

Buffalo products are tough, and perform well in the dust and the wet. They provide resistance to weather effects and are impervious to the ingress of dust and the damaging effects of water. Buffalo also offers products with a dependable protection rating of IP66 to cover many arduous applications.



**PLUGS**  
ANGLED AND STRAIGHT



**EXTENSION**  
SOCKETS



**AUTO**  
SWITCHES



**DIN**  
ENCLOSURES



**SWITCHES**



**SOCKETS**



**COMBO**  
SWITCHES



**APPLIANCE**  
INLETS

Can also be purchased less enclosure. Just add "LE" to end of catalogue number when ordering.



**ENCLOSURES (BACK**  
BOXES) LIDS



**JUNCTION BOXES**  
SUPPLIED WITH CONNECTORS



**ACCESSORIES**



**Technical Information Common to Buffalo Industrial Range**

PAGE 1 of 3



**Protection Rating Reference Chart (IP Code AS 60529)**

IP stands for Ingress Protection and is formed with two numbers: IPXX.

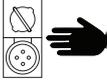
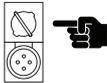
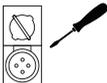
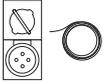
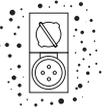
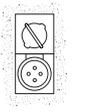
The two numbers refer to two levels of protection.

**IPXX**

The first digit shows the level of protection against **solid** objects.

The second digit shows the level of protection against **liquids**

**Solids**

|   |   |   |
|---|---|---|
| 1 |    | Protected against a solid object greater than 50mm such as a hand   |
| 2 |    | Protected against a solid object greater than 12.5mm such as a finger   |
| 3 |   | Protected against a solid object greater than 2.5mm such as a screwdriver   |
| 4 |  | Protected against a solid object greater than 1mm such as a wire  |
| 5 |  | Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours |
| 6 |  | Dust tight. No ingress of dust. Two to eight hours  |

**Liquids**

|   |   |   |
|---|---|---|
| 1 |    | Protected against vertically falling drops of water. Limited ingress permitted  |
| 2 |    | Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted |
| 3 |    | Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes                       |
| 4 |  | Protected against water splashed from all directions. Limited ingress permitted   |
| 5 |  | Protected against jets of water. Limited ingress permitted  |
| 6 |  | Water from heavy seas or water projects in powerful jets shall not enter the enclosure in harmful quantities                            |
| 7 |  | Protection against the effects of immersion in water between 15cm and 1m for 30 minutes   |
| 8 |  | Protection against the effects of immersion in water under pressure for long periods  |
| 9 |  | Protection against close-range high pressure, high temperature (85°C) water jets (MAX 10 000 kPa)                                       |



**Technical Information Common to Buffalo Industrial Range**

PAGE 2 of 3

Unique keyways, Pin sizes and Plug body sizes in alignment with AS/NZS3123 are provided to differentiate between current ratings in Size 1 & Size 2 products to prevent larger capacity loads being plugged into smaller capacity plugs.

Product designs are compliant in accordance with AS/NZS3112 and AS/NZS3123 (Plugs, Socket-outlets and Couplers for general industrial applications).

**Table 1** (pin configurations referenced in product charts)

**Plugs**

|   |   |   |  |   |   |   |
|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |
| <b>A</b> 10A 250V~<br>3 Pin   | <b>B</b> 15A 250V~<br>3 Pin   | <b>C</b> 10A 250V~<br>3 Pin   | <b>D</b> 15A 32V~<br>Polarised<br>2 Pin  | <b>E</b> 20A 250V~<br>3 Pin   | <b>F</b> 10A 250V~<br>3 Pin   | <b>G</b> 20A 250V~<br>3 Pin   |
|  |  |  |  |  |  |  |
| <b>H</b> 32A 250V~<br>3 Pin   | <b>I</b> 10A 500V~<br>4 Pin   | <b>J</b> 20A 500V~<br>4 Pin   | <b>K</b> 32A 500V~<br>4 Pin  | <b>L</b> 40A 500V~<br>4 Pin   | <b>M</b> 50A 500V~<br>4 Pin   | <b>N</b> 10A 500V~<br>5 Pin   |
|  |  |  |  |   |   |   |
| <b>O</b> 20A 500V~<br>5 Pin   | <b>P</b> 32A 500V~<br>5 Pin   | <b>Q</b> 40A 500V~<br>5 Pin   | <b>R</b> 50A 500V~<br>5 Pin  |   |   |   |

**Sockets**

|   |   |   |  |   |   |   |
|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |
| <b>A</b> 10A 250V~<br>3 Pin   | <b>B</b> 15A 250V~<br>3 Pin   | <b>C</b> 10A 250V~<br>3 Pin   | <b>D</b> 15A 32V~<br>Polarised<br>2 Pin  | <b>E</b> 20A 250V~<br>3 Pin   | <b>F</b> 10A 250V~<br>3 Pin   | <b>G</b> 20A 250V~<br>3 Pin   |
|  |  |  |  |  |  |  |
| <b>H</b> 32A 250V~<br>3 Pin   | <b>I</b> 10A 500V~<br>4 Pin   | <b>J</b> 20A 500V~<br>4 Pin   | <b>K</b> 32A 500V~<br>4 Pin  | <b>L</b> 40A 500V~<br>4 Pin   | <b>M</b> 50A 500V~<br>4 Pin   | <b>N</b> 10A 500V~<br>5 Pin   |
|  |  |  |  |  |  |   |
| <b>O</b> 20A 500V~<br>5 Pin   | <b>P</b> 32A 500V~<br>5 Pin   | <b>Q</b> 40A 500V~<br>5 Pin   | <b>R</b> 50A 500V~<br>5 Pin  | <b>S3</b> 500V~<br>IEC 4 Pin<br>Earth at 3  | <b>S6</b> 500V~<br>IEC 4 Pin<br>Earth at 6  |   |

**Temperature Performance**

To cover the many varied installations/environments, the Buffalo range has been thoroughly tested and is expected to perform from temperatures down to -25°C below zero and up to 75°C. This includes the standard grey sockets, switches, combinations, and appliance inlets, along with the transparent and orange plugs.

Temperatures:  
Minimum -25°C below zero  
Maximum 75°C

Applications where the product is used outside of these limits may void warranty and prior to any installation TRADER reps. should be consulted.

Other Chemical resistant product range products may vary in these performance limits.



## Technical Information Common to Buffalo Industrial Range

PAGE 3 of 3

## Buffalo Chemical Resistance Chart

At Trader we have reconfigured the Buffalo range to align with common industry practices for the application of the grey polycarbonate front covers for switches, sockets and appliance inlets with PVC back boxes to mount various applications. Additionally plugs and extension sockets are supplied in combined transparent and orange polycarbonate materials, with transparent sections specifically provided to enable simplified viewing of internal cable connections or pin arrangements. Cord entries on both plugs & extension sockets are made of durable nylon.

All fixing screws, springs and pins exposed to the elements being produced from 304 grade stainless steel help to provide long term weatherability and performance in many environments.

The Buffalo range is on par with many industrial products in the market and plugs and sockets are fully interchangeable and will perform in a broad range of environment. Please review the chemical performance chart for more detail and contact us with any queries.

| Product Type                     |                                     | Enclosures (Back boxes) (PVC) |                                      | Housings for Switches, Sockets, Plugs and Appliance Inlets, as well as exposed aspects such as flaps, knobs, lock rings and latches (Polycarbonate) |               |
|----------------------------------|-------------------------------------|-------------------------------|--------------------------------------|---|---------------|
| Product Colour                   |                                     | Grey                          | Grey, Transparent and Orange (plugs) | Chemical Orange   | Chemical Grey |
| <b>Acids</b>                     |                                     |                               |                                      |   |               |
| Weak Solutions                   | Hydrochloric 10%                    | Excellent                     | Excellent                            | Excellent   | Excellent     |
|                                  | Nitric 10%                          | Excellent                     | Excellent                            | Excellent   | Excellent     |
| Concentrate                      | Sulphuric 100%                      | Excellent                     | Not Suitable                         | Not Suitable  | Not Suitable  |
| <b>Alkalis</b>                   |                                     |                               |                                      |   |               |
| Weak Solutions                   | Sodium Hydroxide 10% (Caustic Soda) | Excellent                     | Not Suitable                         | Good  | Excellent     |
| Concentrate                      | Potassium Hydroxide 100%            | Excellent                     | Good                                 | Not Suitable  | Excellent     |
| <b>Automotive</b>                |                                     |                               |                                      |   |               |
|                                  | Petroleum                           | Excellent                     | Not Suitable                         | Excellent   | Not Suitable  |
|                                  | Lubrication Oils                    | Excellent                     | Not Suitable                         | Excellent   | Fair          |
|                                  | Hydraulic Oil                       | Excellent                     | Not Suitable                         | Excellent   | Fair          |
| <b>Solvents</b>                  |                                     |                               |                                      |   |               |
| Aliphatic Hydrocarbons (Alkanes) | Methane                             | Good                          | Excellent                            | Excellent   | Not Suitable  |
|                                  | Propane                             | Excellent                     | Excellent                            | Excellent   | Not Suitable  |
| Alcohols                         | Ethylene Glycol                     | Excellent                     | Excellent                            | Excellent   | Not Suitable  |
|                                  | Glycerol (Glycerin)                 | Excellent                     | Fair                                 | Good  | Excellent     |
|                                  | Methyl Alcohol (Methanol)           | Excellent                     | Not Suitable                         | Good  | Not Suitable  |
|                                  | Ethyl Alcohol (Ethanol)             | Excellent                     | Excellent                            | Excellent   | Not Suitable  |
| Amines                           | Aniline                             | Not Suitable                  | Not Suitable                         | Not Suitable  | Not Suitable  |
| Aromatic Hydrocarbons            | Methylbenzene                       | Not Suitable                  | Not Suitable                         | Good  | Fair          |
|                                  | Xylene                              | Not Suitable                  | Not Suitable                         | Good  | Fair          |
| Ethers                           | Dimethyl Ethyl                      | Excellent                     | Excellent                            | Excellent   | Not Suitable  |
| Ketones                          | Acetone                             | Excellent                     | Not Suitable                         | Fair  | Not Suitable  |
|                                  | Acetophenone                        | Not Suitable                  | Not Suitable                         | Fair  | Not Suitable  |
|                                  | Ethyl Methyl Ketone                 | Not Suitable                  | Not Suitable                         | Fair  | Not Suitable  |
| <b>Miscellaneous</b>             |                                     |                               |                                      |   |               |
|                                  | Detergent                           | Excellent                     | Excellent                            | Excellent   |               |
| Inorganic Salts                  | Magnesium Sulphate                  | Excellent                     | Excellent                            | Excellent   | Not Suitable  |
| <b>Oxidising Agents</b>          |                                     |                               |                                      |   |               |
| Weak Solution                    | Sodium Hypochlorite 5%              | Excellent                     | Excellent                            | Excellent   | Excellent     |
| Strong Solution                  | Hydrogen Peroxide 30%               | Excellent                     | Excellent                            | Excellent   | Excellent     |
| <b>Water</b>                     |                                     |                               |                                      |   |               |
|                                  | Ambient                             | Excellent                     | Excellent                            | Excellent   | Excellent     |
|                                  | Heated >60°C                        | Fair                          | Excellent                            | Good  | Fair          |
|                                  | Steam                               | Not Suitable                  | Not Suitable                         | Not Suitable  | Not Suitable  |

|              |  |
|--------------|--|
| Excellent    | Recommended no adverse effects after extended exposure                                   |
| Good         | Acceptable with minimal mechanical property loss from extended exposure                  |
| Fair         | Loss of mechanical property from extended exposure                                       |
| Not Suitable | Not recommended for use due to poor performance and significant mechanical property loss |



| Product Selection                                  |                     |   | Below details are given as examples and other environmental factors may influence the product selection |  |   | Recommended Range   |   |   |
|--|---------------------|---|---|--|---|---|---|---|
| Application  | Environment         |   |   |  |   | Preferred   | Good  | Fair  |
|  | Indoor or Outdoor   | Temperature                             | UV level  | Impact   | Exposure to chemicals and moisture from activities  |   |   |   |
| Maintenance / machining workshop                   | Indoors             | Ambient air temperature                 | Low UV levels   | Possible impacts   | Limited exposure to cutting fluids, oils, no or minimal exposure to rain.                                   |    |    |   |
| Plant rooms  | Indoors             | 0 °C to 40 °C                           | Low UV levels   | Possible impacts   | Possible moisture/condensation, no or limited chemicals or detergent exposure.                              |    |    |   |
| Automotive workshop                                | Indoors             | Ambient air temperature                 | Low to high UV levels   | Possible impacts from handling equipment.                          | Automotive fumes or chemicals.  |    |   |    |
| Warehouse  | Indoors             | Ambient air temperature                 | Low UV levels   | Possible impacts from handling equipment                           | No or minimal exposure to rain.   |    |   |   |
| Despatch or vehicle loading or transport area      | Indoors or outdoors | Ambient air temperature                 | Low to high UV levels   | Possible impacts from handling equipment.                          | Potential high exposure to rain.  |   |   |   |
| Cool room for perishable storage                   | Indoors             | -10 °C to 15 °C                         | Low UV levels   |  | Possible moisture or condensation, no or minimal chemicals or detergent exposure, minimal exposure to rain. |   |  |   |
| Conveyor belt materials handling                   | Indoors or outdoors | Ambient air temperature                 | Low to high UV levels   | May be exposed to impacts.   | no to high exposure to rain.  |  |   |  |
| Assembly plant or fabrication area                 | Indoors             | Ambient air temperature                 | Low UV levels   | Possible impacts from handling equipment                           | No exposure to rain.  |  |   |  |
| Minerals processing or Furnaces                    | Indoors             | 0 °C to 75 °C                           | Low UV levels   | Possible heavy impacts from handling equipment.                    | No or minimal exposure to moisture.   |   |  |  |
| Rooftop plant equipment platforms                  | Outdoors            | Ambient air temperature -15 °C to 75 °C | High UV   | Possible impacts from handling equipment.                          | Direct exposure to rain.  |  |   |  |
| Public car parks                                   | Indoors or outdoors | Ambient air temperature                 | Low to high UV levels,  | May be prone to vandalism.   | None or high exposure to rain, if indoors may be affected by fumes (needs consideration).                   |   |  |  |
| Car and Boat washdown                              | Outdoors            | Ambient air temperature -15 °C to 75 °C | High UV,  | May be exposed to impacts.   | Direct exposure to rain, exposure to salt water or petrol fumes.  |   |  |  |
| Outdoor storage tanks or industrial ponds or silos | Outdoors            | Ambient air temperature -15 °C to 75 °C | High UV,  |  | Possible exposure to acidic chemicals or chlorine, direct exposure to rain.                                 |  |   |  |
| Swimming pool or aquaculture ponds                 | Indoors/ outdoors   | Ambient air temperature -10 °C to 50 °C | Low to high UV levels   | Possible impacts from handling equipment may be prone to vandalism | Possible exposure to rain, presence of chlorine.  |  |  |   |



Standard Buffalo



Buffalo Chemical Orange



Buffalo Chemical Grey

| Product Selection   |                     |   | Below details are given as examples and other environmental factors may influence the product selection |   |  | Recommended Range   |   |   |
|---|---------------------|---|---|---|--|---|---|---|
| Application   | Environment         |   |   |   |  | Preferred   | Good  | Fair  |
|   | Indoor or Outdoor   | Temperature                             | UV level  | Impact                                    | Exposure to chemicals and moisture from activities   |   |   |   |
| Food processing, boning rooms or meat processing. Where large scale alkali cleaning occurs. | Indoors             | 5 °C to 25 °C                           | Low UV levels   | Possible impacts                          | Alkali's washdown area foaming alkaline cleaners, 75 °C high pressure cleaners, prone to condensation.   |    |   |   |
| Detergent washdown (fast food preparation)  | Indoors             | 5 °C to 25 °C                           | Low UV levels   | Low level impact                          | Mild detergents or mild household cleaners, washdown with water, prone to condensation.  |    |    |    |
| Acids or citrus based cleaners (wineries, breweries, coal wash plant)                       | Indoors or outdoors | Ambient temperature of -5 °C to 70 °C   | Low to high UV levels   | Possible impacts from handling equipment  | Acidic chemicals or products, possible exposure to citrus cleaners, washdown with water, no to high exposure to rain or water. No alkaline chemicals or cleaning agents. |    |   |   |
| Bottle or vat sterilising   | Indoors             | 5 °C to 40 °C                           | Low UV levels   | Low level impact                          | Exposure to detergents or sterilising agents, washdown with water, prone to condensation.  |    |   |   |
| Exposure to cooking Oil (chip friers etc.)  | Indoors             | 5 °C to 40 °C                           | Low UV levels   | Low level impact                          | Exposure to cooking oils, exposure to detergents or alkali cleaners, washdown with water, prone to condensation. No acid based cleaning agents.                          |   |   |   |
| Bottling plant  | Indoors             | Ambient air temperature                 | Low UV levels   | Possible impacts from handling equipment. | No or minimal exposure to rain.  |  |   |   |
| Food preparation area or kitchen  | Indoors             | 5 °C to 25 °C                           | Low UV levels   | Low level impact                          | Mild detergents, citrus based or household cleaners, washdown with water, prone to condensation. No alkaline cleaners.   |  |   |   |
| Staff canteen style food preparation  | Indoors,            | 0 °C to 40 °C                           | Low UV levels   | Low level impact                          | Some exposure to water, mild detergents or household cleaners. No or minimal exposure to rain. No alkaline cleaners. Exposure to rainfall and moisture.                  |  |   |   |
| Public eating area  | Indoors or outdoors | Ambient air temperature                 | outdoors may be subjected to high UV levels, indoors low UV   | May be prone to vandalism.                | Some exposure to water, mild detergents or household cleaners. No alkaline cleaners.   |  |  |   |
| Pedestrian traffic areas  | Indoors or outdoors | Ambient air temperature                 | outdoors may be subjected to high UV levels , indoors low UV  | May be prone to vandalism.                | None or minimal chemicals or detergent exposure. Exposure to rainfall and moisture.  |  |  |   |
| Toilets/wet areas   | Indoors             | 5 °C to 40 °C                           | Low UV levels   | Low level impact                          | Exposure to detergents or alkali cleaners, washdown with water, prone to condensation. No acid based cleaning agents.  |  |  |  |
| Office  | Indoors             | 0 °C to 40 °C                           | Low UV levels   | Low level impact                          | Minimal moisture or condensation, no or limited chemicals or detergent exposure.   |  |   |   |
| Outdoor BBQ's   | Outdoors            | Ambient air temperature -15 °C to 75 °C | High UV   | May be prone to vandalism                 | possible exposure to animal fats or cooking oil splash, direct exposure to rain.   |  |   |  |
| Outdoor lighting  | Outdoors            | Ambient air temperature -15 °C to 75 °C | High UV   | May be prone to vandalism                 | direct exposure to rain.   |  |   |  |



- BUC310**
- BUC310L**
- BUC315**
- BUC320F**
- BUC320**
- BUC332**
- BUC410**
- BUC420**
- BUC432**
- BUC440**
- BUC450**
- BUC510**
- BUC520**
- BUC532**
- BUC540**
- BUC550**
  
- BUC310LE**
- BUC310LLE**
- BUC315LE**
- BUC320FLE**
- BUC320LE**
- BUC332LE**
- BUC410LE**
- BUC420LE**
- BUC432LE**
- BUC440LE**
- BUC450LE**
- BUC510LE**
- BUC520LE**
- BUC532LE**
- BUC540LE**
- BUC550LE**

PAGE 1 of 2



## IP66 Combination Switched Sockets

Buffalo offers an extensive range of IP66 rated Combination Switched Sockets that are available in three-pin 10A to 32A, four-pin 10A to 50A and five-pin 10A to 50A designs.

