TRADER®

BUFFALO CHEMICAL RESISTANT

Data Sheets





RO
Resistant Orange
ACIDIC

RW
Resistant White
ACIDIC

RG
Resistant Grey
ALKALINE/CAUSTIC

Technical Information Common to Buffalo Industrial Range

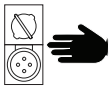
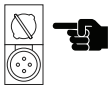
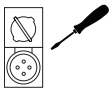
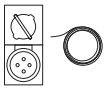
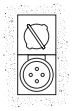
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Protection Rating Reference Chart (IP Code AS 60529)

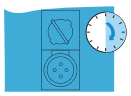
IP stands for Ingress Protection and is formed with two numbers: IPXX.
The two numbers refer to two levels of protection.

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)

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

PAGE 1 of 3



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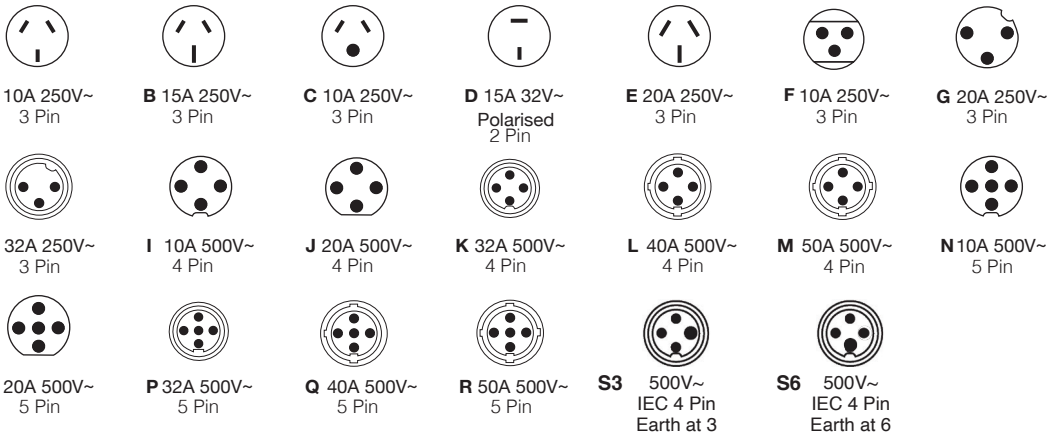
Technical Information Common to Buffalo Industrial Range

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)

Sockets



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.

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Technical Information Common to Buffalo Industrial Range

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 with durable nylon options. Now Resistant Orange, White and Grey have been included to suit other environmental conditions.
All fixing screws, springs and pins exposed to the elements being produced from 304 grade stainless steel help to provide long term weather-ability 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/ White**	**Chemical Grey**
Acids						
Weak Solutions	Hydrochloric 10%	Excellent		Excellent	Excellent	Excellent
	Nitric 10%	Excellent		Excellent	Excellent	Excellent
Concentrate	Sulphuric 100%	Excellent		Not Suitable	Not Suitable	Not Suitable
Alkalis						
Weak Solutions	Sodium Hydroxide 10% (Caustic Soda)	Excellent		Not Suitable	Good	Excellent
Concentrate	Potassium Hydroxide 100%	Excellent	Good	Not Suitable	Not Suitable	Excellent
Automotive						
	Petroleum	Excellent		Not Suitable	Excellent	Not Suitable
	Lubrication Oils	Excellent		Not Suitable	Excellent	Fair
	Hydraulic Oil	Excellent		Not Suitable	Excellent	Fair
Solvents						
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
Miscellaneous						
	Detergent	Excellent		Excellent	Excellent	
Inorganic Salts	Magnesium Sulphate	Excellent		Excellent	Excellent	Not Suitable
Oxidising Agents						
Weak Solution	Sodium Hypochlorite 5%	Excellent		Excellent	Excellent	Excellent
Strong Solution	Hydrogen Peroxide 30%	Excellent		Excellent	Excellent	Excellent
Water						
	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

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Range Availability for Chemical Resistant Options

Acid suitable RO (Resistant Orange) is ideal indoors as well as outside in UV areas as the materials are UV resistant. Food preparation areas and commercial kitchens where acid-based cleaners or diluted detergents are used are perfect applications. Machinery workshops where cutting oils are sprayed in the environment, automotive applications near petroleum-based chemicals or fumes, wineries, and breweries where exposure to natural citrus based acidic cleaners may occur are other applications. The TRADER RO range can be differentiated from others in the market by the dark red switch actuator on the orange body which provides great visibility in the environment.

