

**HPISWL120**  
**HPISWL140**  
**HPISWL163**  
**HPISWL220**  
**HPISWL240**  
**HPISWL263**  
**HPISWL320**  
**HPISWL340**  
**HPISWL363**  
**HPISWL420**  
**HPISWL440**  
**HPISWL463**

See current catalogue for further detail



Example of internal 1-pole switch



Example of internal  
2-pole switch



Example of internal 3-pole switch



Example of internal 4-pole switch

### Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended.

It is important to ensure that switches are turned off before cleaning.

Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.

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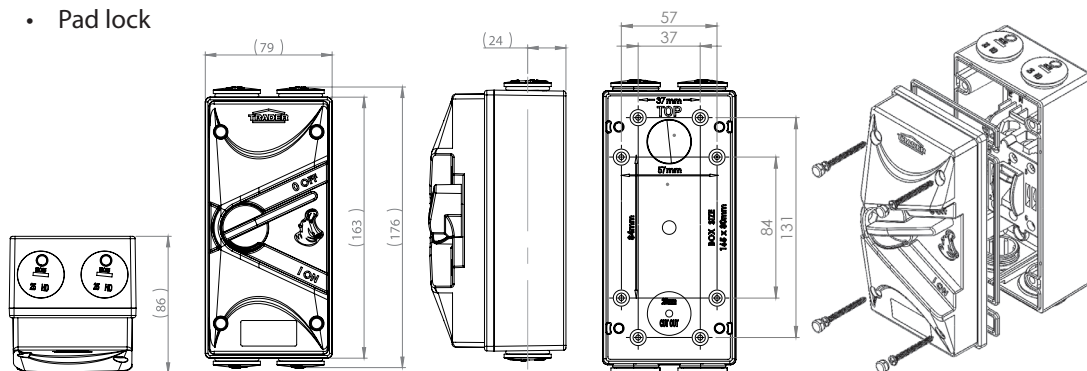


## Large Isolators

- Hippo Isolators are tested to AS/NZS3133 and AS/NZS IEC60947-3.
- The Hippo larger enclosures feature twin 25mm threaded entries both top and bottom.
- The internal isolator switch modules are base mounted to provide a stable platform for wiring. Examples of the inner modules are pictured below.
- More detail for switches can be seen in the table on following page.
- Packaging lid features cutting template for easy marking out.
- UV stabilised
- Colour: Grey. Also available in Black, please check availability.

**The switches feature:**

- Combination head terminal screws
- Combination head earth and neutral terminal screws
- Alignment sleeves on switch housing guides screwdriver into terminal screws, reduces screwdriver tips jumping out.
- Terminal bores have plenty of space for wiring (see table for sizes)
- Pad lock



| Catalogue Number | Description                                                     |
|------------------|-----------------------------------------------------------------|
| HPISWL120        | Isolator Switch Weatherproof IP66 20A 250V ac 1 Pole Large Grey |
| HPISWL140        | Isolator Switch Weatherproof IP66 40A 250V ac 1 Pole Large Grey |
| HPISWL163        | Isolator Switch Weatherproof IP66 63A 250V ac 1 Pole Large Grey |
| HPISWL220        | Isolator Switch Weatherproof IP66 20A 440V ac 2 Pole Large Grey |
| HPISWL240        | Isolator Switch Weatherproof IP66 40A 440V ac 2 Pole Large Grey |
| HPISWL263        | Isolator Switch Weatherproof IP66 63A 440V ac 2 Pole Large Grey |
| HPISWL320        | Isolator Switch Weatherproof IP66 20A 440V ac 3 Pole Large Grey |
| HPISWL340        | Isolator Switch Weatherproof IP66 40A 440V ac 3 Pole Large Grey |
| HPISWL363        | Isolator Switch Weatherproof IP66 63A 440V ac 3 Pole Large Grey |
| HPISWL420        | Isolator Switch Weatherproof IP66 20A 440V ac 4 Pole Large Grey |
| HPISWL440        | Isolator Switch Weatherproof IP66 40A 440V ac 4 Pole Large Grey |
| HPISWL463        | Isolator Switch Weatherproof IP66 63A 440V ac 4 Pole Large Grey |