Phase links are factory fitted between switches and sockets.

Small Single phase Flat pin - 10A to 20A

Size 1 Single & Three Phase - 10A- 20A

Size 2 Single & Three Phase - 32A - 50A

Heavy Duty terminals are standard on all products with Double Pole switching option as standard on 3 pin products.

The combination switch handle has two padlocking facilities (Oval Shape 11 x 9mm) so equipment can be safely isolated.

Switch is provided with LED fitment option (not supplied).

Combination sockets feature a clear dustproof & hoseproof flap allowing simple viewing of sockets. The flap is also provided with a reliable spring-tensioned latch to keep dust & liquids out.

Part bag contains twin screwed connector.



| General Information |         |                    |                   |                           |           |                 |                  |          |   |   |                            | Plug Data              |                      |
|---------------------|---------|--------------------|-------------------|---------------------------|-----------|-----------------|------------------|----------|---|---|----------------------------|------------------------|----------------------|
| Pin & Volt          | Cat No. | Current Rating (A) | Pin Config        | Pin Config Code (Table 1) | Enclosure | AC21 Rating (A) | AC23A Rating (A) | M Rating | Minimum Conductor Size (mm <sup>2</sup> ) | Maximum Conductor Size (mm <sup>2</sup> ) | Dimensions H* x W x D (mm) | Matching Plug Straight | Matching Plug Angled |
| 3 Pin<br>250V~      | BUC310  | 10                 | 3 Flat            | A                         | BUBB2GS   | 10              | 10               | 200      | 1.5                                       | 6   | 198x101x84                 | BUP310                 | -                    |
|                     | BUC310L | 10                 | 2 Flat<br>1 Round | C                         | BUBB2GS   | 10              | 10               | 200      | 1.5                                       | 6   | 198x101x84                 | BUP310L                | -                    |
|                     | BUC315  | 15                 | 3 Flat            | B                         | BUBB2GS   | 15              | 15               | 200      | 1.5                                       | 6   | 198x101x84                 | BUP315                 | -                    |
|                     | BUC320F | 20                 | 3 Flat            | E                         | BUBB2GS   | 20              | 20               | 200      | 2.5                                       | 16  | 198x101x84                 | BUP320F                | -                    |
|                     | BUC320  | 20                 | 3 Round           | G                         | BUBB2G    | 20              | 20               | 200      | 2.5                                       | 16  | 198x101x108                | BUP320                 | BUPA320              |
|                     | BUC332  | 32                 | 3 Round           | H                         | BUBB2G    | 32              | 32               | 200      | 6   | 16  | 198x101x108                | BUP332                 | BUPA332              |
| 4 Pin<br>500V~      | BUC410  | 10                 | 4 Round           | I                         | BUBB2G    | 10              | 10               | 200      | 6   | 16  | 198x101x108                | BUP410                 | BUPA410              |
|                     | BUC420  | 20                 | 4 Round           | J                         | BUBB2G    | 20              | 20               | 200      | 6   | 16  | 198x101x108                | BUP420                 | BUPA420              |
|                     | BUC432  | 32                 | 4 Round           | K                         | BUBB2G    | 32              | 32               | 200      | 6   | 16  | 198x101x108                | BUP432                 | BUPA432              |
|                     | BUC440  | 40                 | 4 Round           | L                         | BUBB2G    | 40              | 40               | 200      | 6   | 16  | 198x101x108                | BUP440                 | BUPA440              |
|                     | BUC450  | 50                 | 4 Round           | M                         | BUBB2G    | 50              | 50               | 200      | 6   | 16  | 198x101x108                | BUP450                 | BUPA450              |
| 5 Pin<br>500V~      | BUC510  | 10                 | 5 Round           | N                         | BUBB2G    | 10              | 10               | 200      | 2.5                                       | 6   | 198x101x108                | BUP510                 | BUPA510              |
|                     | BUC520  | 20                 | 5 Round           | O                         | BUBB2G    | 20              | 20               | 200      | 2.5                                       | 6   | 198x101x108                | BUP520                 | BUPA520              |
|                     | BUC532  | 32                 | 5 Round           | P                         | BUBB2G    | 32              | 32               | 200      | 6   | 16  | 198x101x108                | BUP532                 | BUPA532              |
|                     | BUC540  | 40                 | 5 Round           | Q                         | BUBB2G    | 40              | 40               | 200      | 6   | 16  | 198x101x108                | BUP540                 | BUPA540              |
|                     | BUC550  | 50                 | 5 Round           | R                         | BUBB2G    | 50              | 50               | 200      | 6   | 16  | 198x101x108                | BUP550                 | BUPA550              |

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUC310LE"

\*Note: Height of product excludes conduit plugs

### Certification Number:

BUC410, BUC420, BUC432, BUC440, BUC450, BUC510, BUC520,  
BUC532, BUC540, BUC550 : AZ69025570  
BUC310, BUC315, BUC320F: GMA-513502-EA  
BUC320, BUC332: AZ69025651

### GSM Electrical (Australia) Pty Ltd

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



**BUC310**  
**BUC310L**  
**BUC315**  
**BUC320F**  
**BUC320**  
**BUC332**  
**BUC410**  
**BUC420**  
**BUC432**  
**BUC440**  
**BUC450**  
**BUC510**  
**BUC520**  
**BUC532**  
**BUC540**  
**BUC550**

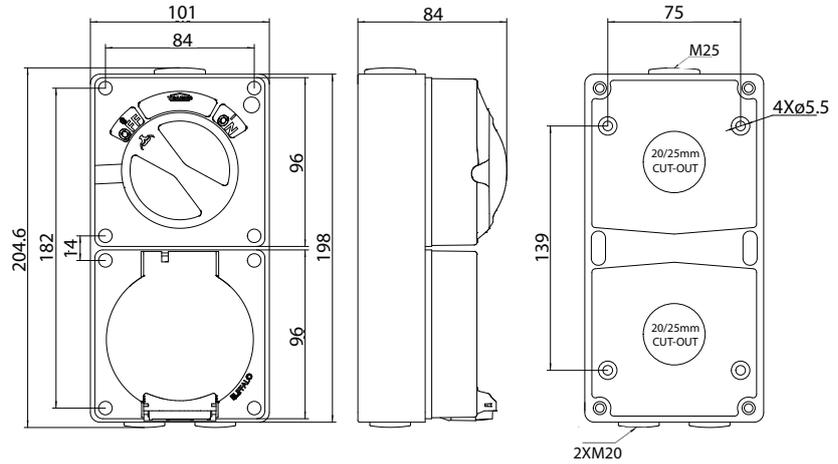
**BUC310LE**  
**BUC310LLE**  
**BUC315LE**  
**BUC320FLE**  
**BUC320LE**  
**BUC332LE**  
**BUC410LE**  
**BUC420LE**  
**BUC432LE**  
**BUC440LE**  
**BUC450LE**  
**BUC510LE**  
**BUC520LE**  
**BUC532LE**  
**BUC540LE**  
**BUC550LE**

PAGE 2 of 2

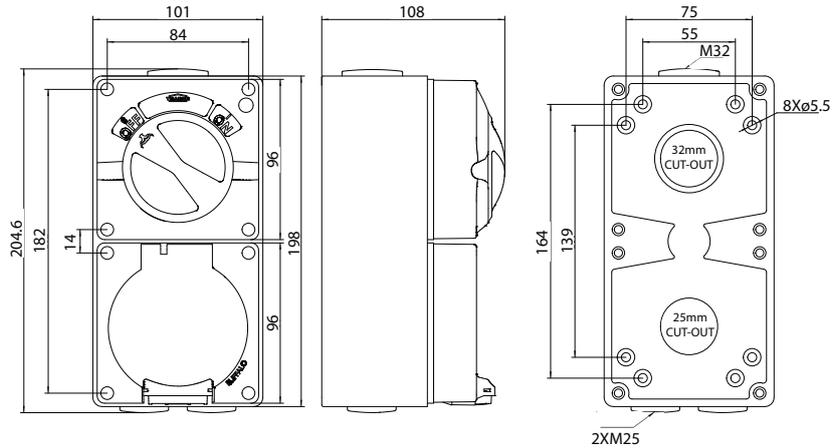


## Combination Switched Sockets Dimensional Drawings

Flat Pin Models (including BUC310L)



Round Pin Models



Small Single Phase  
Flat pin  
10A to 20A



Size 1  
Single/Three Phase  
10A - 20A



Size 2  
Single/Three Phase  
32A - 50A

GSM Electrical (Australia) Pty Ltd

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
www.gsm.com.au



Data Specification Sheet  
November 2022

## BUHPG2G

\*See current catalogue for further detail



## Buffalo High Pressure Gasket

- BUHPG2G is suitable for use on Modular Trader Buffalo standard depth enclosures and Trader Buffalo extra deep enclosures. They are not recommended for use on the Trader Buffalo range of shallow enclosures (due to possible interference when cable glands are used).
- Tested to IPX9 Level IEC 60529
- Suitable for IP66 as well as IPX9
- For pressure & temperature applications
- 85°C Temp
- Pressure 8,000 - 10,000 kPa

The recommended torque is 0.8Nm. (Slightly tighter than normal hand tightening.)  
The other recommendations are as follows:

- All unused conduit entries are to be sealed with PVC cement, or silicone or ensure o-rings are securely tightened.
- All internal fixings are to have caps (supplied) installed, preferably siliconed in place.
- Ideal for installations where food related residue needs to be pressure cleaned from between the cover modules, or down around the enclosures.
- Excellent for applications close to equipment that need regular hot pressure washing to maintain hygienic conditions.
- Requires slightly higher torque on corner screws as the gasket material is harder to resist the jet pressures.



| Catalogue Number | Description  |
|------------------|--|
| BUHPG2G          | Gasket Weatherproof High Pressure 2 Gang Cream for Buffalo Range |

**BUC310RC30N**  
**BUC315RC30N**  
**BUC320RC30N**  
**BUC320FRC30N**  
**BUC332RC30N**  
**BUC510RC30N**  
**BUC520RC30N**  
**BUC532RC30N**  
**BUC540RC30N**  
**BUC550RC30N**

## IP66 Combination Switched socket with 30mA RCD protection

Buffalo offers an extensive range of IP66 rated Combination Switched Sockets that are available in three-pin 10A and 15A, and five-pin 10A, 20A, 32A, 40A and 50A designs.

This range has now been expanded to include Wolverine range 30mA RCD protected combinations mounted in BU4DIN covers on BUBB4G four gang enclosures and pre-wired for ease of installation for the end user.

Cable links and assemblies have been tested in accordance with AS/NZS3100 to ensure suitable thermal performance.

The RCD protected range currently consists of:

- Single phase Flat pin - 10A and 15A combinations
- Size 1 Three Phase 5 pin - 10A and 20A combinations
- Size 2 Three Phase 5 pin - 32A - 50A combinations

As standard the DIN covers are non-power available variants. Other options may be available upon special request.



| General Information |               |                    |            |                           |           |                 |                  |          |   |   |                            | Plug Data              |                      |
|---------------------|---------------|--------------------|------------|---------------------------|-----------|-----------------|------------------|----------|---|---|----------------------------|------------------------|----------------------|
| Pin & Volt          | Cat No.       | Current Rating (A) | Pin Config | Pin Config Code (Table 1) | Enclosure | AC21 Rating (A) | AC23A Rating (A) | M Rating | Minimum Conductor Size (mm <sup>2</sup> ) | Maximum Conductor Size (mm <sup>2</sup> ) | Dimensions H* x W x D (mm) | Matching Plug Straight | Matching Plug Angled |
| 3 Pin 250V~         | BUC310RC30N   | 10                 | 3 Flat     | A                         | BUBB4G    | 10              | 10               | 200      | 1.5                                       | 6   | 101x101x111                | BUP310                 | -                    |
|                     | BUC315RC30N   | 15                 | 3 Flat     | B                         | BUBB4G    | 15              | 15               | 200      | 1.5                                       | 6   | 101x101x111                | BUP315                 | -                    |
|                     | BUC320RC30N   | 20                 | 3 Round    | G                         | BUBB4G    | 20              | 20               | 200      | 2.5                                       | 16  | 101x101x111                | BUP320                 | BUPA320              |
|                     | BUC320RC30FRN | 20                 | 3 Flat     | E                         | BUBB4G    | 20              | 20               | 200      | 2.5                                       | 16  | 101x101x111                | BUP320F                | -                    |
|                     | BUC332RC30N   | 32                 | 3 Round    | H                         | BUBB4G    | 32              | 20               | 200      | 2.5                                       | 16  | 101x101x111                | BUP332                 | BUPA332              |
| 5 Pin 500V~         | BUC510RC30N   | 10                 | 5 Round    | N                         | BUBB4G    | 10              | 10               | 200      | 2.5                                       | 6   | 101x101x111                | BUP510                 | BUPA510              |
|                     | BUC520RC30N   | 20                 | 5 Round    | O                         | BUBB4G    | 20              | 20               | 200      | 2.5                                       | 6   | 101x101x111                | BUP520                 | BUPA520              |
|                     | BUC532RC30N   | 32                 | 5 Round    | P                         | BUBB4G    | 32              | 20               | 200      | 6   | 16  | 101x101x111                | BUP532                 | BUPA532              |
|                     | BUC540RC30N   | 40                 | 5 Round    | Q                         | BUBB4G    | 40              | 25               | 200      | 6   | 16  | 101x101x111                | BUP540                 | BUPA540              |
|                     | BUC550RC30N   | 50                 | 5 Round    | R                         | BUBB4G    | 50              | 25               | 200      | 6   | 16  | 101x101x111                | BUP550                 | BUPA550              |

**Note: All units are made to order with a 4-week lead time. Please enquire for availability, and pricing.**



**BUSW210**  
**BUSW220**  
**BUSW232**  
**BUSW310**  
**BUSW320**  
**BUSW332**  
**BUSW363**  
**BUSW420**  
**BUSW432**  
**BUSW463**  
  
**BUSW210LE**  
**BUSW220LE**  
**BUSW232LE**  
**BUSW310LE**  
**BUSW320LE**  
**BUSW332LE**  
**BUSW363LE**  
**BUSW420LE**  
**BUSW432LE**  
**BUSW463LE**

^BUSW350 Series to be phased out, alternative is BUSW363 Series.