In addition to the orange range a number of models will be released in Chemically resistant white, where the ore subtle aesthetic is needed such as supermarket meat and butchery areas, fish markets and delis where tiled surfaces are often used, and the bright orange option is less desirable. The RW models will also feature the red knob and latch to align them with the philosophy of the Litmus test colouring.



Alkaline/Caustic suitable RG (Resistant Grey) range is ideal in applications that are indoors or externally but not exposed to UV as they are non-UV resistant. The application for these products is ideal in indoor food processing areas where caustic bulk washdown foaming agents are used in the cleaning process such as in abattoirs and meat processing including fish and poultry. They are also good performers in areas where cooking oils or fatty residue may build up on surfaces. The TRADER RG range can be differentiated easily from others by the dark purple switch actuator on the mid-grey switch cover and matching back box enclosure.



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10 Yr Warranty TRADER

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/White

 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.	●		●

● Standard Buffalo

● Buffalo Chemical Orange/White

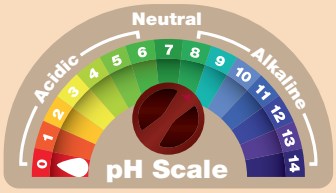
● Buffalo Chemical Grey

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BUC310RO
BUC310RO
BUC315RO
BUC320FRO
BUC320RO
BUC332RO
BUC410RO
BUC420RO
BUC432RO
BUC440RO
BUC450RO
BUC510RO
BUC520RO
BUC532RO
BUC540RO
BUC550RO

See current catalogue for further detail



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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.

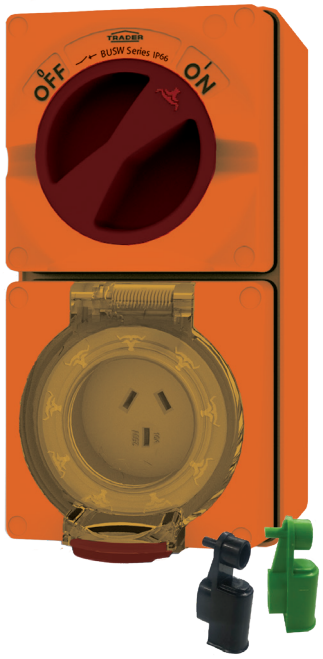
The combination switch handle has two padlocking facilities (Oval Shape 11 x 9mm) so equipment can be safely isolated.

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.

- Recommended screw torque for corner cover screws 0.6Nm
- Recommended torque for Earth/Neutral fixed terminals 2Nm
- Recommended torque for Switch terminals 2.5Nm

Part bag contains twin screwed connector.



Chemical Resistant Orange for Acid Applications.

- NOTE: RO models use dark red knobs to represent the pH scale.

Pin & Volt	Cat No.	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	AC21 Rating (A)	AC23 Rating (A)	M Rating	Minimum Conductor Size (mm²)	Maximum Conductor Size (mm²)	Dimensions H* x W x D (mm)
3 Pin 250V~	BUC310RO	10	3 Flat	A	10	10	200	1.5	6	198x101x84
	BUC315RO	15	3 Flat	B	15	15	200	1.5	6	198x101x84
	BUC320FRO	20	3 Flat	E	20	20	200	2.5	16	198x101x84
	BUC320RO	20	3 Round	G	20	20	200	2.5	16	198x101x108
	BUC332RO	32	3 Round	H	32	32	200	6	16	198x101x108
4 Pin 500V~	BUC410RO	10	4 Round	I	10	10	200	6	16	198x101x108
	BUC420RO	20	4 Round	J	20	20	200	6	16	198x101x108
	BUC432RO	32	4 Round	K	32	32	200	6	16	198x101x108
	BUC440RO	40	4 Round	L	40	40	200	6	16	198x101x108
	BUC450RO	50	4 Round	M	50	50	200	6	16	198x101x108
5 Pin 500V~	BUC510RO	10	5 Round	N	10	10	200	2.5	6	198x101x108
	BUC520RO	20	5 Round	O	20	20	200	2.5	6	198x101x108
	BUC532RO	32	5 Round	P	32	32	200	6	16	198x101x108
	BUC540RO	40	5 Round	Q	40	40	200	6	16	198x101x108
	BUC550RO	50	5 Round	R	50	50	200	6	16	198x101x108

