤2.5     | 255     | 8 mod | <b>SPA412A</b> |



SPA212A

### Class II medium protection

| Description   | Poles | I <sub>max</sub><br>kA | In<br>kA | Up<br>kV | Uc<br>V | Width | Cat ref.       |
|---|-------|------------------------|----------|----------|---------|-------|----------------|
| Metal Oxide Varistors (MOV's) technology<br>Test wave 8/20µs                | 1     | 65                     | 20       | ≤1.5     | 275     | 1 mod | <b>SPN165R</b> |
|   | 1     | 40                     | 15       | ≤1.2     | 275     | 1 mod | <b>SPN140R</b> |
| Replaceable cartridge   | 1     | 40                     | 15       | ≤1.2     | 275     | 1 mod | <b>SPN140D</b> |
| Reserve option indication and changeover contact on 'R' catalogue reference | 1     | 15                     | 5        | ≤1.0     | 275     | 1 mod | <b>SPN115R</b> |
|   | 1     | 15                     | 5        | ≤1.0     | 275     | 1 mod | <b>SPN115D</b> |



SPN140R

### Class II fine protection

| Description   | Poles | I <sub>max</sub><br>kA | In<br>kA | Up<br>kV | Uc<br>V | Width | Cat ref.       | Cat ref. |
|---|-------|------------------------|----------|----------|---------|-------|----------------|----------|
| To be used in cascade with medium protection devices.<br>Refer to cascade table for Up values | 2     | 8                      | 2        | ≤1.5     | 255     | 2 mod | <b>SPN208D</b> |          |
|   | 4     | 8                      | 2        | ≤1.5     | 255     | 4 mod | <b>SPN408D</b> |          |



SPN208D

### Class II replacement cartridge

| Description           | Poles | Reserve status ind.   | Standard status ind. | Width | Cat ref.       |
|-----------------------|-------|-----------------------|----------------------|-------|----------------|
| For SPN1XXX           | 1     | Yes                   | -                    | 1 mod | <b>SPN065R</b> |
|                       | 1     | Yes                   | -                    | 1 mod | <b>SPN040R</b> |
|                       | 1     | -                     | Yes                  | 1 mod | <b>SPN040D</b> |
|                       | 1     | Yes                   | -                    | 1 mod | <b>SPN015R</b> |
|                       | 1     | -                     | Yes                  | 1 mod | <b>SPN015D</b> |
| For SPNx08D - Active  | 1     | End of life indicator |                      | 1 mod | <b>SPN008D</b> |
| For SPNx08D - Neutral | 1     | End of life indicator |                      | 1 mod | <b>SPN008N</b> |



SPN040D

### Telecom protection

| Description  | Line | In<br>kA | Up<br>kV | Un<br>Vdc | Uc<br>Vdc | Width | Cat ref.      |
|--|------|----------|----------|-----------|-----------|-------|---------------|
| Protection for those devices connected to the ADSL2, ADSL, ISDN or TDSL phone line network. Metal Oxide Varistors (MOV's) technology. Tested in IEC 61643-21 D1 and C2 classification. | Nume | 2.5      | ≤0.6     | 180       | 180       | 12mm  | <b>SPK102</b> |



SPK102

Flush or Surface mounted distribution boxes from 1 to 4 rows, from 4 to 72 ways, 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. 125mm between DIN rails.

### Components bag:

- Earth & neutral terminals
- Pole fillers
- Labels - cable management clips in enclosures >36 modules
- Transport protection film
- Busbar supplied with references

- IK07
- Isolation Class II
- White colour RAL 9010
- For product assemblies with a rated current  $I_n \leq 80A$

### Technical data:

- IP30 without door
- IP40 with door

**Standard:** all products conform to AS/NZS 61439-3. N&E brass terminals comply to AS/NZS 5112. All products conform to the RoHS and WEEE directives