## IP66 Heavy Duty Switches / Switch Disconnectors



- The Buffalo switches have recently been updated with testing for categorization for Isolation and are now marked for use as switch disconnectors.
- The 10A to 20A models have been certified in accordance with AS/NZS3133 and 10A,20A,32A, and 63A have also been tested complied with IEC and AS 60947-3 with the 32A and 63A models being listed on a certificate of suitability.
- The same heavy duty switches are used in our Combinations are available as individual switches for isolation and control applications.
- Heavy Duty terminals with diameter 7.6mm terminals suitable for 25mm<sup>2</sup> cable.
- Switch supplied with a large, easy to use knob, suitable for use with heavy industrial gloves. Has a positive, rotary action.
- Switch Knob features two Oval Shape (11 x 9mm) lock off facilities. Suits 9.0mm padlock staple.
- Conduit plugs provided with rubber gaskets to assist IP rating and to aid secure fitment.
- Raised ON/OFF marking to allow visibility in dusty environments.
- Laser etched product marking (no adhesive labels that fall off).
- LED Drill out facility for LED indicators (not supplied).
- Approved to AS/NZS3133 (10A - 20A), AS 60947-3 (Over 32A).(All models tested in accordance and comply with both standards)
- BUSW463 is fitted with a deep enclosure.
- Range includes Double, Three Pole, as well as Four Pole in amperages from 10A up to 63A. See the table for product detail as some configurations vary.
- All models have been tested and comply with AS/NZS 3133 M200 motor rating as shown in the table.
- In addition, the Utilization category of AC23A for motors and highly inductive loads is rated at Ie=10A for the 10A models, Ie=20A for 20A and Ie=32A Models and Ie=50A for 63A.
- Pollution Degree: 2
- Recommended screw torque for corner cover screws 0.6Nm
- Recommended torque for Earth/Neutral fixed terminals 2Nm
- Recommended torque for Switch terminals 2.5Nm

## Heavy Duty Switch Terminals



2 Pole



3 Pole



4 Pole

### Certification Number:

BUSW110, BUSW210, BUSW120, BUSW220,  
 BUSW310, BUSW320: SAA-212017-EA  
 BUSW232, BUSW332, BUSW340, BUSW350, BUSW363: SAA212342

### GSM Electrical (Australia) Pty Ltd

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
 P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



Data Specification Sheet  
 September 2023

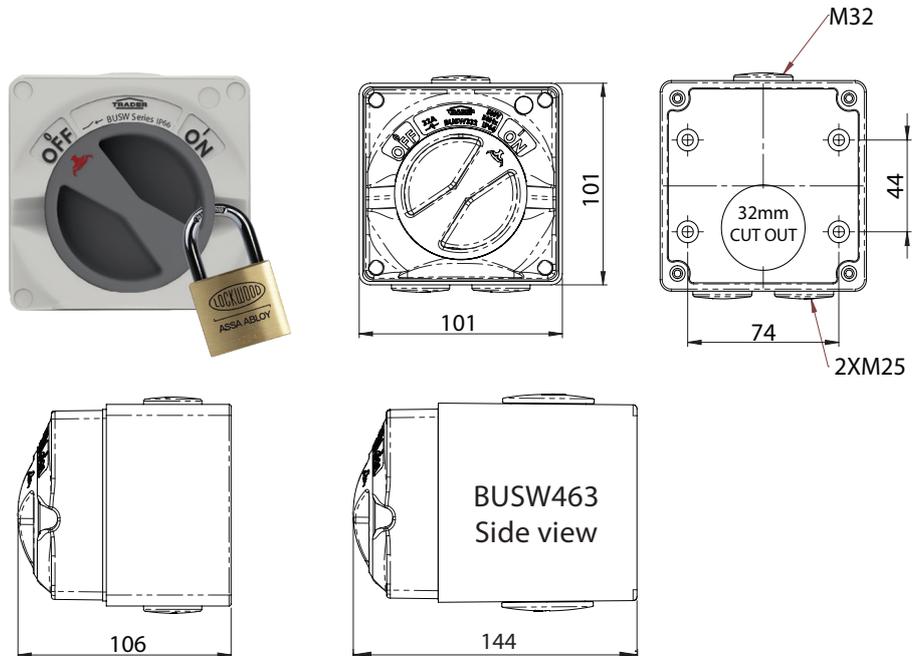


- BUSW210
- BUSW220
- BUSW232
- BUSW310
- BUSW320
- BUSW332
- BUSW363
- BUSW420
- BUSW432
- BUSW463
- BUSW210LE
- BUSW220LE
- BUSW232LE
- BUSW310LE
- BUSW320LE
- BUSW332LE
- BUSW363LE
- BUSW420LE
- BUSW432LE
- BUSW463LE

## IP66 Heavy Duty Switches / Switch Disconnectors

| Configuration (Ratings to IEC60947-3/AS 60947-3 and AS/NZS 3133)  | Cat No. | Rated Thermal Current Ith | AC23A Rating (Ue:500V~) (Ie=(A)) | Motor M Rating (A) | Minimum Conductor Size (mm <sup>2</sup> ) | Maximum Conductor Size (mm <sup>2</sup> ) | Symbol  |
|---|---------|---------------------------|----------------------------------|--------------------|---|---|---|
| 2 Pole<br>Rated Operational Voltage Ue (50Hz):500V~<br>Rated Insulation Voltage Ui (~50Hz):690V<br>Rated Short Time Withstand Icw: 1.26kA/1s<br>Rated impulse withstand voltage Uimp (kV): 4.0kV<br>Rated short circuit making capacity Icm (28.4Ie): 1.789kA<br>Uninterrupted Duty | BUSW210 | 10                        | 10                               | 200                | 2.5                                       | 16  |    |
|   | BUSW220 | 20                        | 20                               | 200                | 2.5                                       | 16  |    |
|   | BUSW232 | 32                        | 32                               | 200                | 6   | 16  |    |
| 3 Pole<br>Rated Operational Voltage Ue (50Hz):500V~<br>Rated Insulation Voltage Ui (~50Hz):690V<br>Rated Short Time Withstand Icw: 1.26kA/1s<br>Rated impulse withstand voltage Uimp (kV): 4.0kV<br>Rated short circuit making capacity Icm (28.4Ie): 1.789kA<br>Uninterrupted Duty | BUSW310 | 10                        | 10                               | 200                | 2.5                                       | 16  |    |
|   | BUSW320 | 20                        | 20                               | 200                | 2.5                                       | 16  |    |
|   | BUSW332 | 32                        | 32                               | 200                | 6   | 16  |    |
|   | BUSW363 | 63                        | 50                               | 200                | 16  | 25  |    |
| 4 Pole<br>Rated Operational Voltage Ue (50Hz):500V~<br>Rated Insulation Voltage Ui (~50Hz):690V<br>Rated Short Time Withstand Icw: 1.26kA/1s<br>Rated impulse withstand voltage Uimp (kV): 4.0kV<br>Rated short circuit making capacity Icm (28.4Ie): 1.789kA<br>Uninterrupted Duty | BUSW420 | 20                        | 20                               | 200                | 2.5                                       | 16  |    |
|   | BUSW432 | 32                        | 32                               | 200                | 6   | 16  |   |
|   | BUSW463 | 63                        | 50                               | 200                | 16  | 25  |  |

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSW210LE"



PAGE 1 of 2



**Certification Number:**

BUSW110, BUSW210, BUSW120, BUSW220,  
BUSW310, BUSW320: SAA-212017-EA  
BUSW232, BUSW332, BUSW340, BUSW350, BUSW363: SAA212342

**GSM Electrical (Australia) Pty Ltd**

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)



## BUSUNSW

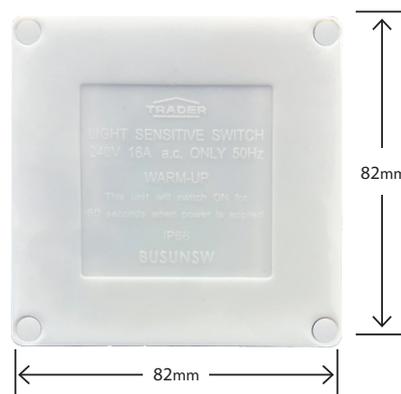
\*See current catalogue for further detail

### 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.

## Weatherproof IP66 Sunset Switch

- Voltage: 220-240V/AC
- Power Frequency: 50/60Hz
- Rated Current: 16A
- SBL (LED) 400W
- Suitable for incandescent and dimmable fluorescent
- Ambient Light: <3-500LUX (adjustable)
- Working Temperature: -20~+40°C
- Working Humidity: <93%RH
- Built-in Timer: 1, 2, 3, 4, 5, 6, 7, 8, 9 Hours
- IP Class: IP66
- Internal terminal cover for greater safety
- Fits modular Buffalo range of back boxes.



| Catalogue Number | Description   |
|------------------|---|
| BUSUNSW          | Sunset Switch Weatherproof IP66 16A 220V 240V ac 250W LED Rated 3 Wire Programmable 1 hour Dusk to Dawn |

### Certification Number:

GMA-521737-EA

### GSM Electrical (Australia) Pty Ltd

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)



**BUSW220CO**  
**BUSW320R**

**BUSW220COLE**  
**BUSW320RLE**

## IP66 Changeover & Reversing Switches

Buffalo's Two Pole 20A Changeover & Three Pole 20A Forward/ Reversing Switches are housed within IP66 single modules as part of the overall modular concept of the range.

Provided with Rotary Cam Switch control with clear escutcheon marking:

- Changeover marked '1-0-2'
- Forward OFF Reverse marked 'F-0-R'

Earth and neutral connectors accommodating 3 x 6mm<sup>2</sup> cables are provided with all models.

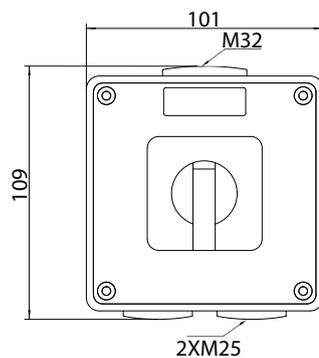
Approved to AS/NZS3133.



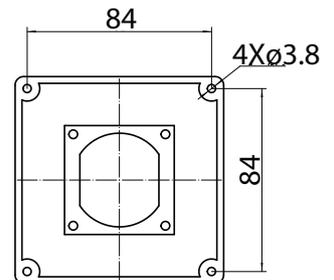
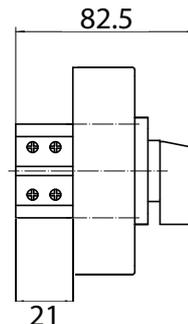
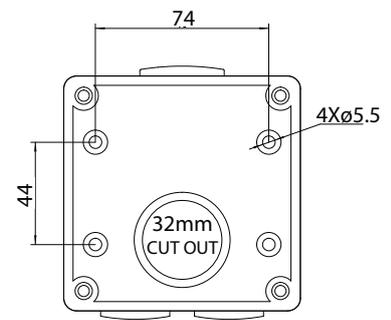
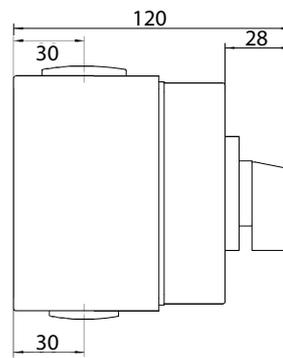
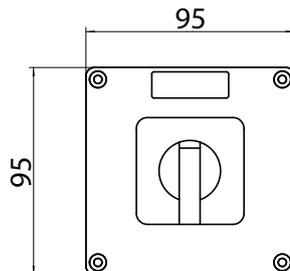
Rotary Cam-Switch Control

| Pole & Volt  | Cat No.   | Current Rating (Nominal) (A) | Conduit Entries      | Rear Cut-Outs dia. |
|--------------|-----------|------------------------------|----------------------|--------------------|
| 2 Pole 500V~ | BUSW220CO | 20                           | 2 x 25mm<br>1 x 32mm | 1 x 32mm           |
| 3 Pole 500V~ | BUSW320R  | 20                           | 2 x 25mm<br>1 x 32mm | 1 x 32mm           |

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSW220COLE"



Less Enclosure



**Certification Number:**  
GMA-516354-EA

**GSM Electrical (Australia) Pty Ltd**

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)



Data Specification Sheet  
September 2023

**BUAI310**  
**BUAI315**  
**BUAI310LE**  
**BUAI315LE**

## IP66 Appliance Inlets Single Phase Flat Pin (250V~)

The Appliance Inlets physically adapt with the other products in the Buffalo range and offer opportunities to provide power to portable infrastructure in harsh conditions. They utilise the same interchangeable gasket systems to meet IP66 performance.

Available in 10A and 15A flat pin format compliant to AS/NZS3112.

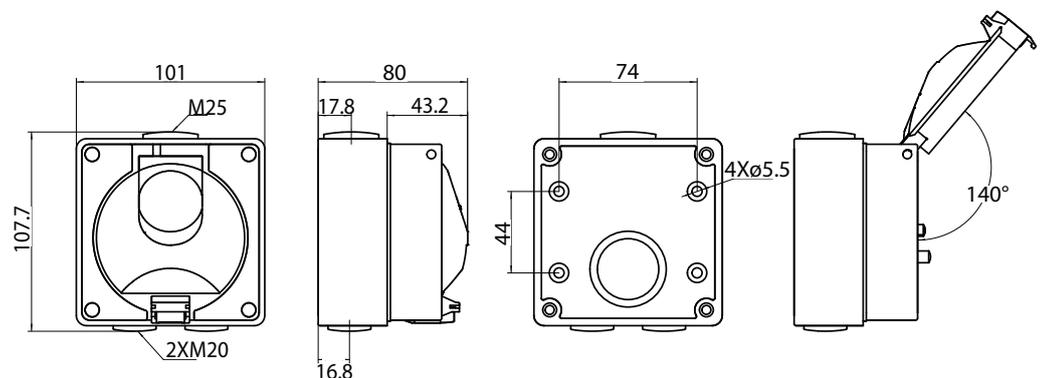
The material of these products varies from others in the range as they are made from UV stabilised polycarbonate. They use the same installation and gasket system as the rest of the Buffalo range and provide suitable IP66 seal when installed.

### Features and Benefits

- 3 flat pins, 10A & 15A
- 1.5mm – 6mm conductor terminal
- Grey polycarbonate construction.
- Insulated Pins.
- Transparent Spring loaded flap.
- Compliant to AS/NZS3112.



| Cat No.   | Description                                    | Height (mm) | Width (mm) | Length (mm) | Conduit Entries      | Matching Extension Socket |
|-----------|--|-------------|------------|-------------|----------------------|---------------------------|
| BUAI310   | Appliance Inlet IP66 10A 250V~                 | 80          | 101        | 101         | 2 x 20mm<br>1 x 25mm | BUEXO310                  |
| BUAI315   | Appliance Inlet IP66 15A 250V~                 | 80          | 101        | 101         | 2 x 20mm<br>1 x 25mm | BUEXO315                  |
| BUAI310LE | Appliance Inlet IP66 10A 250V~, Less Enclosure | 43          | 97         | 97          | N/A                  | BUEXO310                  |
| BUAI315LE | Appliance Inlet IP66 15A 250V~, Less Enclosure | 43          | 97         | 97          | N/A                  | BUEXO315                  |



**Certification Numbers:**  
SAA191208

**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



Data Specification Sheet  
August 2021

**BUAI320**  
**BUAI332**  
**BUAI410**  
**BUAI420**  
**BUAI432**  
**BUAI440**  
**BUAI450**  
**BUAI510**  
**BUAI520**  
**BUAI532**  
**BUAI540**  
**BUAI550**

PAGE 1 of 2



## IP66 Appliance Inlets Single & Three Phase Round Pin (250V~ & 500V~)

- Size 1 Single & Three Phase 10A to 20A (250V~ to 500V~).
- Size 2 Single & Three Phase 32A to 50A (250V~ to 500V~).
- 3 Round Pin, 4 Round Pin, 5 Round Pin.
- 10A, 15A, 20A, 32A, 40A & 50A current ratings.
- Two gang design to provide additional wiring space.
- Features downward facing, angled pin housing which enables extension sockets to be neatly connected without bulky right angle entry.
- Suits Small to Large Single or Three phase loads.
- Ribbed Locking Ring to assist gripping with gloved hands and to secure extension sockets.



| Cat No. | Description                          | Dimensions<br>H* x W x D<br>(mm) | Terminal<br>Size (mm<br>dia) | Maximum<br>Conductor<br>Size (mm <sup>2</sup> ) | Conduit<br>Entries   | Matching<br>Extension<br>Socket |
|---------|--------------------------------------|----------------------------------|------------------------------|---|----------------------|---------------------------------|
| BUAI320 | Appliance Inlet IP66 20A 500V~ 3 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO320                       |
| BUAI332 | Appliance Inlet IP66 32A 500V~ 3 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO332                       |
| BUAI410 | Appliance Inlet IP66 10A 500V~ 4 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO410                       |
| BUAI420 | Appliance Inlet IP66 20A 500V~ 4 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO420                       |
| BUAI432 | Appliance Inlet IP66 32A 500V~ 4 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO432                       |
| BUAI440 | Appliance Inlet IP66 40A 500V~ 4 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO440                       |
| BUAI450 | Appliance Inlet IP66 50A 500V~ 4 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO450                       |
| BUAI510 | Appliance Inlet IP66 10A 500V~ 5 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO510                       |
| BUAI520 | Appliance Inlet IP66 20A 500V~ 5 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO520                       |
| BUAI532 | Appliance Inlet IP66 32A 500V~ 5 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO532                       |
| BUAI540 | Appliance Inlet IP66 40A 500V~ 5 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO540                       |
| BUAI550 | Appliance Inlet IP66 50A 500V~ 5 Pin | 183x101x198                      | 4.1                          | 10  | 2 x 25mm<br>1 x 32mm | BUEXSO550                       |

**Certification Numbers:**  
SA2 11330

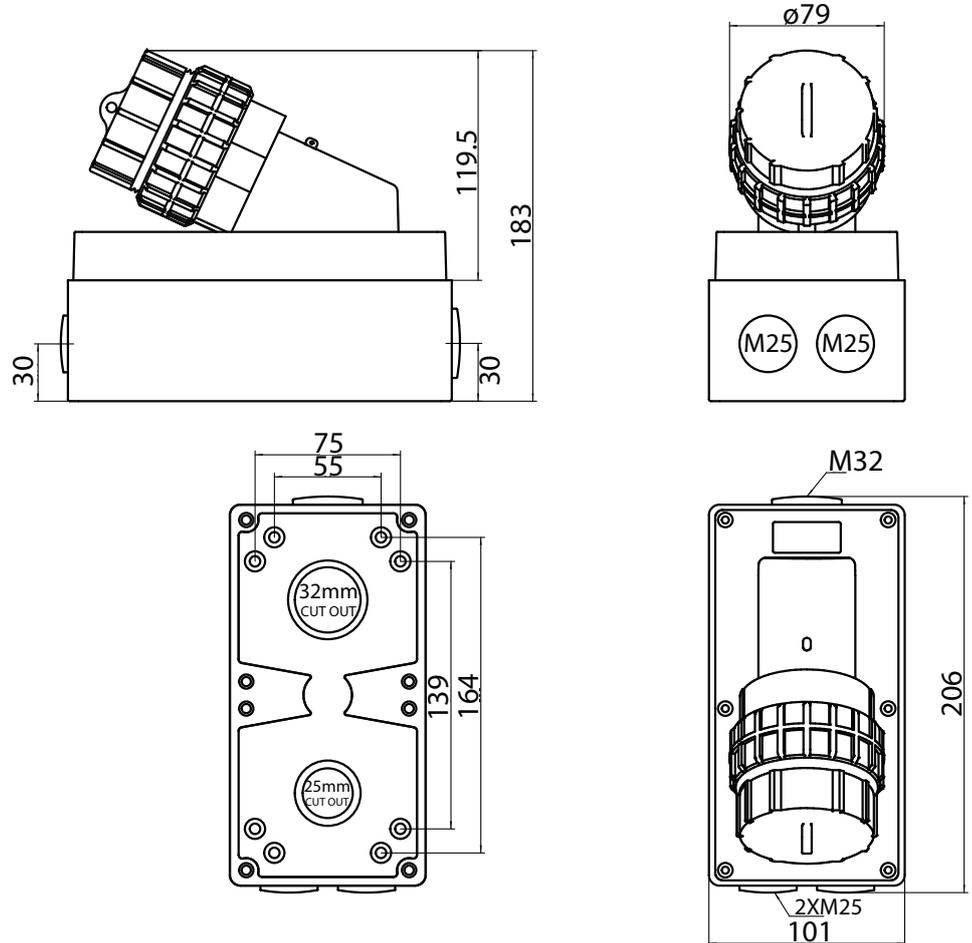
**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



Data Specification Sheet  
December 2021

- BUAI320**
- BUAI332**
- BUAI410**
- BUAI420**
- BUAI432**
- BUAI440**
- BUAI450**
- BUAI510**
- BUAI520**
- BUAI532**
- BUAI540**
- BUAI550**

PAGE 2 of 2



**BUSOAU310**  
**BUSOAU315**

**BUSOAU310LE**  
**BUSOAU315LE**

## IP66 Sockets Auto Switched

Buffalo IP66 Auto-Switched Sockets as the name suggests can operate without the need for separate isolating switches. Available in 10A or 15A flat pin format compliant to AS/NZS3112.