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUC310ROLE"

Certification Number:
BUC410RO, BUC420RO, BUC432RO, BUC440RO,
BUC450RO, BUC510RO, BUC520RO,
BUC532RO, BUC540RO, BUC550RO : GMA-520261
BUC310RO, BUC315RO, BUC320FRO: GMA-513502
BUC320RO, BUC332RO: GMA-520239

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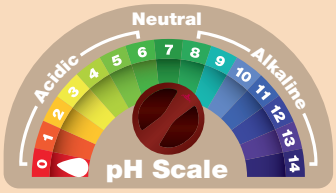
BUFFALO
CHEMICAL RESISTANT
ORANGE FOR ACIDIC

TRADER®

IP66 Combination Switched Sockets

BUC310RO
BUC310RO
BUC315RO
BUC320FRO
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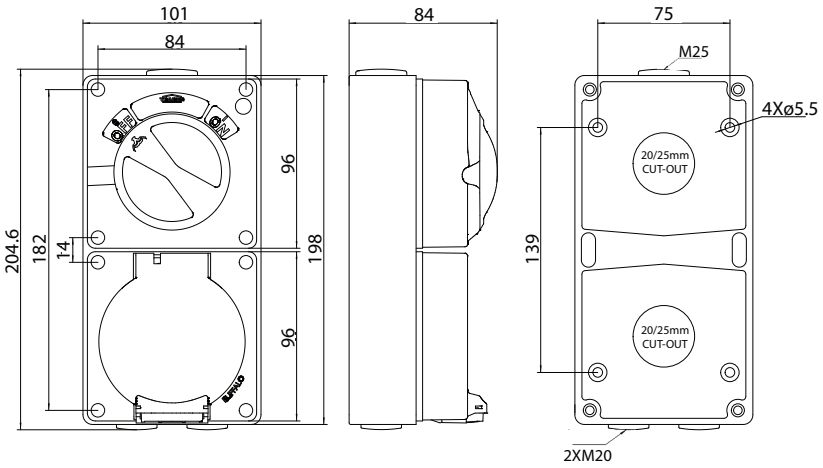
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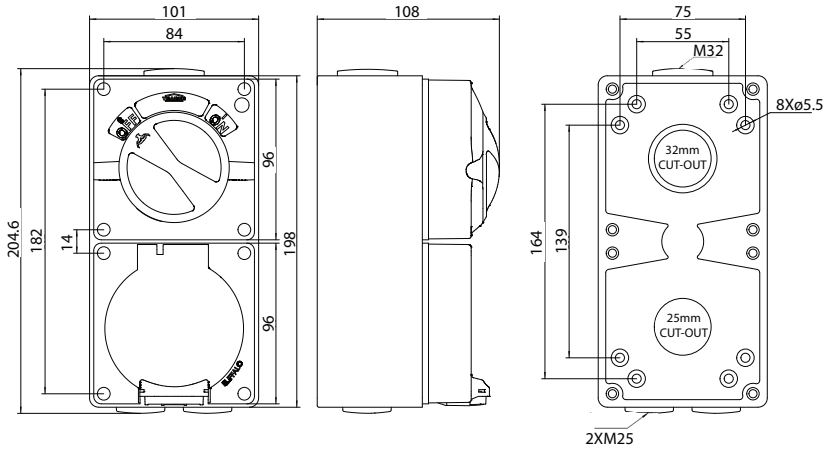
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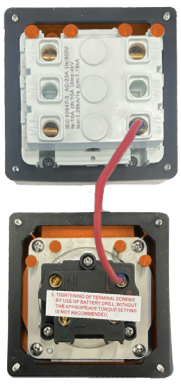