VF212PT



VF412TT

### golf enclosure Flush mounted

| Description   | Single phase fork busbar | Cat ref. Opaque Door | Cat ref. Transp. door |
|---------------|--------------------------|----------------------|-----------------------|
| 1 row 4 ways  | None                     | <b>VF104PT</b>       | <b>VF104TT</b>        |
| 1 row 8 ways  | None                     | <b>VF108PT</b>       | <b>VF108TT</b>        |
| 1 row 12 ways | 1 x 12 pole              | <b>VF112PT</b>       | <b>VF112TT</b>        |
| 1 row 18 ways | 1 x 18 pole              | <b>VF118PT</b>       | <b>VF118TT</b>        |
| 2 row 24 ways | 2 x 12 pole              | <b>VF212PT</b>       | <b>VF212TT</b>        |
| 2 row 36 ways | 2 x 18 pole              | <b>VF218PT</b>       | <b>VF218TT</b>        |
| 3 row 36 ways | 3 x 12 pole              | <b>VF312PT</b>       | <b>VF312TT</b>        |
| 3 row 54 ways | 3 x 18 pole              | <b>VF318PT</b>       | <b>VF318TT</b>        |
| 4 row 48 ways | 3 x 12 pole              | <b>VF412PT</b>       | <b>VF412TT</b>        |
| 4 row 72 ways | 3 x 18 pole              | <b>VF418PT</b>       | <b>VF418TT</b>        |



VF212PT



VF412TT

### golf enclosure Surface mounted

| Description   | Single phase busbar | Cat ref. Opaque Door | Cat ref. Transp. door |
|---------------|---------------------|----------------------|-----------------------|
| 1 row 4 ways  | None                | <b>VS104PT</b>       | <b>VS104TT</b>        |
| 1 row 8 ways  | None                | <b>VS108PT</b>       | <b>VS108TT</b>        |
| 1 row 12 ways | 1 x 12 pole         | <b>VF112PT</b>       | <b>VF112TT</b>        |
| 1 row 18 ways | 1 x 18 pole         | <b>VF118PT</b>       | <b>VF118TT</b>        |
| 2 row 24 ways | 2 x 12 pole         | <b>VF212PT</b>       | <b>VF212TT</b>        |
| 2 row 36 ways | 2 x 18 pole         | <b>VF218PT</b>       | <b>VF218TT</b>        |
| 3 row 36 ways | 3 x 12 pole         | <b>VF312PT</b>       | <b>VF312TT</b>        |
| 3 row 54 ways | 3 x 18 pole         | <b>VF318PT</b>       | <b>VF318TT</b>        |
| 4 row 48 ways | 3 x 12 pole         | <b>VF412PT</b>       | <b>VF412TT</b>        |
| 4 row 72 ways | 3 x 18 pole         | <b>VF418PT</b>       | <b>VF418TT</b>        |

| Dimensions (mm) |               | Board |     | Wall cut out |     |
|-----------------|---------------|-------|-----|--------------|-----|
|                 |               | W     | H   | W            | H   |
| <b>VF104...</b> | 1 row 4 ways  | 204   | 225 | 170          | 189 |
| <b>VF108...</b> | 1 row 8 ways  | 275   | 225 | 242          | 189 |
| <b>VF112...</b> | 1 row 12 ways | 352   | 293 | 318          | 257 |
| <b>VF212...</b> | 2 row 12 ways | 352   | 418 | 318          | 382 |
| <b>VF312...</b> | 3 row 12 ways | 352   | 543 | 318          | 507 |
| <b>VF412...</b> | 4 row 12 ways | 352   | 688 | 318          | 652 |
| <b>VF118...</b> | 1 row 18 ways | 460   | 293 | 426          | 257 |
| <b>VF218...</b> | 2 row 18 ways | 460   | 418 | 426          | 382 |
| <b>VF318...</b> | 3 row 18 ways | 460   | 543 | 426          | 507 |
| <b>VF418...</b> | 4 row 18 ways | 460   | 688 | 426          | 652 |

| Dimensions (mm) |               | Board |     | Wall fixation |     |
|-----------------|---------------|-------|-----|---------------|-----|
|                 |               | W     | H   | W             | H   |
| <b>VS104...</b> | 1 row 4 ways  | 138   | 184 | 101           | 68  |
| <b>VS108...</b> | 1 row 8 ways  | 210   | 184 | 174           | 68  |
| <b>VS112...</b> | 1 row 12 ways | 282   | 252 | 222           | 136 |
| <b>VS212...</b> | 2 row 12 ways | 282   | 377 | 222           | 261 |
| <b>VS312...</b> | 3 row 12 ways | 282   | 500 | 222           | 386 |
| <b>VS412...</b> | 4 row 12 ways | 282   | 647 | 222           | 491 |
| <b>VS118...</b> | 1 row 18 ways | 390   | 252 | 330           | 136 |
| <b>VS218...</b> | 2 row 18 ways | 390   | 377 | 330           | 261 |
| <b>VS318...</b> | 3 row 18 ways | 390   | 500 | 330           | 386 |
| <b>VS418...</b> | 4 row 18 ways | 390   | 647 | 330           | 491 |

### Description

invicta panelboards have been developed as an optimised solution for small to medium commercial installations and large home projects.