They are robust and easy to use, and have a one piece spring-loaded transparent flap with self-latching design to seal out dust and moisture when not in use, ensuring an IP66 rating.

Flap's spring-loaded pin is centrally assembled eliminating the need to insert external cover caps. Flap opens up to 180° enabling easy insertion & removal of plugs.

Threaded socket surround will accept Plug lock rings to ensure IP66 rating & secure fitment.

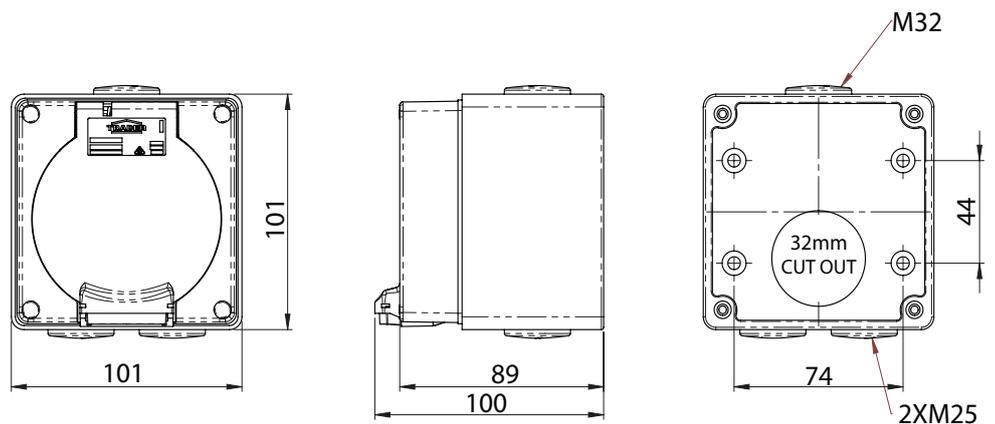
Shutter operates from either earth or neutral.

Auto-Switched Sockets are double pole switched.



| Pin & Volt  | Cat No.   | Current Rating (A) | Pin Config | Pin Config Code (Table 1) | Enclosure | Minimum Conductor Size (mm <sup>2</sup> ) | Maximum Conductor Size (mm <sup>2</sup> ) | Buffalo Matching Plug |
|-------------|-----------|--------------------|------------|---------------------------|-----------|---|---|-----------------------|
| 3 Pin 250V~ | BUSOAU310 | 10                 | 3 Flat     | A                         | BUBB1G    | 1.5                                       | 6   | BUP310                |
|             | BUSOAU315 | 15                 | 3 Flat     | B                         | BUBB1G    | 1.5                                       | 6   | BUP315                |

When ordering **LESS ENCLOSURE** add "LE" at end of catalogue number, ie "BUSOAU310LE"



**Certification Number:**  
SAA-212016-EA

**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)



Product Code Cross Reference

**BUSO215P32**

**BUSO310**

**BUSO310L**

**BUSO310RP**

**BUSO315**

**BUSO320F**

**BUSO320**

**BUSO332**

**BUSO410**

**BUSO420**

**BUSO432**

**BUSO440**

**BUSO450**

**BUSO510**

**BUSO520**

**BUSO532**

**BUSO540**

**BUSO550**

**BUSO215P32LE**

**BUSO310LE**

**BUSO310LLE**

**BUSO310RPLE**

**BUSO315LE**

**BUSO320FLE**

**BUSO320LE**

**BUSO332LE**

**BUSO410LE**

**BUSO420LE**

**BUSO432LE**

**BUSO440LE**

**BUSO450LE**

**BUSO510LE**

**BUSO520LE**

**BUSO532LE**

**BUSO540LE**

**BUSO550LE**

## IP66 Heavy Duty Sockets

The Socket components used in Buffalo Combinations are also available as individual Socket Outlets for use in relevant applications.

They are robust and easy to use, and have a one piece spring-loaded transparent flap with self-latching design to seal out dust and moisture when not in use, ensuring an IP66 rating.

Flap's spring-loaded pin is centrally assembled eliminating the need to insert external cover caps. Flap opens up to 180° enabling easy insertion & removal of plugs.

Threaded socket surround will accept Plug lock rings to ensure IP66 rating & secure fitment.

The range includes three, four, and five pin products in amperages from 10A up to 50A. See the table for product detail.

Small Single phase Flat pin - 10A to 20A

Size 1 Single & Three Phase - 10A- 20A

Size 2 Single & Three Phase - 32A - 50A



| Pin & Volt     | Cat No.    | Current Rating (A) | Pin Config         | Pin Config Code (Table 1) | Enclosure | Minimum Conductor Size (mm <sup>2</sup> ) | Maximum Conductor Size (mm <sup>2</sup> ) | Buffalo Matching Plug |
|----------------|------------|--------------------|--------------------|---------------------------|-----------|---|---|-----------------------|
| 2 Pin<br>32V~  | BUSO215P32 | 15                 | 2 Pin<br>Polarised | D                         | BUBB1G    | 2.5                                       | 6   | -                     |
| 3 Pin<br>250V~ | BUSO310    | 10                 | 3 Flat             | A                         | BUBB1G    | 1.5                                       | 6   | BUP310                |
|                | BUSO310L   | 10                 | 2 Flat<br>1 Round  | C                         | BUBB1G    | 1.5                                       | 6   | BUP310L               |
|                | BUSO310RP  | 10                 | 3 Round            | F                         | BUBB1G    | 1.5                                       | 6   | BUP310RP              |
|                | BUSO315    | 15                 | 3 Flat             | B                         | BUBB1G    | 2.5                                       | 6   | BUP315                |
|                | BUSO320F   | 20                 | 3 Flat             | E                         | BUBB1G    | 2.5                                       | 6   | BUP320F               |
|                | BUSO320    | 20                 | 3 Round            | G                         | BUBB1G    | 2.5                                       | 6   | BUP320/BUPA320        |
| 4 Pin<br>500V~ | BUSO332    | 32                 | 3 Round            | H                         | BUBB1G    | 6   | 16  | BUP332/BUPA332        |
|                | BUSO410    | 10                 | 4 Round            | I                         | BUBB1G    | 2.5                                       | 6   | BUP410/BUPA410        |
|                | BUSO420    | 20                 | 4 Round            | J                         | BUBB1G    | 2.5                                       | 6   | BUP420/BUPA420        |
|                | BUSO432    | 32                 | 4 Round            | K                         | BUBB1G    | 6   | 16  | BUP432/BUPA432        |
|                | BUSO440    | 40                 | 4 Round            | L                         | BUBB1G    | 6   | 16  | BUP440/BUPA440        |
| 5 Pin<br>500V~ | BUSO450    | 50                 | 4 Round            | M                         | BUBB1G    | 6   | 16  | BUP450/BUPA450        |
|                | BUSO510    | 10                 | 5 Round            | N                         | BUBB1G    | 2.5                                       | 6   | BUP510/BUPA510        |
|                | BUSO520    | 20                 | 5 Round            | O                         | BUBB1G    | 2.5                                       | 6   | BUP520/BUPA520        |
|                | BUSO532    | 32                 | 5 Round            | P                         | BUBB1G    | 6   | 16  | BUP532/BUPA532        |
|                | BUSO540    | 40                 | 5 Round            | Q                         | BUBB1G    | 6   | 16  | BUP540/BUPA540        |
| BUSO550        | 50         | 5 Round            | R                  | BUBB1G                    | 6         | 16  | BUP550/BUPA550                            |                       |

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSO310LE"

**Certification Number:**

BUSO410, BUSO420, BUSO432, BUSO440, BUSO450, BUSO510, BUSO520,

BUSO532, BUSO540, BUSO550 : AZ69025555

BUSO310, BUSO315, BUSO320F: GMA-513501-EA

BUSO320, BUSO332: AZ69025572

**GSM Electrical (Australia) Pty Ltd**

Level 2, 142-144 Fullarton Road, Rose Park SA 5067

P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au

[www.gsme.com.au](http://www.gsme.com.au)



Product Code Cross Reference

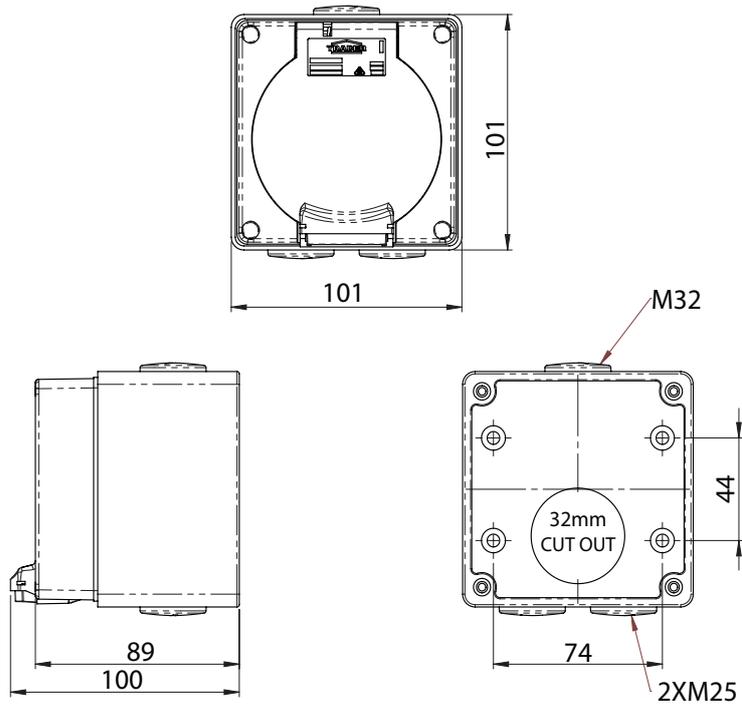
- BUSO215P32
- BUSO310
- BUSO310L
- BUSO310RP
- BUSO315
- BUSO320F
- BUSO320
- BUSO332
- BUSO410
- BUSO420
- BUSO432
- BUSO440
- BUSO450
- BUSO510
- BUSO520
- BUSO532
- BUSO540
- BUSO550

- BUSO215P32LE
- BUSO310LE
- BUSO310LLE
- BUSO310RPLE
- BUSO315LE
- BUSO320FLE
- BUSO320LE
- BUSO332LE
- BUSO410LE
- BUSO420LE
- BUSO432LE
- BUSO440LE
- BUSO450LE
- BUSO510LE
- BUSO520LE
- BUSO532LE
- BUSO540LE
- BUSO550LE

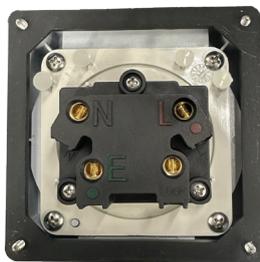
PAGE 2 of 2



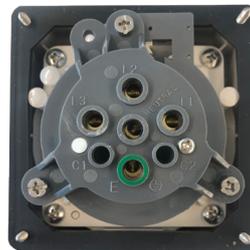
## Heavy Duty Sockets Dimensional Drawings



## Heavy Duty Socket Terminals



Small Single Phase  
Flat pin  
10A to 20A



Size 1  
Single/Three Phase  
10A - 20A



Size 2  
Single/Three Phase  
32A - 50A

**BUSO432E3HLE**  
**BUSO432E6HLE**

**IP66 IEC309 Socket**

Buffalo IP66 IEC309 Sockets, 32 Amp 380V - 440V IP66 socket, adapted to fit the modular Buffalo series assemblies and back boxes.

Fits combination assembly layouts (Functional with a Buffalo switch BUSW series switch above it)

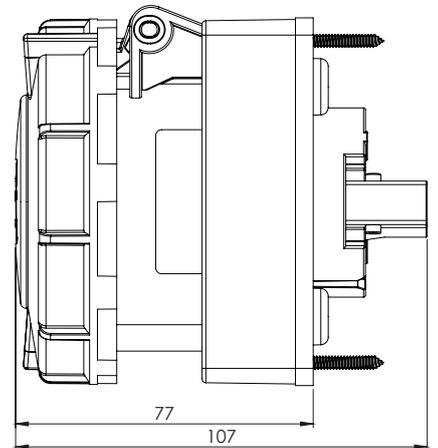
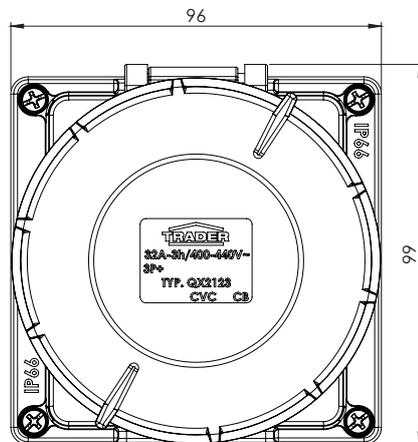
Ideal for general use where international plugs are used, particularly with the application for industrial plug from refer containers.

Panel Mounting Straight Socket with Nickel -plated socket contacts, Pa66/Pa6 material body on a polycarbonate base.

- Working Temperature: +40, -25° C
- Rated Voltage: 380V - 440V
- Frequency: 50/60Hz
- Poles: 4
- Rated Current: 32A
- Earth pin position at 3 o'clock or 6 o'clock
- Conforms to European / International standards EN/IEC 60309
- Good corrosion protection in aggressive environments and at high degrees of air humidity due to nickel-plated contacts.
- Highly heat resistant contacts.
- Easy opening and closing of lid though integrated opening bayonet rotating lock.
- Reduced installation time.
- Quality tunnel type terminals which securely clamp the conductor.
- Sold as less enclosure to allow greater flexibility and adaptation to other electrical box assemblies.



| Cat No.      | Description  | Height (mm) | Width (mm) | Length (mm) |
|--------------|--|-------------|------------|-------------|
| BUSO432E3HLE | Socket IP66 380-440V~ 4 Pin 32A IEC309 Earth 3 hour Less Enclosure | 99          | 107        | 96          |
| BUSO432E6HLE | Socket IP66 500V 4 Pin 32A IEC309 Earth 6 hour Less Enclosure      | 99          | 107        | 96          |



**Certification Number:**  
GMA-516399

**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



## BURCD20DP30



## Buffalo Residual Current Device (RCD)

The BU2P20RCD is a 30mA sensing residual current device with double pole 20A rated switching contacts. The RCD constantly monitors the current flow between the phase active and neutral for the device that it is connected to whether an appliance or socket outlet. When the RCD senses an imbalance at the 30mA threshold it trips the circuit and removes the power before personal injury can occur. This RCD is designed to be used as local protection within the Buffalo modular range and should be used in conjunction with other forms of personal and overcurrent protecting in the electrical system.

This Buffalo RCD is designed to function within the IP66 rated housing and provide personal protection for Earth faults and is intended for use either as a permanently wired device in an installation or connected to a socket outlet in a multi-gang arrangement for use with plugging in different appliances or equipment.

The RCD contains a green LED on the front that shows there is power to the unit, however the RCD is not armed so power will not be supplied to the connected device. This is also an indication that the RCD has tripped. When the green RESET button is pressed, the RCD contact will close (providing the circuit is safe) and the LED will show red indicating that power is flowing through the unit to the connected device. When the yellow test button is pressed the LED will trip and the red LED will turn green, indicating the connected circuit is safe. The RCD is in the circuit for providing personal protection and should not be used as an on/off switch for a socket outlet or device. These should have their own functional switch or auto switched socket arrangement.

The RCD is for personal protection and should be connected to a 20A max MCB at the distribution board to prevent damage from overload to circuits or the RCD.