Flat Pin Models

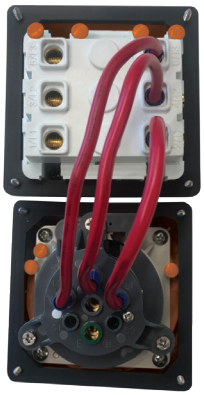


Round Pin Models





Small Single Phase
Flat pin
10A to 20A



Size 1
Single/Three Phase
10A - 20A



Size 2
Single/Three Phase
32A - 50A

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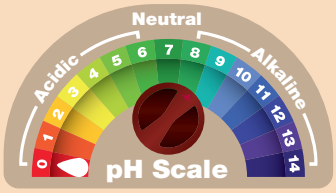
BUSW210RO
BUSW220RO
BUSW232RO
BUSW310RO
BUSW320RO
BUSW332RO
BUSW363RO

See current catalogue for further detail

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 25mm² 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)
- Range includes Double and Three Pole. 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.
- Chemical Resistant Orange for Acid Applications
- 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, Ie=32 for 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
- NOTE: RO models use dark red knobs to represent the pH scale.



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.

Heavy Duty Switch Terminals



2 Pole



3 Pole



Certification Number:
BUSW220RO, BUSW310RO, BUSW320RO: GMA-519971
BUSW232RO, BUSW332RO, BUSW340RO, BUSW363RO: GMA-520240

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10 Yr Warranty

BUSW210RO
BUSW220RO
BUSW232RO
BUSW310RO
BUSW320RO
BUSW332RO
BUSW363RO

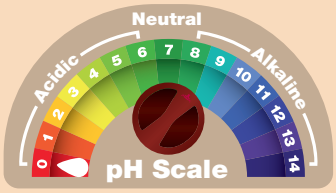
See current catalogue for further detail

IP66 Heavy Duty Switches / Switch Disconnectors

Configuration (Ratings to IEC60947-3/AS 60947-3 and AS/NZS 3133)		Cat No.	Rated Thermal Current Ith	AC23 Rating (Ue:500V~) (Ie=(A))	Motor M Rating (A)	Minimum Conductor Size (mm^2)	Maximum Conductor Size (mm^2)	Symbol
2 Pole	Rated Operational Voltage Ue (50Hz):500V~ Rated Insulation Voltage Ui (~50Hz):690V Rated Short Time Withstand Icw: 1.26kA/1s Rated impulse withstand voltage Uimp (kV): 4.0kV Rated short circuit making capacity Icm (28.4Ie): 1.789kA Uninterrupted Duty	BUSW210RO	10	10	200	2.5	16	
		BUSW220RO	20	20	200	2.5	16	
		BUSW232RO	32	32	200	6	16	
3 Pole	Rated Operational Voltage Ue (50Hz):500V~ Rated Insulation Voltage Ui (~50Hz):690V Rated Short Time Withstand Icw: 1.26kA/1s Rated impulse withstand voltage Uimp (kV): 4.0kV Rated short circuit making capacity Icm (28.4Ie): 1.789kA Uninterrupted Duty	BUSW310RO	10	10	200	2.5	16	
		BUSW320RO	20	20	200	2.5	16	
		BUSW332RO	32	32	200	6	16	
		BUSW363RO	63	50	200	16	25	

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSW210ROLE"





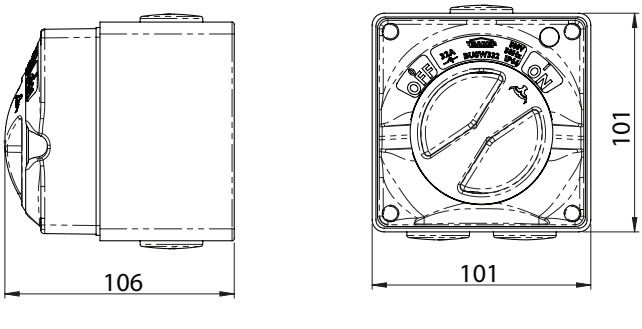
Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended.