### Features

- Available in 24, 36, 48, 60 & 72 poles
- 1.2mm tough powdercoated galvanised steel construction
- Powdercoated RAL7035 (light grey)
- IP30
- Complete with either a 160A or 250A main isolator switch prefitted
- Split earth and neutral links for easy cabling
- Fully type tested chassis
- 2 x 8 pole DIN space each side of main incomer
- Lockable door (CL001)
- Safety pole fillers remain with chassis when escutcheon is removed
- Circuit identification card
- Positive MCB alignment system

### invicta panelboards

| Description           | Characteristics | Cat. ref            |
|-----------------------|-----------------|---------------------|
| With 160A main switch | 24 pole chassis | <b>JVC2400S16TW</b> |
|                       | 36 pole chassis | <b>JVC3600S16TW</b> |
|                       | 48 pole chassis | <b>JVC4800S16TW</b> |
|                       | 60 pole chassis | <b>JVC6000S16TW</b> |
|                       | 72 pole chassis | <b>JVC7200S16TW</b> |
| With 250A main switch | 24 pole chassis | <b>JVC2400S25TW</b> |
|                       | 36 pole chassis | <b>JVC3600S25TW</b> |
|                       | 48 pole chassis | <b>JVC4800S25TW</b> |
|                       | 60 pole chassis | <b>JVC6000S25TW</b> |
|                       | 72 pole chassis | <b>JVC7200S25TW</b> |



JVC2400S16TW

### Extension boxes

| Description   | Characteristics | Cat. ref         |
|---|-----------------|------------------|
| Supplied without gland plates. Gland plates only required if mounting as a stand alone. | 2 row 18 DIN    | <b>JVC0EXTDW</b> |



JVC0EXTDW

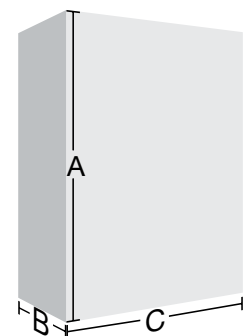
### Accessories

| Description                | Characteristics      | Width  | Cat. ref         |
|----------------------------|----------------------|--------|------------------|
| Incomer link kit           | For 3Ø 80-125A MCB   | 4.5mod | <b>JVC0M12</b>   |
|                            | For 3Ø up to 63A MCB | 3 mod  | <b>JVC0M06</b>   |
| MEN kit                    |                      |        | <b>JVC0MEN</b>   |
| Gland plates               |                      |        | <b>JVC0GPL</b>   |
| Safety pole fillers (10Pk) |                      |        | <b>JVC0PFL</b>   |
| Door lock and key (CL001)  |                      |        | <b>JVC0LCK</b>   |
| Spare keys (CL001)         | 2 keys               |        | <b>JVC0LSK</b>   |
| Document holder            |                      |        | <b>JK2X007AU</b> |

| Dimensions (mm)    | A    | B   | C   |
|--------------------|------|-----|-----|
| 24 pole panelboard | 800  | 135 | 480 |
| 36 pole panelboard | 900  | 135 | 480 |
| 48 pole panelboard | 1000 | 135 | 480 |
| 60 pole panelboard | 1128 | 135 | 480 |
| 72 pole panelboard | 1235 | 135 | 480 |

### Extension box

| Dimensions (mm)  | A   | B   | C   |
|------------------|-----|-----|-----|
| <b>JVC0EXTDW</b> | 350 | 135 | 480 |





**Hager Electro Pty Ltd**  
Unit 17/2-8 South Street  
Rydalmere NSW 2116  
[hagerelectro.com.au](http://hagerelectro.com.au)

**Nationwide sales**  
Phone: 1300 850 253  
Fax: 1300 424 372  
Email: [customerservice@hagerelectro.com.au](mailto:customerservice@hagerelectro.com.au)

**DISCLAIMER:** Whilst every effort has been made to ensure the reliability of the information is correct at time of publication, Hager cannot guarantee the accuracy of all of the information contained herein. Changes/updates brought to the attention of Hager, once verified, will be corrected in future editions.