Prior to maintenance devices MUST be disconnected from the RCD to prevent damage and MUST be isolated at the switchboard.

|   |                      |                 |  |
|---|----------------------|-----------------|--|
| Rating                                      | 230 - 240V a.c. 50Hz | Protection      | IP66   |
| Rated Load                                  | 20A                  | Operating temp. | -10°C to 40°C  |
| Maximum Load                                | 4800W                | Dimensions      | 100mm x 100mm x 75mm   |
| Max. tripping current a.c and pulsating d.c | 30mA                 | Type tested to  | AS/NZS3100, AS/NZS3190, AS.NZS3175 Clause 9.21, Type A RCD's |
| Average trip time                           | 30ms                 |                 |  |

| PROBLEM  | LED                    | REASON   | ACTION   |
|--|------------------------|--|--|
| RCD will not reset   | OFF                    | No power to RCD  | 1. Check supply fuse/circuit breaker.<br>2. Check incoming power supply to RCD   |
| RCD resets then immediately trips out (power available LED gives a quick flash). | Flashes RED then GREEN | Faulty appliance plugged into RCD or protected circuit.  | 1. Disconnect all appliances on protected circuit.<br>2. Reset RCD then test each appliance individually using the RCD until the faulty appliance is discovered.<br>3. Faulty appliance should be checked by qualified person.   |
| RCD resets then some time later trips out.                                       | RED then GREEN         | Faulty appliance with a slow leakage build up plugged into RCD or protected circuit, or cumulative leakage from several appliances combining to exceed rating of outlet. | 1. Determine time taken for RCD to cut out.<br>2. Disconnect all appliances on protected circuit.<br>3. Reset RCD then test each appliance individually using the RCD for the duration of cut out time until the faulty appliance is discovered.<br>4. Faulty appliance should be checked by qualified person. |
| RCD will not trip out when "test" button is pushed.                              | OFF                    | No power to RCD.   | 1. Check supply fuse/circuit breaker.<br>2. Check incoming power supply to RCD.  |
| RCD will not trip out when "test" button is pushed.                              | RED                    | RCD is faulty. Neutral to Earth fault upstream.  | 1. Have RCD checked by a qualified person and if faulty, return to manufacturer.<br>2. Have electrical contractor check wiring.  |



**Certification Numbers:**  
GMA-523490-EA

**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



Data Specification Sheet  
October 2025

Product Code Cross Reference

- BUEXSO310**
- BUEXSO315**
- BUEXSO320F**
- BUEXSO320**
- BUEXSO332**
- BUEXSO410**
- BUEXSO420**
- BUEXSO432**
- BUEXSO440**
- BUEXSO450**
- BUEXSO510**
- BUEXSO520**
- BUEXSO532**
- BUEXSO540**
- BUEXSO550**

PAGE 1 of 2

## IP66 Extension Sockets

- Small Single Phase 10A to 20A (250V~).
- Size 1 Single & Three Phase 10A to 20A (250V~ to 500V~).
- Size 2 Single & Three Phase 32A to 50A (250V~ to 500V~).
- 3 Flat Pin, 3 Round Pin, 4 Round Pin, 5 Round Pin.
- 10A, 15A, 20A, 32A, 40A & 50A current ratings.
- Straight body format providing a more traditional design.
- Ribbed Lock ring on Small Single Phase versions for gripping with gloved hands.
- Rear cord entry and cable gland ensuring IP66 rating.
- Internal cable clamp to support electrical connections.
- Size 1 Single and Three Phase suits Smaller to Medium single or three phase loads.
- Size 2 Single and Three Phase suits Medium to Large single or three phase loads.
- Size 1 and Size 2 products have hinged Spring Loaded cover flaps for added safety and to keep dust & water out.
- Small Extension Sockets 10A and 20A accept cables from  $\varnothing$  6-12mm
- Size 1 Extension Sockets 10A and 20A accept cables from  $\varnothing$  12-16mm
- Size 2 Extension Sockets 32A, 40A and 50A accept cables from  $\varnothing$  11-16mm



| Pin & Volt     | *Cat No. Extension Sockets | Current Rating (A) | Pin Config | Pin Config Code (Table 1) | Terminal Size     | Maximum Conductor Size (mm <sup>2</sup> ) | Minimum Cable Diameter (mm <sup>2</sup> ) | Maximum Cable Diameter (mm <sup>2</sup> ) | Gland Nut Thread (mm) | Matching Plug Straight / Angled | Matching Appliance Inlet |
|----------------|----------------------------|--------------------|------------|---------------------------|-------------------|---|---|---|-----------------------|---------------------------------|--------------------------|
| 3 Pin<br>250V~ | BUEXSO310                  | 10                 | 3 Flat     | A                         | 2.4 x 4.5         | 6   | 6   | 12  | M20 x 1.5             | BUP310                          | BUAI310                  |
|                | BUEXSO315                  | 15                 | 3 Flat     | B                         | 2.4 x 4.5         | 6   | 6   | 12  | M20 x 1.5             | BUP315                          | BUAI315                  |
|                | BUEXSO320F                 | 20                 | 3 Flat     | E                         | 2.4 x 4.5         | 6   | 6   | 12  | M20 x 1.5             | BUP320F                         |                          |
|                | BUEXSO320                  | 20                 | 3 Round    | G                         | $\varnothing$ 4.6 | 6   | 12  | 16  | M25 x 1.5             | BUP320/ BUPA320                 | BUAI320                  |
|                | BUEXSO332                  | 32                 | 3 Round    | H                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP332/ BUPA332                 | BUAI332                  |
| 4 Pin<br>500V~ | BUEXSO410                  | 10                 | 4 Round    | I                         | $\varnothing$ 4.6 | 6   | 12  | 16  | M25 x 1.5             | BUP410/ BUPA410                 | BUAI410                  |
|                | BUEXSO420                  | 20                 | 4 Round    | J                         | $\varnothing$ 4.6 | 6   | 12  | 16  | M25 x 1.5             | BUP420/ BUPA420                 | BUAI420                  |
|                | BUEXSO432                  | 32                 | 4 Round    | K                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP432/ BUPA432                 | BUAI432                  |
|                | BUEXSO440                  | 40                 | 4 Round    | L                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP440/ BUPA440                 | BUAI440                  |
|                | BUEXSO450                  | 50                 | 4 Round    | M                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP450/ BUPA450                 | BUAI450                  |
| 5 Pin<br>500V~ | BUEXSO510                  | 10                 | 5 Round    | N                         | $\varnothing$ 4.6 | 6   | 12  | 16  | M25 x 1.5             | BUP510/ BUPA510                 | BUAI510                  |
|                | BUEXSO520                  | 20                 | 5 Round    | O                         | $\varnothing$ 4.6 | 6   | 12  | 16  | M25 x 1.5             | BUP520/ BUPA520                 | BUAI520                  |
|                | BUEXSO532                  | 32                 | 5 Round    | P                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP532/ BUPA532                 | BUAI532                  |
|                | BUEXSO540                  | 40                 | 5 Round    | Q                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP540/ BUPA540                 | BUAI540                  |
|                | BUEXSO550                  | 50                 | 5 Round    | R                         | $\varnothing$ 6   | 16  | 11  | 16  | M37 x 1.5             | BUP550/ BUPA550                 | BUAI550                  |



All products accept Appliance Inlet (BUAI) or Plug (BUP/BUPA), locking rings which prevents accidental removal and assists with maintaining the highest IP Rating and a spring loaded flap that seals out dust and moisture when not in use.

Compatible with common pendant outlet kits.

**Certification Number:**

BUEXSO332, BUEXSO432, BUEXSO440, BUEXSO450,  
BUEXSO532, BUEXSO540, BUEXSO550: SAA211330  
BUEXSO310, BUEXSO315, BUEXSO320F: SAA-211255-EA

**GSM Electrical (Australia) Pty Ltd**

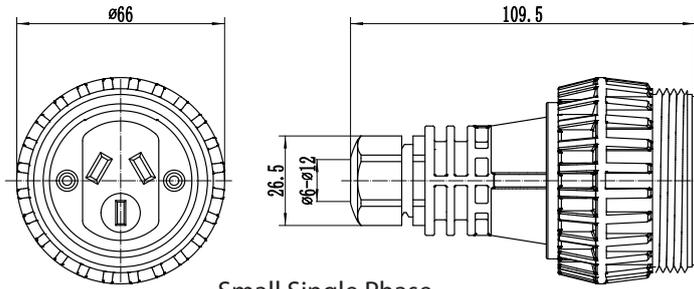
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)



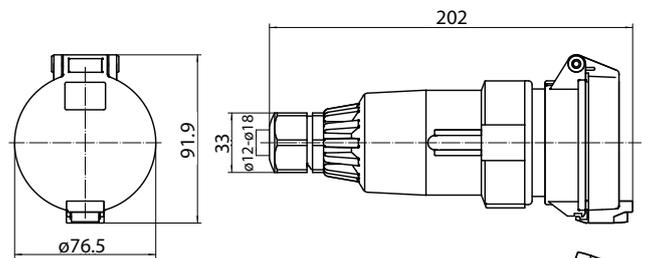
Product Code Cross Reference

- BUEXO310
- BUEXO315
- BUEXO320F
- BUEXO320
- BUEXO332
- BUEXO410
- BUEXO420
- BUEXO432
- BUEXO440
- BUEXO450
- BUEXO510
- BUEXO520
- BUEXO532
- BUEXO540
- BUEXO550

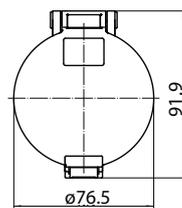
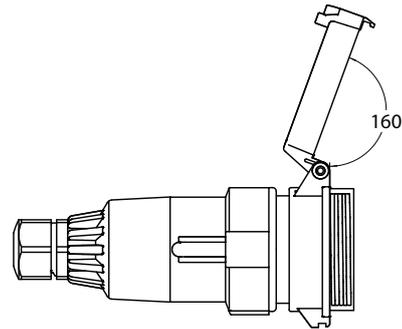
PAGE 2 of 2



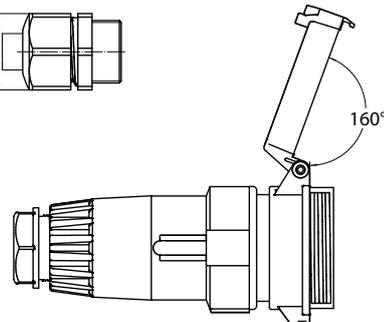
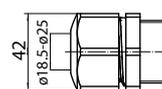
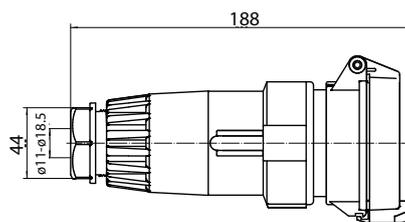
Small Single Phase



Size 1 Single &  
Three Phase



Size 2 Single &  
Three Phase



Product Code Cross Reference

- BUP310**
- BUP310L**
- BUP310RP**
- BUP315**
- BUP320F**
- BUP320**
- BUP332**
- BUP410**
- BUP420**
- BUP432**
- BUP440**
- BUP450**
- BUP510**
- BUP520**
- BUP532**
- BUP540**
- BUP550**

- BUPA320**
- BUPA332**
- BUPA410**
- BUPA420**
- BUPA432**
- BUPA440**
- BUPA450**
- BUPA510**
- BUPA520**
- BUPA532**
- BUPA540**
- BUPA550**

PAGE 1 of 2



## IP66 Straight & Angled Plugs

- Small Single Phase 10A to 20A (250V~)
- Size 1 Single & Three Phase 10A to 20A (250V~ to 500V~)
- Size 2 Single & Three Phase 32A to 50A (250V~ to 500V~)
- 3 Flat Pin, 3 Round Pin, 4 Round Pin, 5 Round Pin.
- 10A, 15A, 20A, 32A, 40A & 50A current ratings.
- Straight body format providing a more traditional design.
- Angled format when space is limited, or to reduce plug & cable protrusion as cable is angled downwards.
- Ribbed Lock ring for secure fitment & gripping with gloved hands.
- Rear cord entry and cable gland ensuring IP66 rating.
- Insulated pins in accordance to AS/NZS3112 (BUP310, BUP310L, BUP315, BUP320F).
- Internal cable clamp to support electrical connections.
- Size 1 Single and Three Phase suits Smaller to Medium Loads.
- Size 2 Single and Three Phase suits Medium to Large loads.
- Small Extension Sockets 10A and 20A accept cables from  $\varnothing$  6 - 12mm
- Size 1 Extension Sockets 10A and 20A accept cables from  $\varnothing$  12 - 16mm
- Size 2 Extension Sockets 32A, 40A and 50A accept cables from  $\varnothing$  11 - 16mm



| Pin & Volt     | Cat No. Straight Plug | Cat No. Angle Plug | Current Rating (A) | Pin Config        | Pin Config Code (Table 1) | Terminal Size (mm dia) | Maximum Conductor Size (mm <sup>2</sup> ) | Minimum Cable Diameter (mm <sup>2</sup> ) | Maximum Cable Diameter (mm <sup>2</sup> ) | Gland Nut Thread (mm) | Matching Socket/Combination |
|----------------|-----------------------|--------------------|--------------------|-------------------|---------------------------|------------------------|---|---|---|-----------------------|-----------------------------|
| 3 Pin<br>250V~ | BUP310                | N/A                | 10                 | 3 Flat            | A                         | 3.0                    | 1.5HD                                     | 6   | 12  | M20 x 1.5             | BUSO310/BUC310              |
|                | BUP310L               | N/A                | 10                 | 2 Flat<br>1 Round | C                         | 3.0                    | 1.5HD                                     | 6   | 12  | M20 x 1.5             | BUSO310L/BUC310L            |
|                | BUP310RP              | N/A                | 10                 | 3 Round           | F                         | 3.0                    | 1.5HD                                     | 6   | 12  | M20 x 1.5             | BUSO310RP                   |
|                | BUP315                | N/A                | 15                 | 3 Flat            | B                         | 3.0                    | 1.5HD                                     | 6   | 12  | M20 x 1.5             | BUSO315/BUC315              |
|                | BUP320F               | N/A                | 20                 | 3 Flat            | E                         | 3.0                    | 1.5HD                                     | 6   | 12  | M20 x 1.5             | BUSO320F/BUC320F            |
|                | BUP320                | BUPA320            | 20                 | 3 Round           | G                         | 4.1                    | 10  | 12  | 16  | M25 x 1.5             | BUSO320/BUC320              |
| 4 Pin<br>500V~ | BUP332                | BUPA332            | 32                 | 3 Round           | H                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO332/BUC332              |
|                | BUP410                | BUPA410            | 10                 | 4 Round           | I                         | 4.1                    | 10  | 12  | 16  | M25 x 1.5             | BUSO410/BUC410              |
|                | BUP420                | BUPA420            | 20                 | 4 Round           | J                         | 4.1                    | 10  | 12  | 16  | M25 x 1.5             | BUSO420/BUC420              |
|                | BUP432                | BUPA432            | 32                 | 4 Round           | K                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO432/BUC432              |
|                | BUP440                | BUPA440            | 40                 | 4 Round           | L                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO440/BUC440              |
| 5 Pin<br>500V~ | BUP450                | BUPA450            | 50                 | 4 Round           | M                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO450/BUC450              |
|                | BUP510                | BUPA510            | 10                 | 5 Round           | N                         | 4.1                    | 10  | 12  | 16  | M25 x 1.5             | BUSO510/BUC510              |
|                | BUP520                | BUPA520            | 20                 | 5 Round           | O                         | 4.1                    | 10  | 12  | 16  | M25 x 1.5             | BUSO520/BUC520              |
|                | BUP532                | BUPA532            | 32                 | 5 Round           | P                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO532/ BUC532             |
|                | BUP540                | BUPA540            | 40                 | 5 Round           | Q                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO540/ BUC540             |
|                | BUP550                | BUPA550            | 50                 | 5 Round           | R                         | 4.1                    | 10  | 11  | 16  | M37 x 1.5             | BUSO550/ BUC550             |

All products accept BUEXO Extension Sockets, BUSO Socket Outlets and BUC Combination Switched Sockets.