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

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

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





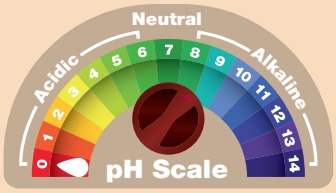
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10 Yr Warranty

BUSO310RO
BUSO315RO
BUSO320FRO
BUSO320RO
BUSO332RO
BUSO410RO
BUSO420RO
BUSO432RO
BUSO440RO
BUSO450RO
BUSO510RO
BUSO520RO
BUSO532RO
BUSO540RO
BUSO550RO

See current catalogue for further detail



Cleaning Guide:

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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

Chemical Resistant Orange for Acid Applications.

Pin & Volt	Cat No.	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Enclosure	Minimum Conductor Size (mm^2)	Maximum Conductor Size (mm^2)	Buffalo Matching Plug
3 Pin 250V~	BUSO310RO	10	3 Flat	A	BUBB1GRO	1.5	6	BUP310ROW
	BUSO315RO	15	3 Flat	B	BUBB1GRO	2.5	6	BUP315ROW
	BUSO320FRO	20	3 Flat	E	BUBB1GRO	2.5	6	BUP320FROW
	BUSO320RO	20	3 Round	G	BUBB1GRO	2.5	6	BUP320ROW / BUPA320ROW
	BUSO332RO	32	3 Round	H	BUBB1GRO	6	16	BUP332ROW / BUPA332ROW
4 Pin 500V~	BUSO410RO	10	4 Round	I	BUBB1GRO	2.5	6	BUP410ROW / BUPA410ROW
	BUSO420RO	20	4 Round	J	BUBB1GRO	2.5	6	BUP420ROW / BUPA420ROW
	BUSO432RO	32	4 Round	K	BUBB1GRO	6	16	BUP432ROW / BUPA432ROW
	BUSO440RO	40	4 Round	L	BUBB1GRO	6	16	BUP440ROW / BUPA440ROW
	BUSO450RO	50	4 Round	M	BUBB1GRO	6	16	BUP450ROW/ BUPA450ROW
5 Pin 500V~	BUSO510RO	10	5 Round	N	BUBB1GRO	2.5	6	BUP510ROW / BUPA510ROW
	BUSO520RO	20	5 Round	O	BUBB1GRO	2.5	6	BUP520ROW/ BUPA520ROW
	BUSO532RO	32	5 Round	P	BUBB1GRO	6	16	BUP532ROW / BUPA532ROW
	BUSO540RO	40	5 Round	Q	BUBB1GRO	6	16	BUP540ROW / BUPA540ROW
	BUSO550RO	50	5 Round	R	BUBB1GRO	6	16	BUP550ROW / BUPA550ROW

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSO310ROLE"

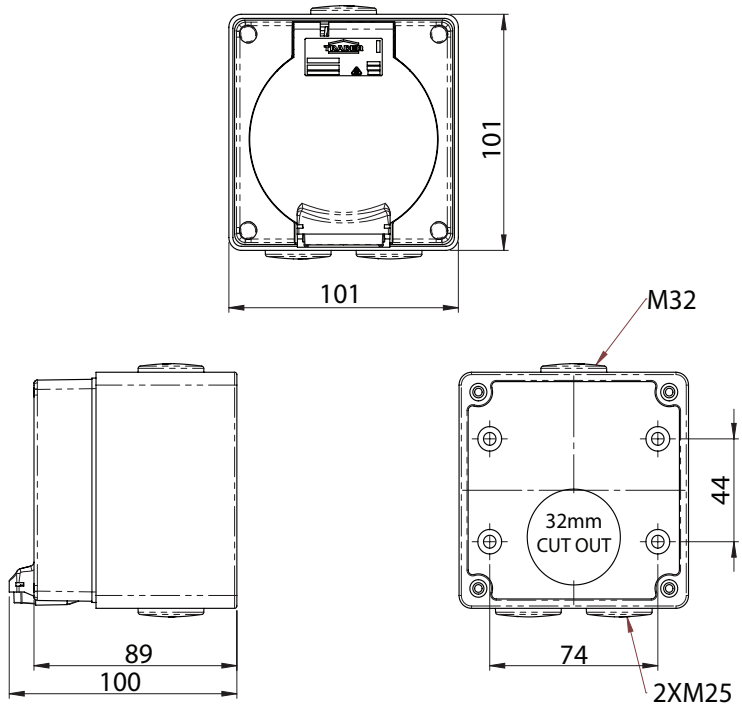
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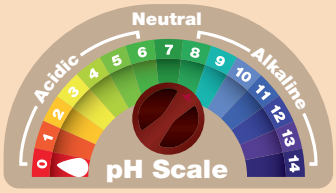
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IP66 Heavy Duty Sockets