*When ordering BLACK product add "BK" at end of catalogue number, ie HPISWL120BK*

**Certification Number:**

HPISWL120, HPISWL220, HPISWL320, HPISWL420: GMA-516768-EA  
HPISWL140, HPISWL163, HPISWL240, HPISWL263, HPISWL340,  
HPISWL363, HPISWL440, HPISWL463: GMA-516781

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## Large Isolators

| Ratings to IEC60947-3/AS 60947-3 and AS/NZS 3133                        |                            |         |           |                            |         |           |                           |         |           |                            |         |           |
|-------------------------------------------------------------------------|----------------------------|---------|-----------|----------------------------|---------|-----------|---------------------------|---------|-----------|----------------------------|---------|-----------|
| TYPE                                                                    | 1 POLE SWITCH DISCONNECTOR |         |           | 2 POLE SWITCH DISCONNECTOR |         |           | 3POLE SWITCH DISCONNECTOR |         |           | 4 POLE SWITCH DISCONNECTOR |         |           |
| Model Number (Check catalogue for availability)<br>HPISWL***            | 120                        | 140     | 163       | 220                        | 240     | 263       | 320                       | 340     | 363       | 420                        | 440     | 463       |
| Rated Operational Voltage Ue (50Hz)                                     | 250V                       |         |           | 440V                       |         |           | 440V                      |         |           | 440V                       |         |           |
| Rated Insulation Voltage Ui (~50Hz)                                     | 690V                       |         |           |                            |         |           |                           |         |           |                            |         |           |
| Rated Thermal Current Ith                                               | 20A                        | 40A     | 63A       | 20A                        | 40A     | 63A       | 20A                       | 40A     | 63A       | 20A                        | 40A     | 63A       |
| Rated Short Time Withstand Icw (20Ie)                                   | 400A/1s                    | 800A/1s | 1.26kA/1s | 400A/1s                    | 800A/1s | 1.26kA/1s | 400A/1s                   | 800A/1s | 1.26kA/1s | 400A/1s                    | 800A/1s | 1.26kA/1s |
| Rated impulse withstand voltage Uimp (kV)                               | 4.0kV                      |         |           |                            |         |           |                           |         |           |                            |         |           |
| Rated short circuit making capacity Icm (28.4Ie)                        | 568A                       | 1.136kA | 1.789kA   | 568A                       | 1.136kA | 1.789kA   | 568A                      | 1.136kA | 1.789kA   | 568A                       | 1.136kA | 1.789kA   |
| Motor Rating in accordance with AS/NZS3133                              | 568A                       | 1.136kA | 1.789kA   | 568A                       | 1.136kA | 1.789kA   | 568A                      | 1.136kA | 1.789kA   | 568A                       | 1.136kA | 1.789kA   |
| Motor Rating in accordance with AS/NZS3133                              | M180                       |         |           |                            |         |           |                           |         |           |                            |         |           |
| AC21A (Ue:250V~) (Ie=(A))                                               | 20A                        | 40A     | 63A       | -                          | -       | -         | -                         | -       | -         | -                          | -       | -         |
| (Ue:440V~) (Ie=(A))                                                     | -                          | -       | -         | 20A                        | 40A     | 63A       | 20A                       | 40A     | 63A       | 20A                        | 40A     | 63A       |
| Operational Power (Pe)<br>(kW)                                          | 4.2kW                      | 8.5kW   | 13.4kW    | 13.0kW                     | 26.0kW  | 41.0kW    | 13.0kW                    | 26.0kW  | 41.0kW    | 13.0kW                     | 26.0kW  | 41.0kW    |
| (HP)                                                                    | 5.7HP                      | 11.4HP  | 18.0HP    | 17.4HP                     | 34.9HP  | 54.9HP    | 17.4HP                    | 34.9HP  | 54.9HP    | 17.4HP                     | 34.9HP  | 54.9HP    |
| AC22A (Ue:250V~) (Ie=(A))                                               | 20A                        | 40A     | 63A       | -                          | -       | -         | -                         | -       | -         | -                          | -       | -         |