**Certification Number:**

BUESXO332, BUESXO432, BUESXO440, BUESXO450, BUESXO532, BUESXO540, BUESXO550 SAA211331 BUP310, BUP315, BUP320F: SAA-211156-EA

**GSM Electrical (Australia) Pty Ltd**

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
 P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)

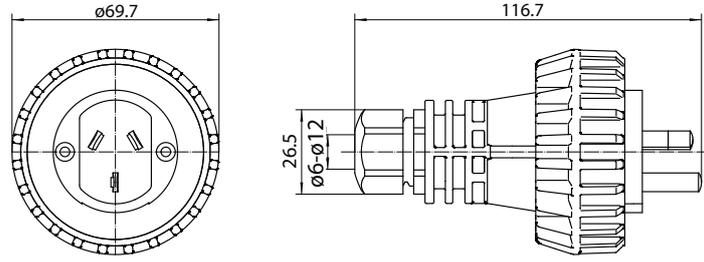


Product Code Cross Reference

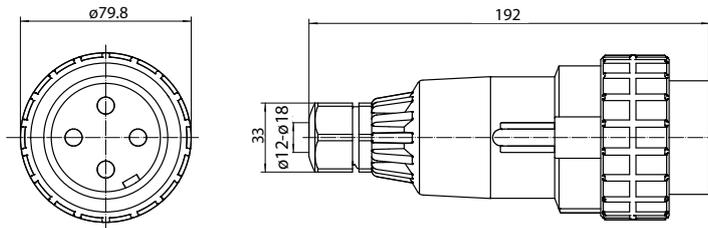
- BUP310**
- BUP310L**
- BUP310RP**
- BUP315**
- BUP320F**
- BUP320**
- BUP332**
- BUP410**
- BUP420**
- BUP432**
- BUP440**
- BUP450**
- BUP510**
- BUP520**
- BUP532**
- BUP540**
- BUP550**

- BUPA320**
- BUPA332**
- BUPA410**
- BUPA420**
- BUPA432**
- BUPA440**
- BUPA450**
- BUPA510**
- BUPA520**
- BUPA532**
- BUPA540**
- BUPA550**

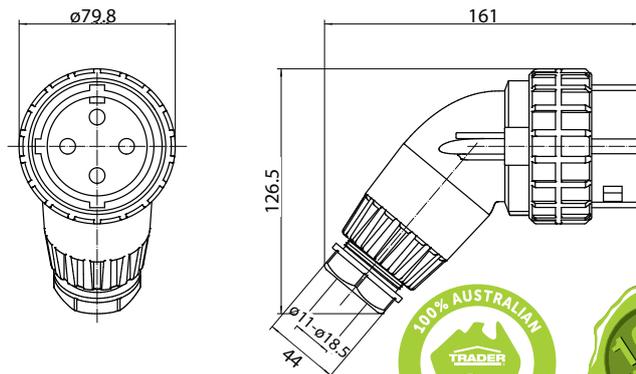
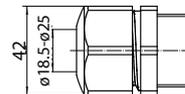
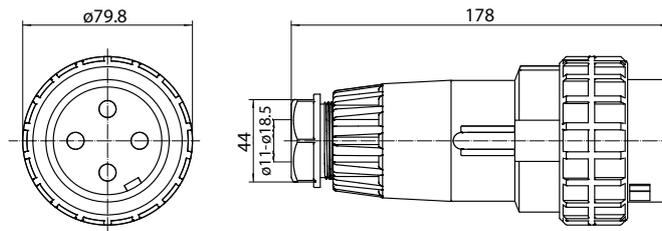
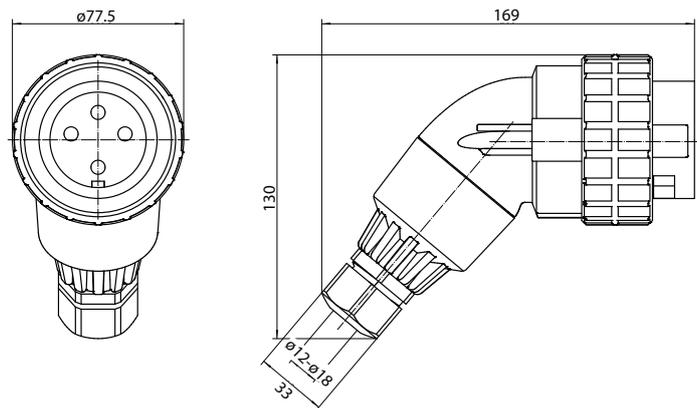
PAGE 2 of 2



Small Single Phase



Size 1 Single &  
Three Phase



Size 2 Single &  
Three Phase

**GSM Electrical (Australia) Pty Ltd**

Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



**BUBB1GS**  
**BUBB1G**  
**BUBB1GD**  
**BUBB2GS**  
**BUBB2G**  
**BUBB2GD**  
**BUBB3G**  
**BUBB4G**  
**BUBB4GV**  
**BUBB6G**  
**BUBRIDGE**  
**BUBRIDGED**

PAGE 1 of 3



**BUBRIDGE**



**BUBRIDGED**



## Enclosures

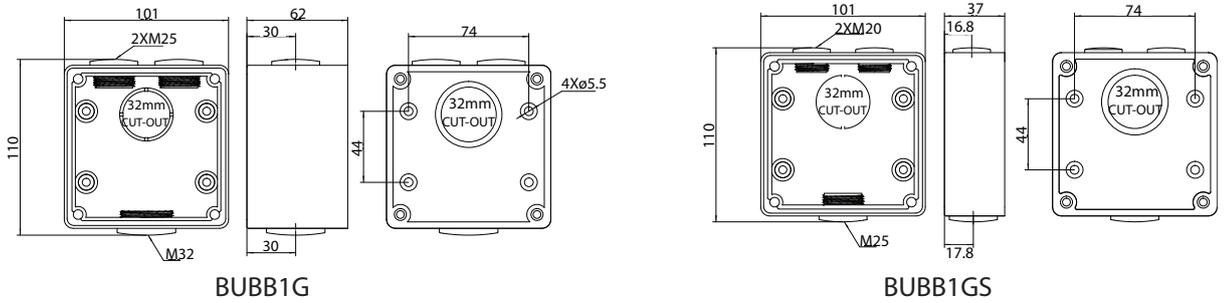
- Manufactured in industrial grade resins
- PVC Back Boxes and Conduit Plugs.
- Polycarbonate Lids for High Impact Strength.
- UV Resistance.
- Good level of Chemical Resistance.
- Back Boxes and Junction Boxes supplied with Reducers and Screw Caps.
- Compatible with Buffalo previous & current ranges including:
- BUL Lids, BUC Combinations, BUSO Sockets, BUSW Switches & BUAI Appliance Inlets.
- Grey colour.
- Back Boxes 1, 2, 3, 4 & 6 Gang  
Shallow, Standard & Deep Boxes in 1 & 2 Gang
- Bridges provided on 2, 3, 4 & 6 Gangs, used for cable management and to aid IP rating.
- Ample Conduit Entries & Cut-Outs.
- Installer tip, cover all mounting screws with supplied mounting screw caps & sealant (not supplied), likewise all conduit entries should be tightened & sealed with sealant.



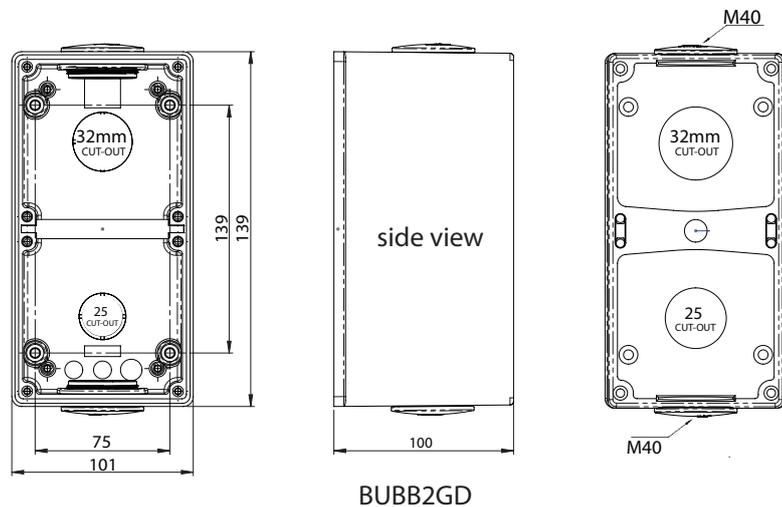
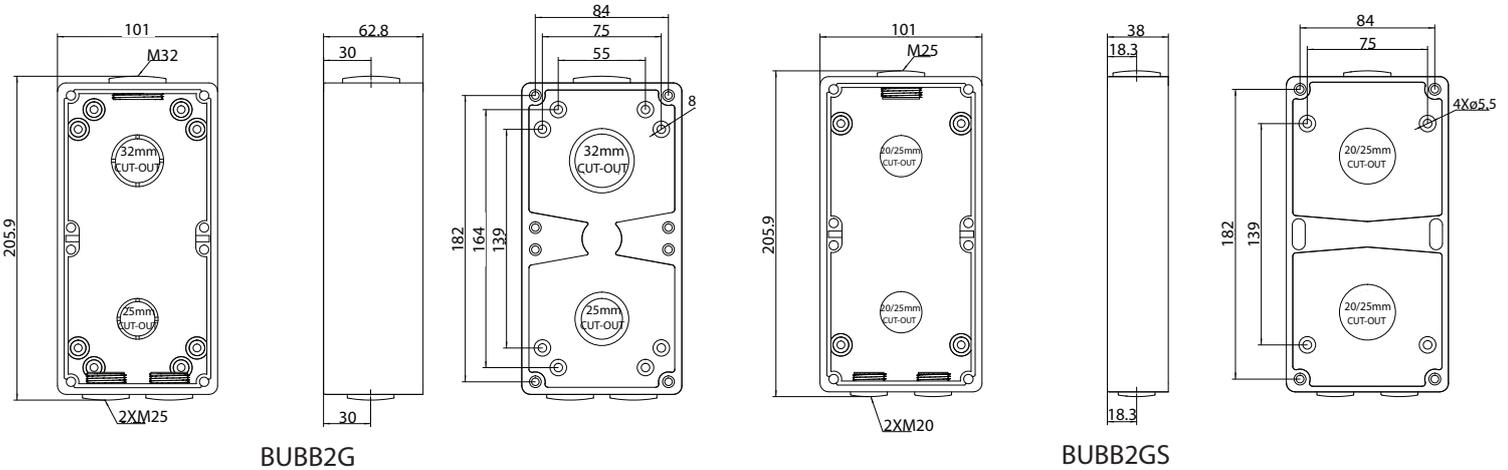
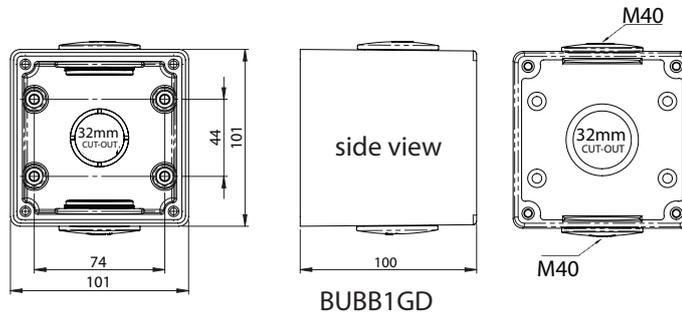
| Cat No.  | Description                        | Height (mm) | Width (mm) | Length (mm) | Conduit Entries      | Rear Cut-Outs dia.               |
|----------|------------------------------------|-------------|------------|-------------|----------------------|----------------------------------|
| BUBB1GS  | Enclosure Back Box Shallow 1 Gang  | 37          | 101        | 101         | 2 x 20mm<br>1 x 25mm | 1 x 20mm<br>1 x 25mm             |
| BUBB1G   | Enclosure Back Box 1 Gang          | 62          | 101        | 101         | 2 x 25mm<br>1 x 32mm | 1 x 32mm                         |
| BUBB2GS  | Enclosure Back Box Shallow 2 Gang  | 38          | 101        | 198         | 2 x 20mm<br>1 x 25mm | 2 x 20mm<br>2 x 25mm             |
| BUBB2G   | Enclosure Back Box 2 Gang          | 63          | 101        | 198         | 2 x 25mm<br>1 x 32mm | 1 x 25mm<br>1 x 32mm             |
| BUBB3G   | Enclosure Back Box 3 Gang          | 63          | 101        | 298         | 2 x 25mm<br>1 x 32mm | 2 x 25mm<br>1 x 32mm             |
| BUBB4G   | Enclosure Back Box 4 Gang          | 63          | 198        | 198         | 2 x 25mm<br>2 x 32mm | 2 x 25mm<br>1 x 32mm<br>1 x 40mm |
| BUBB4GV  | Enclosure Back Box 4 Gang Vertical | 63          | 101        | 395         | 2 x 25mm<br>1 x 32mm | 2 x 25mm<br>1 x 32mm<br>1 x 40mm |
| BUBB6G   | Enclosure Back Box 6 Gang          | 63          | 198        | 298         | 2 x 25mm<br>2 x 32mm | 2 x 25mm<br>2 x 32mm<br>2 x 40mm |
| BUBRIDGE | Bridge for BUBB Back Box Range     |             |            |             |                      |                                  |

**BUBB1GS**  
**BUBB1G**  
**BUBB1GD**  
**BUBB2GS**  
**BUBB2G**  
**BUBB2GD**

## Enclosure Dimensions



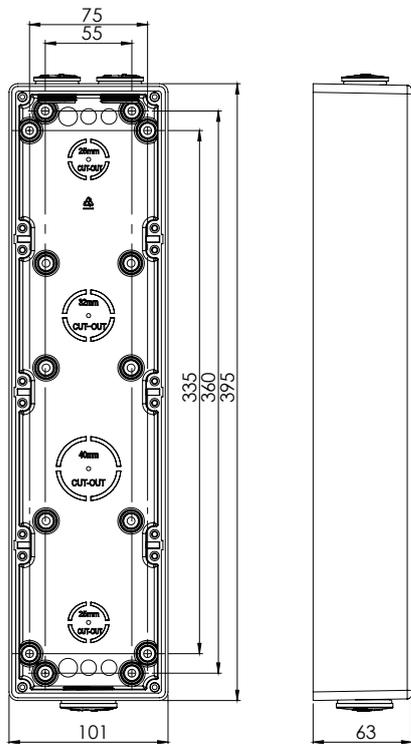
PAGE 2 of 3



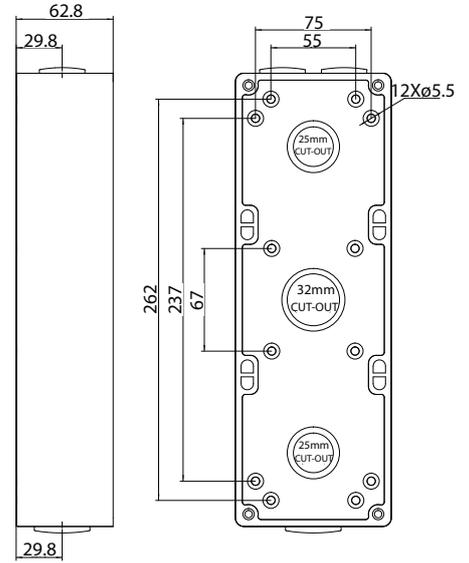
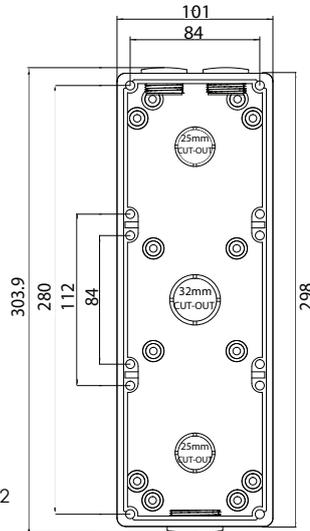
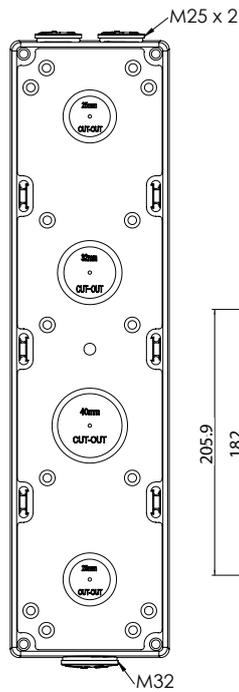
BUBB3G  
BUBB4G  
BUBB6G

# Enclosure Dimensions

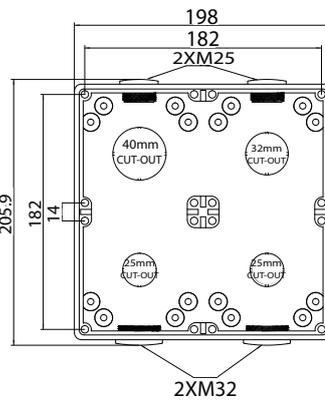
PAGE 3 of 3



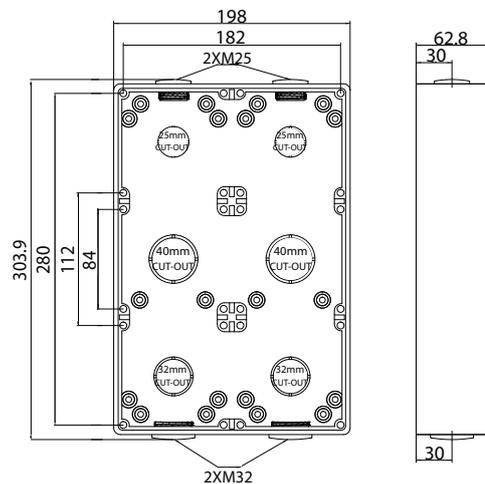
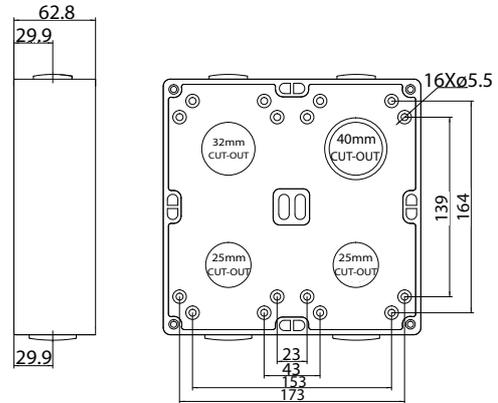
BUBB4GV



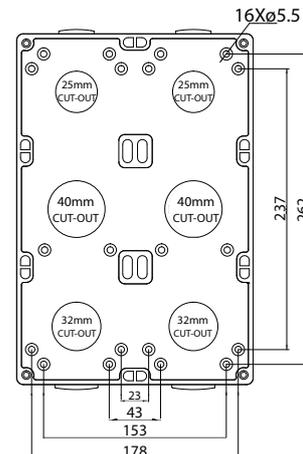
BUBB3G



BUBB4G



BUBB6G



## BUMF

\*See current catalogue for further detail



## Buffalo Stainless Steel Mounting Feet

The BUMF part number refers to the external mounting feet for the Buffalo BUBB Series enclosures. In the pack will be a mounting foot, screw for threading to the rear of the box corners and a self tapping screw for fastening to timber or wall plugs. The installer may supply their screws for fastening to the surfaces, but the provided screw should be use to mount the foot to the corner cored holes of the back box.

Advantages of BUMF mounting feet:

**Improved cleaning:** Makes it easier to clean around the enclosure.

**Standoff:** Creates a space between the enclosure and the mounting surface.

**Water ingress prevention:** Helps prevent water from entering the enclosure.

**Compatible with Buffalo Series:** Specifically designed for use with Clipsal BUBB Series enclosures.

These feet are designed to prevent water ingress by creating a standoff from the wall, which also facilitates easier cleaning.