BUSO310RO
BUSO315RO
BUSO320FRO
BUSO320RO
BUSO332RO
BUSO410RO
BUSO420RO
BUSO432RO
BUSO440RO
BUSO450RO
BUSO510RO
BUSO520RO
BUSO532RO
BUSO540RO
BUSO550RO

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.

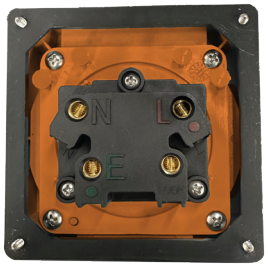
Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

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

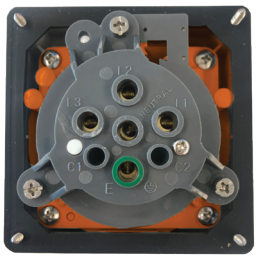
PAGE 1 of 2



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

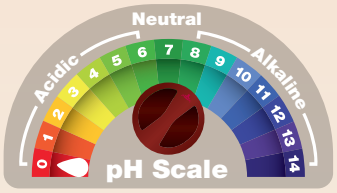
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BUEXSO310ROW
BUEXSO315ROW
BUEXSO320FROW
BUEXSO320ROW
BUEXSO332ROW
BUEXSO410ROW
BUEXSO420ROW
BUEXSO432ROW
BUEXSO440ROW
BUEXSO450ROW
BUEXSO510ROW
BUEXSO520ROW
BUEXSO532ROW
BUEXSO540ROW
BUEXSO550ROW

See current catalogue for further detail



Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended.

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



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.
- Chemical Resistant Orange and White for Acid Applications.
- 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 ø 6-12mm
  Size 1 Extension Sockets 10A and 20A accept cables from ø 12-16mm
  Size 2 Extension Sockets 32A, 40A and 50A accept cables from ø 11-16mm
- NOTE: ROW models use dark red thread rings and lock glands to represent the pH scale.

Pin & Volt	*Cat No. Extension Sockets	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Terminal Size	Maximum Conductor Size (mm^2)	Minimum Cable Diameter (mm2)	Maximum Cable Diameter (mm2)	Gland Nut Thread (mm)	Matching Plug Straight / Angled
3 Pin 250V~	BUEXSO310ROW	10	3 Flat	A	2.4 x 4.5	6	6	12	M20 x 1.5	BUP310ROW
	BUEXSO315ROW	15	3 Flat	B	2.4 x 4.5	6	6	12	M20 x 1.5	BUP315ROW
	BUEXSO320FROW	20	3 Flat	E	2.4 x 4.5	6	6	12	M20 x 1.5	BUP320FROW
	BUEXSO320ROW	20	3 Round	G	ø4.6	6	12	16	M25 x 1.5	BUP320ROW / BUPA320ROW
	BUEXSO332ROW	32	3 Round	H	ø6	16	11	16	M37 x 1.5	BUP332ROW / BUPA332ROW
4 Pin 500V~	BUEXSO410ROW	10	4 Round	I	ø4.6	6	12	16	M25 x 1.5	BUP410ROW / BUPA410ROW
	BUEXSO420ROW	20	4 Round	J	ø4.6	6	12	16	M25 x 1.5	BUP420ROW / BUPA420ROW
	BUEXSO432ROW	32	4 Round	K	ø 6	16	11	16	M37 x 1.5	BUP432ROW / BUPA432ROW
	BUEXSO440ROW	40	4 Round	L	ø 6	16	11	16	M37 x 1.5	BUP440ROW / BUPA440ROW
	BUEXSO450ROW	50	4 Round	M	ø 6	16	11	16	M37 x 1.5	BUP450ROW / BUPA450ROW
5 Pin 500V~	BUEXSO510ROW	10	5 Round	N	ø4.6	6	12	16	M25 x 1.5	BUP510ROW / BUPA510ROW
	BUEXSO520ROW	20	5 Round	O	ø4.6	6	12	16	M25 x 1.5	BUP520ROW / BUPA520ROW
	BUEXSO532ROW	32	5 Round	P	ø 6	16	11	16	M37 x 1.5	BUP532ROW / BUPA532ROW
	BUEXSO540ROW	40	5 Round	Q	ø 6	16	11	16	M37 x 1.5	BUP540ROW / BUPA540ROW
	BUEXSO550ROW	50	5 Round	R	ø 6	16	11	16	M37 x 1.5	BUP550ROW / BUPA550ROW