| (Ue:440V~) (Ie=(A))                                                     | -                          | -       | -         | 20A                        | 40A     | 63A       | 20A                       | 40A     | 63A       | 20A                        | 40A     | 63A       |
| Operational Power (Pe)<br>((kW)                                         | 3.6kW                      | 7.2kW   | 11.3kW    | 10.9kW                     | 21.9kW  | 34.5kW    | 10.9kW                    | 21.9kW  | 34.5kW    | 10.9kW                     | 21.9kW  | 34.5kW    |
| (HP)                                                                    | 4.8HP                      | 9.6HP   | 15.2HP    | 14.7HP                     | 29.3HP  | 46.2HP    | 14.7HP                    | 29.3HP  | 46.2HP    | 14.7HP                     | 29.3HP  | 46.2HP    |
| AC23A (Ue:250V~) (Ie=(A))                                               | 20A                        | 40A     | 63A       | -                          | -       | -         | -                         | -       | -         | -                          | -       | -         |
| (Ue:440V~) (Ie=(A))                                                     | -                          | -       | -         | 20A                        | 40A     | 63A       | 20A                       | 40A     | 63A       | 20A                        | 40A     | 63A       |
| Operational Power (Pe)<br>(kW)                                          | 2.9kW                      | 5.8kW   | 9.2kW     | 8.9kW                      | 17.8kW  | 28.0kW    | 8.9kW                     | 17.8kW  | 28.0kW    | 8.9kW                      | 17.8kW  | 28.0kW    |
| (HP)                                                                    | 3.9HP                      | 7.8HP   | 12.3HP    | 11.9HP                     | 23.85HP | 37.6HP    | 11.9HP                    | 23.85HP | 37.6HP    | 11.9HP                     | 23.85HP | 37.6HP    |
| Rated Duty                                                              | Uninterrupted              |         |           |                            |         |           |                           |         |           |                            |         |           |
| IP Rating                                                               | IP66                       |         |           |                            |         |           |                           |         |           |                            |         |           |
| Terminal torque - Recommended (Nm)                                      | 2.5Nm                      |         |           |                            |         |           |                           |         |           |                            |         |           |
| Minimum Conductor size (mm²)                                            | 2.5                        | 10      | 16        | 2.5                        | 10      | 16        | 2.5                       | 10      | 16        | 2.5                        | 10      | 16        |
| Maximum Conductor size (mm²)                                            | 25                         | 25      | 25        | 25                         | 25      | 25        | 25                        | 25      | 25        | 25                         | 25      | 25        |
| Cover screw torque - Recommended (Nm)                                   | 0.6Nm                      |         |           |                            |         |           |                           |         |           |                            |         |           |
| Earth/Neutral Terminal torque - Recommended (Nm)                        | 2.0Nm                      |         |           |                            |         |           |                           |         |           |                            |         |           |
| Terminal bore (Diameter and cross section)                              | 7.6mm suits 25mm²          |         |           |                            |         |           |                           |         |           |                            |         |           |
| Terminal bore box mounted Earth/Neutral<br>(Diameter and cross section) | 6.3mm suits 16mm²          |         |           |                            |         |           |                           |         |           |                            |         |           |
| Pollution degree                                                        | 2                          |         |           |                            |         |           |                           |         |           |                            |         |           |
| Lock-off padlock size                                                   | 8.0MM Padlock staple       |         |           |                            |         |           |                           |         |           |                            |         |           |

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HPISWL363, HPISWL440, HPISWL463: GMA-516781

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