Installation Instructions for BUMF Mounting Feet:

1. Preparation: Ensure the mounting surface is clean and dry.
2. Attach to Enclosure: The BUMF feet are designed to be attached to the enclosure, providing a space between the enclosure and the mounting surface.
3. Mount the Enclosure: Secure the enclosure with the attached BUMF feet to the desired location.
4. Consider Torque: The tightening torque for the mounting feet is slightly higher than standard Buffalo Series products and should be around 0.8Nm, slightly tighter than normal hand tightening.
5. Tighten all threaded entry plugs and glands with O-rings to ensure sealed
6. Install Caps: Install all provided caps, preferably cemented in place with sealer or PVC glue if any holes have been made in the rear of the box. (If mounting feet are in use then this is less likely)
7. Ensure Cover Screw Caps are Installed: Make sure all cover screw caps are installed.



| Catalogue Number | Description  |
|------------------|--|
| BUMF             | Mounting Feet Kit for Buffalo Enclosures 304 Stainless Steel |

\*The Clipsal Brand and the associated product codes are Trademarks of Schneider Electric (Australia) Pty Ltd.

**GSM Electrical (Australia) Pty Ltd**

Level 2, 142-144 Fullarton Road, Rose Park SA 5067

P: 1300 301 838 F: 1300 301 778 E: service@g sme.com.au

[www.g sme.com.au](http://www.g sme.com.au)



Data Specification Sheet  
November 2024

**BUL1  
BUL2  
BUCAP9**

## Enclosure Lids

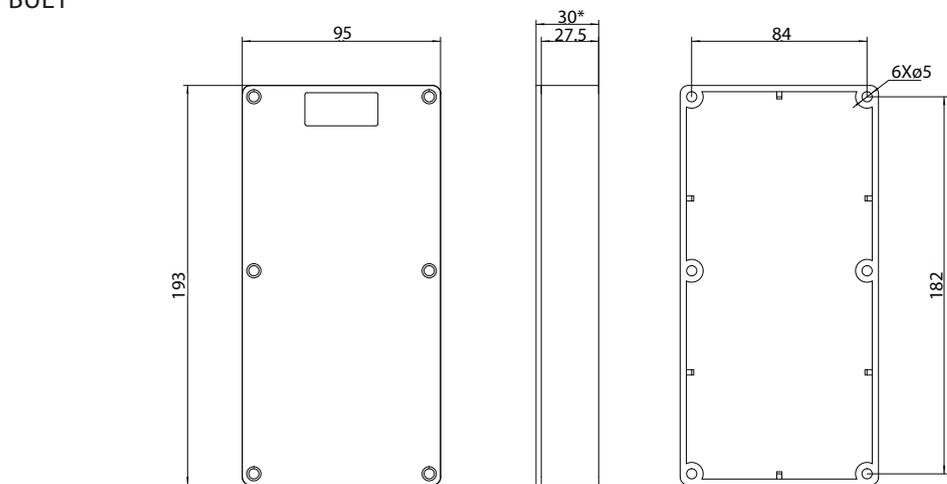
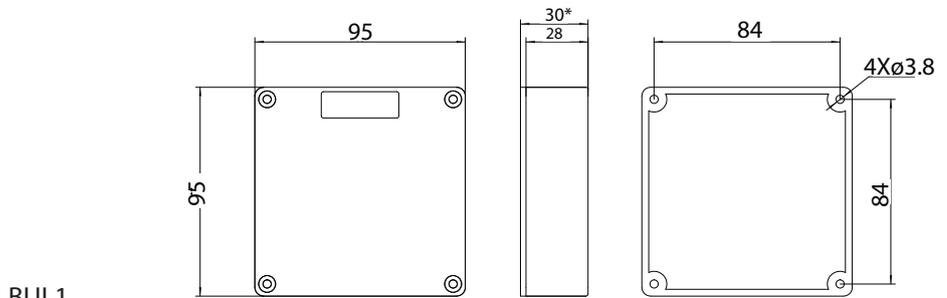
- Manufactured in industrial grade resins providing:
- Polycarbonate Lids for High Impact Strength.
- UV Resistance.
- Good level of Chemical Resistance.
- Compatible with Buffalo previous & current ranges.
- Grey colour.
- Includes sealing gaskets, cover fixing screws and cover screw caps (BUCAP9)
- Installer Tip: Fix cover screws to maximum torque levels of 0.53Nm.



BUCAP9



| Cat No. | Description               | Height (mm) | Width (mm) | Length (mm) |
|---------|---------------------------|-------------|------------|-------------|
| BUL1    | Lid for 1 Gang Enclosures | 28          | 95         | 95          |
| BUL2    | Lid for 2 Gang Enclosures | 28          | 95         | 193         |
| BUCAP9  | Cover Screw Caps Grey     |             |            |             |



\*includes gasket



**BUJB1**  
**BUJB2**

**PAGE 1 of 2**

## IP66 Junction Boxes

- Manufactured in industrial grade resins providing:
- Polycarbonate Lids for High Impact Strength.
- UV Resistance.
- Good level of Chemical Resistance.
- Back Boxes & Junction Boxes supplied with Reducers and Screw Caps.
- Compatible with Buffalo previous & current ranges.
- Grey colour.
- Includes 5 connectors (3 Phase, Neutral & Earth).
- Includes cover sealing gasket + fixing screws.
- Includes cover screw caps (BUCAP9).
- Connectors accept 3 x 6mm<sup>2</sup> or 4 x 2.5mm<sup>2</sup> cables.
- Installer Tip: Fix cover screws to maximum torque levels of 0.53Nm.

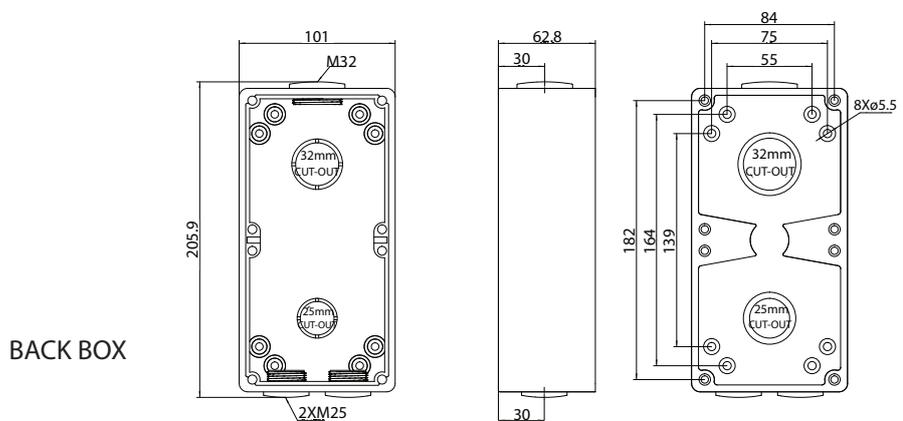
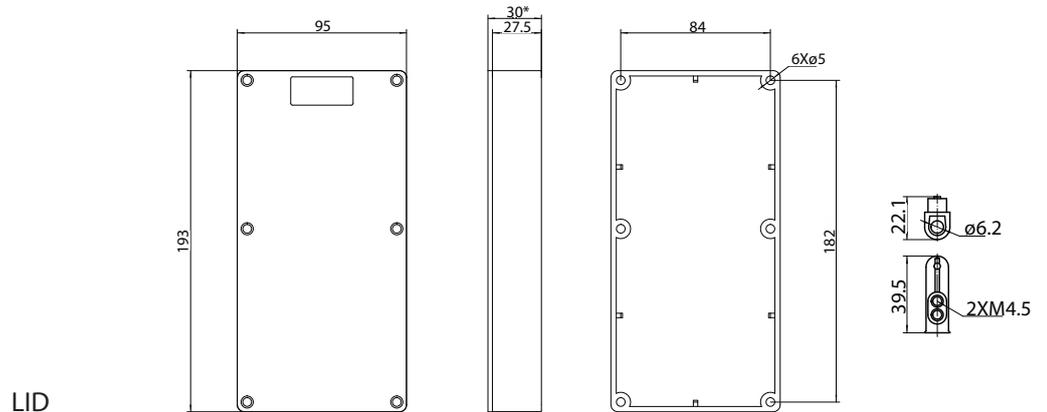
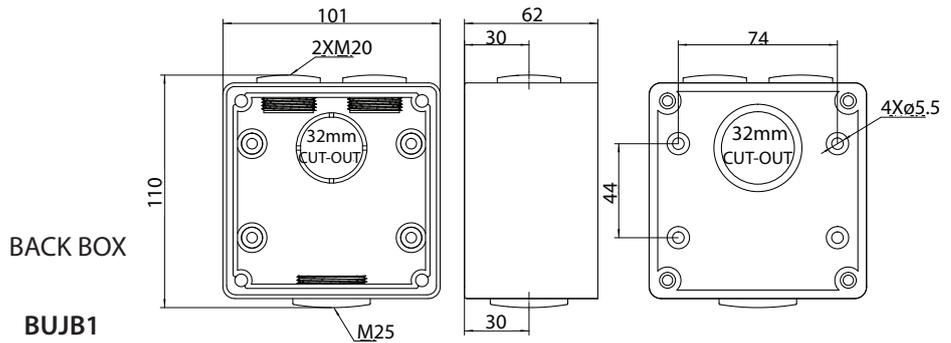
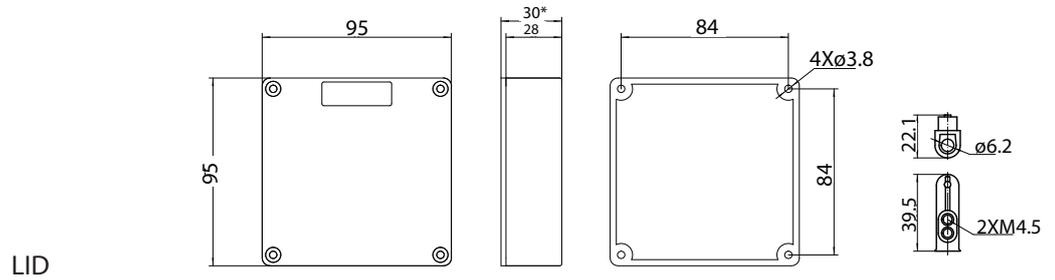


| Cat No. | Description  | Height (mm) | Width (mm) | Length (mm) | Conduit Entries      | Rear Cut-Outs dia.   |
|---------|--|-------------|------------|-------------|----------------------|----------------------|
| BUJB1   | Junction Box IP66 1 Gang, supplied with connectors | 91          | 101        | 101         | 2 x 20mm<br>1 x 25mm | 1 x 32mm             |
| BUJB2   | Junction Box IP66 2 Gang, supplied with connectors | 91          | 101        | 198         | 2 x 25mm<br>1 x 32mm | 1 x 25mm<br>1 x 32mm |



**BUJB1  
BUJB2**

PAGE 2 of 2



\*includes gasket



**BU4DIN  
BU4DINLED**

**BU4DINLE  
BU4DINLEDLE**

**BU4DINKIT**

## IP66 DIN 4 Pole Enclosures

Buffalo DIN Rail Accessory Mounting Enclosures provide a facility to mount up to 4 poles of equipment such as MCB's and RCDs - external to a switchboard in an environment needing a high level of protection.

As with all Buffalo products, they are manufactured from robust, UV and good chemical resistant material to provide long reliable life in the dust and wet.

The BU4DINLED features a 250V~ LED inbuilt into the cover, which has long cables with crimped ends to allow it to be wired for power available into the module - or outgoing power available - depending on the application.

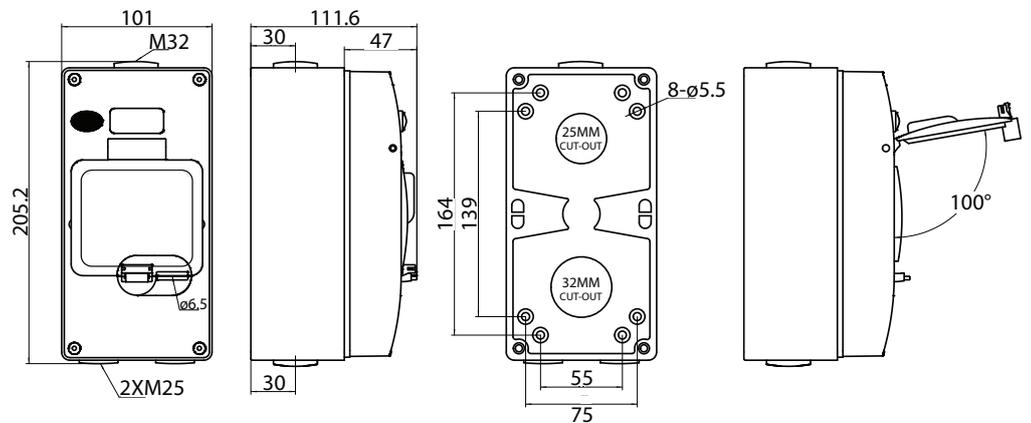
Cable length is suitable for wiring below the DIN rail and can reach easily into the lower section of switch gear installed into the enclosure.

BU4DIN, BU4DINLED, BU4DINLE and BU4DINLED comes with BU4DINKIT in the box.



**BU4DINKIT**

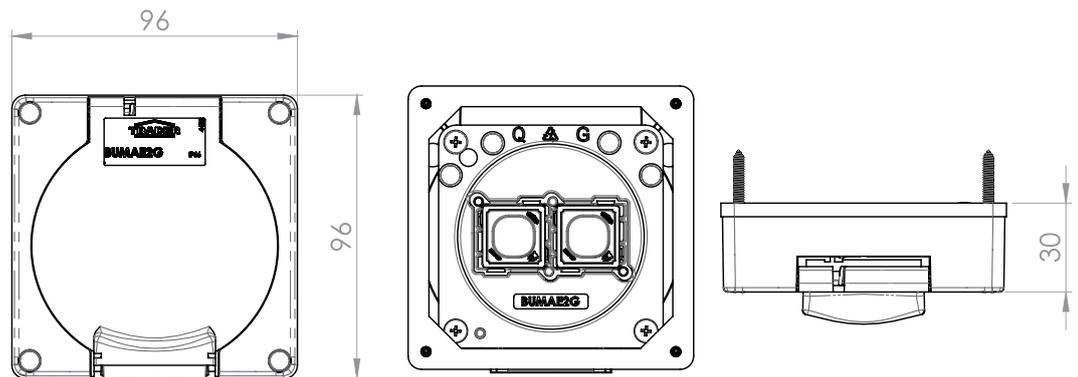
| Cat No.     | Description  | Poles | Enclosure Included | Conduit Entries      |
|-------------|--|-------|--------------------|----------------------|
| BU4DIN      | Enclosure DIN 4 Pole IP66 Grey                         | 4     | BUBB2G             | 2 x 25mm<br>1 x 32mm |
| BU4DINLED   | Enclosure DIN 4 Pole IP66 Grey with LED Indicator      | 4     | BUBB2G             | 2 x 25mm<br>1 x 32mm |
| BU4DINLE    | Enclosure DIN 4 Pole IP66 Grey Less Enclosure          | 4     | N/A                | N/A                  |
| BU4DINLEDLE | Enclosure DIN 4 Pole IP66 Grey with LED Less Enclosure | 4     | N/A                | N/A                  |
| BU4DINKIT   | DIN Rail Assembly Kit 4 Pole Grey                      | 4     | N/A                | N/A                  |



**BUMAE2GLE**

## 2 Gang Aperture Enclosure, 1 Gang Cover

- IP66 2 Aperture adaptor plate to suit clip in mechanisms from the TRADER Meerkat range or other mechanisms or data points using the standard clipping system.
- The BUMAE2G Series adaptable enclosure provides an IP66 rating for the Meerkat series mechanism ranges including switches, neon's, data, USB etc. The Less Enclosure (LE) version can easily be adapted with other Buffalo series multi-gang enclosures where the need for more than two mechanisms are required.
- The second aperture can be plugged using the blanking plug available in the parts pack if only one aperture is in use, or an off the shelf plug can be fitted to black the unused aperture.
- Plain blank plug comes with unit.
- IP66 is only maintained when the clear flap is closed.



| Cat No.   | Description  |
|-----------|--|
| BUMAE2GLE | Enclosure Mech Aperture 2 Gang IP66 Less Enclosure |

**Warning:** the aperture sizes suit MESW series. It is suggested not to install the MESWC variant where the dolly profile suits Leopard, Snow Leopard and Clouded Leopard.

**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



Data Specification Sheet  
September 2023

## BUSOFA

\*See current catalogue for further detail



### Cleaning Guide:

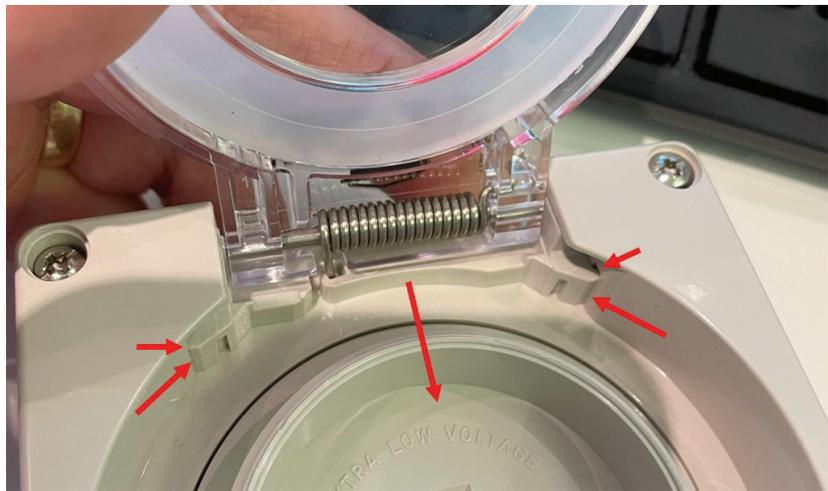
Spraying cleaning products on to electrical products is not recommended. It is important to ensure that switches are turned off before cleaning.

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.