All products accept 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.

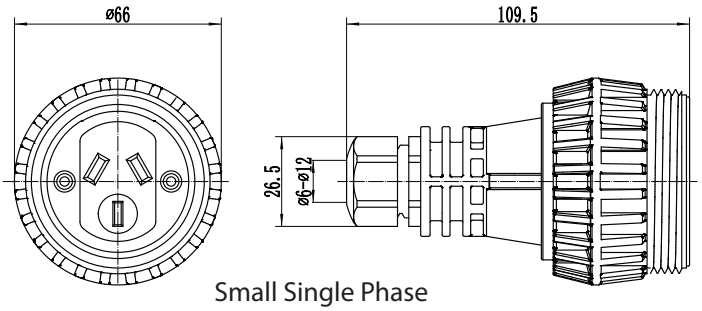
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BUEXSO310ROW, BUESXO315ROW, BUESXO320FROW: GMA-527862-EA

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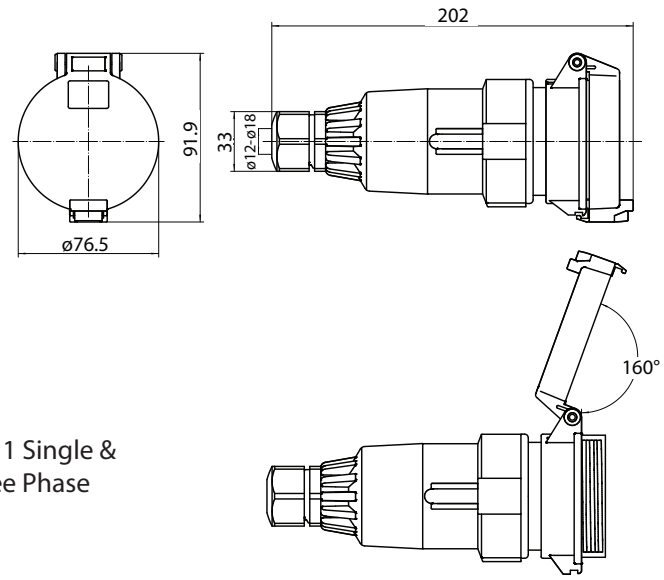
IP66 Extension Sockets

BUEXSO310ROW
BUEXSO315ROW
BUEXSO320FROW
BUEXSO320ROW
BUEXSO332ROW
BUEXSO410ROW
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BUEXSO550ROW

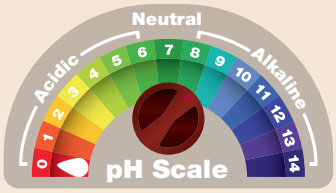
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Small Single Phase