## Buffalo socket series flap assembly

- Available as a replacement assembly for installations where rough handling has caused damage to the socket flap and compromising the IP rating.
- Existing flap can be removed through careful unclipping using a small flat blade screwdriver where the clips are shown with the 2 red arrows levering inwards, then as the clips are disengaged, slide the assembly cassette down towards the socket center in the direction of the longer red arrow. Careful not to get fingers in the way as the spring snaps shut.
- The new assembly slotted into place in the location of the sample that was removed and clipped into position.



| Catalogue Number | Description                 |
|------------------|-----------------------------|
| BUSOFA           | Socket series flap assembly |



## BUAICAP

\*See current catalogue for further detail



### 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.

## Buffalo Appliance Inlet Cap

- Available as a replacement cap for installations where rough handling has caused damage to the appliance inlet caps and compromising the IP rating.

| Catalogue Number | Description                           |
|------------------|---------------------------------------|
| BUAICAP          | Appliance Inlet Cap for Buffalo Range |



**BUSPOK**

# Pendant Kit Stainless Steel for Switched Outlets



**Installation INSTRUCTIONS**

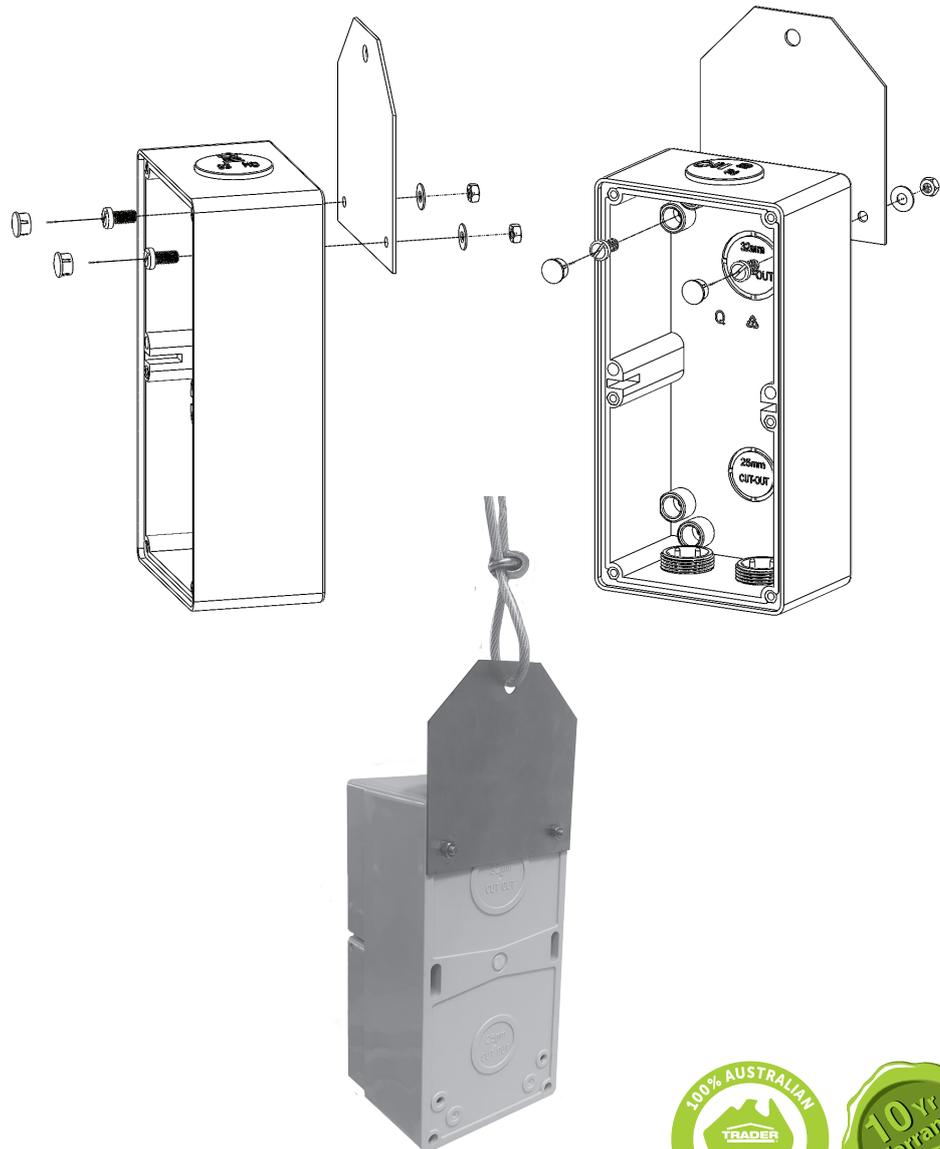
Drill out the rear of the box using 5mm drill in the two mounting points shown in the images to align with the stamped BUSPOK bracket.

Align BUSPOK bracket to the box and insert the 5mm pan head screws and add washer and nut to the other end and fasten until tight.

Seal over screw or apply the screw cap - seal with silicone where appropriate.

Once complete the assembly can have other Buffalo components added and cable and jack chain connected.

An alternative assembly arrangement can have a back box suspended on either side of the BUSPOK bracket.



**BUPOA22**  
**BUPOA50**

\*See current catalogue for further detail

**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.



## Pendant Outlet Adaption Kits

- Pendant Outlets Adaption Kits allow the TRADER Buffalo Cord extension sockets to convert to pendant outlets and provide strain relief for hanging variations.
- The BUPOA22 model fits the rear lock nut for the BUEXSO310 through to BUEXSO320 or applications fitting to the rear threaded cable entry nut for the BUEXSO410, BUEXSO510, BUEXSO420 and BUEXSO520
- The BUPOA50 fits the main body lock nut for the BUEXSO410 through to BUEXSO550 models
- Pendant outlet kits can also suit the Buffalo plug and angled plug bodies where needed.
- Made from tough robust stainless steel they provide an excellent solution for many environmental conditions.



| Catalogue Number | Description  |
|------------------|--|
| BUPOA22          | Pendant Outlet Adaption Kit Metal Diameter 22.4 mm Small |
| BUPOA50          | Pendant Outlet Adaption Kit Metal Diameter 50.5 mm Large |

## BUSB13

PAGE 1 of 2

## Switchboard 13 Module IP66

- 13 module Enclosure with removable DIN rail assembly.
- Horizontal mount.
- Rated to 100A.
- Earth and neutral link bars provided.
- Includes 6 Module PVC back box with additional top & bottom conduit entries.
- DIN & Link Bar Cradle Assembly can be removed to aid installation of DIN equipment & cabling.
- Back Box has 8 x Ø 25mm & 5 x Ø 32mm conduit entries and 2 x 40mm, 2 x 32mm & 2 x 25mm Ø rear cut-outs.
- Polycarbonate Cover for High Impact Strength.
- UV Resistant material.
- Good level of Chemical Resistance.
- Pole fillers provided to fill unused DIN space.
- Ambient Temperature capability from -25C to +75C.
- Grey colour.
- Installer tip: cover all mounting or cover screws with supplied screw caps & sealant, likewise all conduit entries should be tightened & sealed with sealant.
- Fix cover screws to maximum torque levels of 0.53Nm
- IK07 impact resistant
- Compliant to AS/NZS 61439.3



| Description                | Cat No. | Poles | Rating | Dimensions L x W x D (mm) | Conduit Entries          |
|----------------------------|---------|-------|--------|---------------------------|--------------------------|
| Switchboard 13 Module IP66 | BUSB13  | 13    | 100A   | 303 x 206 x 130.5         | 8 x Ø 25mm<br>5 x Ø 32mm |



BUSB13 Internal view (less cover)



**Certification Numbers:**  
GMA-517229

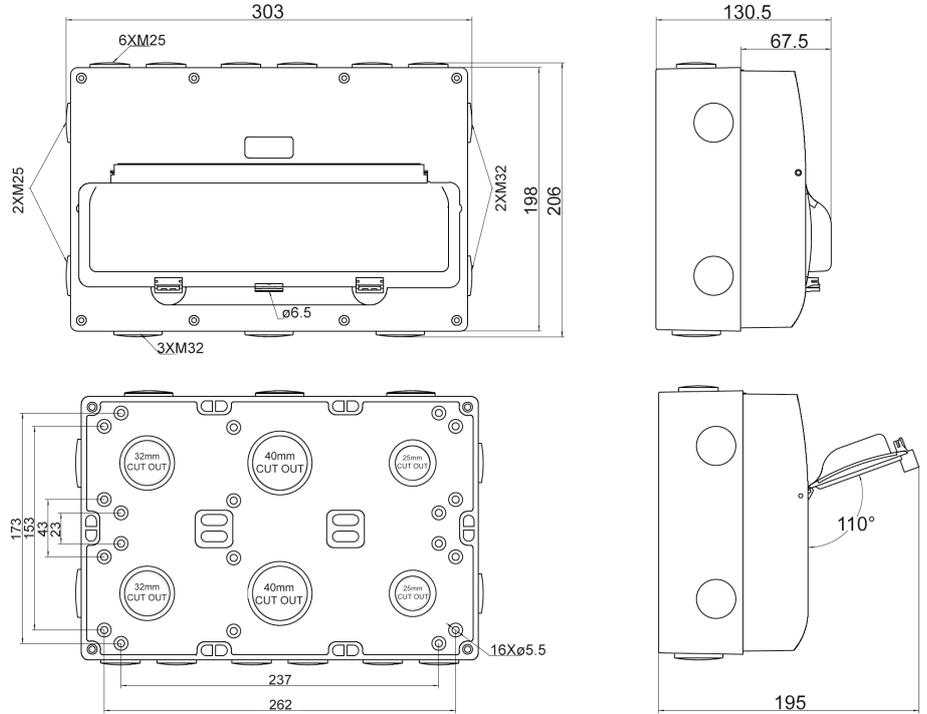
**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)



Data Specification Sheet  
September 2024

**BUSB13**

PAGE 2 of 2

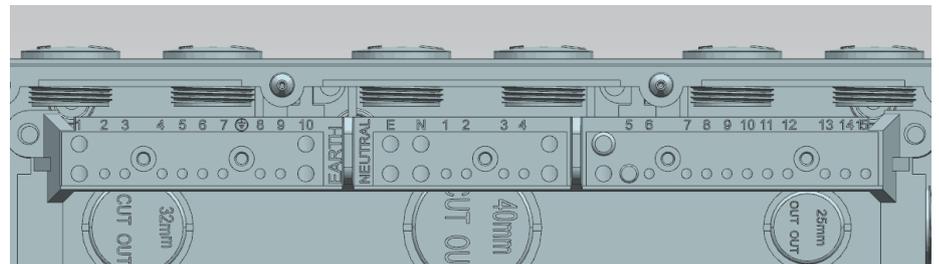


**LINK BAR TERMINAL HOLE DIMENSIONS**

EARTH – 2 x Ø8mm, 8 x Ø5mm

NEUTRAL SHORT - 3 x Ø8mm, 4 x Ø5mm

NEUTRAL LONG - 2 x Ø8mm, 11 x Ø5mm



**Certification Numbers:**  
GMA-517229

**GSM Electrical (Australia) Pty Ltd**  
Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
P: 1300 301 838 F: 1300 301 778 E: service@gsme.com.au  
[www.gsme.com.au](http://www.gsme.com.au)

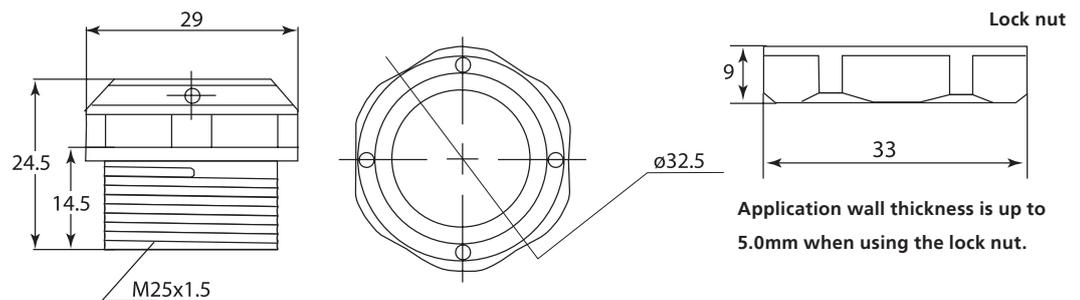


## BUBR



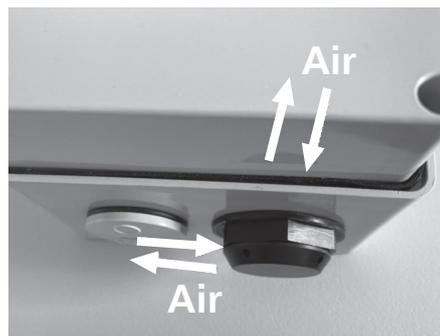
## Buffalo Breather

- This product provides continuous pressure equalisation between the inside of the enclosure and the atmosphere around the enclosure. This ventilation prevents moisture from entering the enclosure via the seals and condensing inside the enclosure. The breathers are made from moulded polyamide with a silicone seal and meet the requirements of degrees of protection up to IP68.
- If cyclic temperature conditions where warm air that can contain moisture, is prevented from escaping it can cause internal condensation that forms when cooling, and can build up to cause failures, as the air cools, water droplets settling on live parts and causing electrical faults.
- The breather allows the pressure to equalise internally and externally, and warm air can pass to the outside as the system cools helping to prevent this issue.
- If the wall of the enclosure is thick and pre-threaded for 25mm, then the lock nut is not necessary providing the breather can be tightened against the seal and lock in place.
- The BUBR can also be mounted on the side of an enclosure if necessary to assist with air flow.
- This kit contains the BUBR breather, lock-nut and flat seal.



| Feature:             | Specification                      |
|----------------------|------------------------------------|
| Connection Thread    | M25 x 1.5                          |
| Spanner size         | 29mm (breather) and 33mm (locknut) |
| Material             | Polyamide                          |
| Degree of protection | IP68 (when facing downwards)       |
| Colour               | black                              |
| Temperature range    | -40°C to +125°C                    |
| Recommended torque   | 0.8Nm                              |
| Typical airflow      | 7L/min (dp=70mbar)                 |

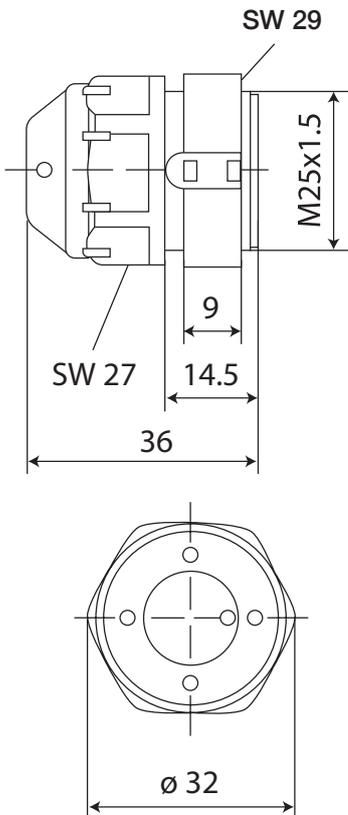
| Reference Product compliance:             | Specification   |
|---|---|
| IEC529, 2nd (protection class):           | IP66, IP67, IP68 (Immersion 2 metres/60minutes) IP69K |
| IEC60069-2-1,2,14 (Heat Resistance):      | -40oC~+125 oC   |
| IEC600-2-78 (Humidity Testing):           | 85o85% humidity~1000 hours                            |
| IEC62108.10.8.9 (Solar industry testing): | Humidity freeze - High temperature, Hail impact test. |
| UL94V-0f1 (Flame resistant)               |   |



**GSM Electrical (Australia) Pty Ltd**  
 Level 2, 142-144 Fullarton Road, Rose Park SA 5067  
 P: 1300 301 838 F: 1300 301 778 E: service@gsm.com.au  
[www.gsm.com.au](http://www.gsm.com.au)



## BUBRD



## Buffalo Breather / Drain

- The Trader BUBRD breather/drain combines the advantages of the breather function for stabilizing internal and external air pressure as well as a drain to allow any residual moisture that does build up to be able to escape from the enclosed air sealed system.
- Cyclic temperature conditions where heated air is prevented from escaping and condensation forms on cooling, can be improved using a breather in the system to equalize internal and external pressure. Allowing pressure to be equal reduces this moisture build up helps to prevent failures due to droplets settling on live parts and causing electrical failures.
- The drain feature allows any penetrating water or condensation to be discharged.
- The BUBRD should be positioned at the lowest point of the enclosure to allow the moisture to run into it allowing escape through the membrane. (See Figure 1) To minimise the build-up in the box/enclosure there is a slot through the threaded section, (see Figure 2) and this should be positioned through the wall section of the enclosure so that water can enter into it and down into the breather/drain keeping any moisture to a minimum. If the wall of the enclosure is thick and pre-threaded, then the lock nut is not necessary providing the breather can be tightened against the seal and bottom of the box.
- Removing the breather can sometimes be difficult if it has been extremely tight and may come apart on unwinding in the anticlockwise direction with a spanner so maybe necessary to remove the enclosure cover to help unwind from the threaded section.
- Be aware that this BUBRD reduces the IP rating to IP64 if used and should be positioned accordingly. If the higher rating is required to be maintained for IP66 applications, then the other model that is only a breather BUBR should be used as it can maintain a protection rating of IP68 and can be installed in any orientation. This will help the system but not remove build ups of internal moisture other than through air transfer.

| Feature:             | Specification                      |
|----------------------|------------------------------------|
| Connection Thread    | M25 x 1.5                          |
| Spanner size         | 27mm (breather) and 29mm (locknut) |
| Material             | Polyamide                          |
| Degree of protection | IP64 (when facing downwards)       |
| Colour               | green                              |
| Temperature range    | -40°C to +85°C                     |
| Recommended torque   | 0.8Nm                              |
| Compliance           | IEC60079                           |