Size 1 Single &
Three Phase



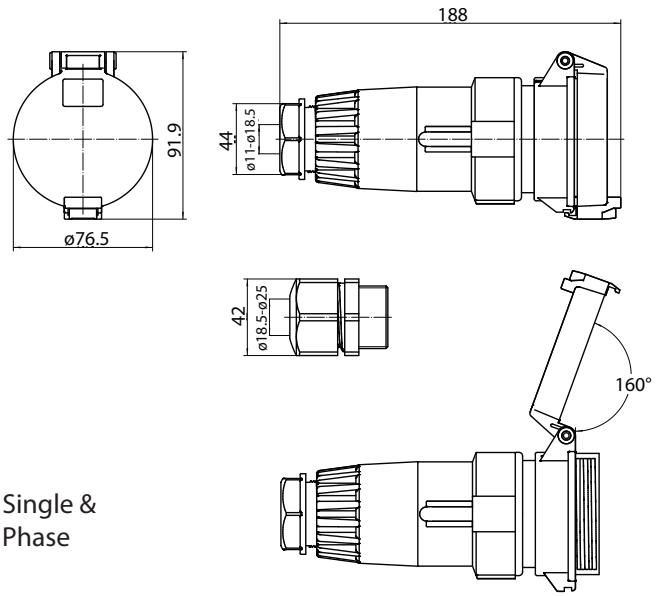
Cleaning Guide:

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Size 2 Single &
Three Phase



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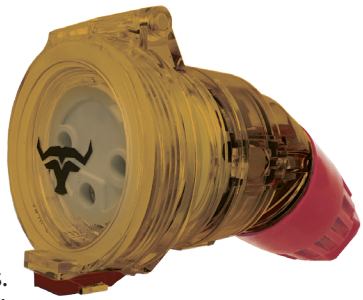
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10 Yr Warranty TRADER

BUEXSOA320ROW
BUEXSOA332ROW
BUEXSOA410ROW
BUEXSOA420ROW
BUEXSOA432ROW
BUEXSOA440ROW
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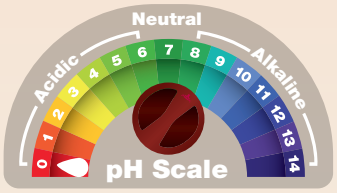
See current catalogue for further detail

IP66 Extension Angled Sockets



- 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.
- 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.
- Chemical Resistant Orange and White for Acid Applications.
- 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 ø 6-12mm
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- NOTE: ROW models use dark red thread rings and lock glands to represent the pH scale.

Pin & Volt	*Cat No. Extension Sockets	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Terminal Size	Maximum Conductor Size (mm^2)	Minimum Cable Diameter (mm2)	Maximum Cable Diameter (mm2)	Gland Nut Thread (mm)	Matching Plug Straight / Angled
3 Pin 250V~	BUEXSOA320ROW	20	3 Round	G	ø4.6	6	12	16	M25 x 1.5	BUP320ROW/ BUPA320ROW
	BUEXSOA332ROW	32	3 Round	H	ø6	16	11	16	M37 x 1.5	BUP332G/ BUPA332ROW
4 Pin 500V~	BUEXSOA410ROW	10	4 Round	I	ø4.6	6	12	16	M25 x 1.5	BUP410ROW/ BUPA410ROW
	BUEXSOA420 ROW	20	4 Round	J	ø4.6	6	12	16	M25 x 1.5	BUP420ROW/ BUPA420ROW
	BUEXSOA432 ROW	32	4 Round	K	ø 6	16	11	16	M37 x 1.5	BUP432ROW/ BUPA432ROW
	BUEXSOA440 ROW	40	4 Round	L	ø 6	16	11	16	M37 x 1.5	BUP440ROW/ BUPA440ROW
	BUEXSOA450 ROW	50	4 Round	M	ø 6	16	11	16	M37 x 1.5	BUP450ROW/ BUPA450ROW
5 Pin 500V~	BUEXSOA510 ROW	10	5 Round	N	ø4.6	6	12	16	M25 x 1.5	BUP510ROW/ BUPA510ROW
	BUEXSOA520ROW	20	5 Round	O	ø4.6	6	12	16	M25 x 1.5	BUP520ROW/ BUPA520ROW
	BUEXSOA532ROW	32	5 Round	P	ø 6	16	11	16	M37 x 1.5	BUP532ROW/ BUPA532ROW
	BUEXSOA540ROW	40	5 Round	Q	ø 6	16	11	16	M37 x 1.5	BUP540ROW/ BUPA540ROW
	BUEXSOA550ROW	50	5 Round	R	ø 6	16	11	16	M37 x 1.5	BUP550ROW/ BUPA550ROW



Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended.

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

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

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



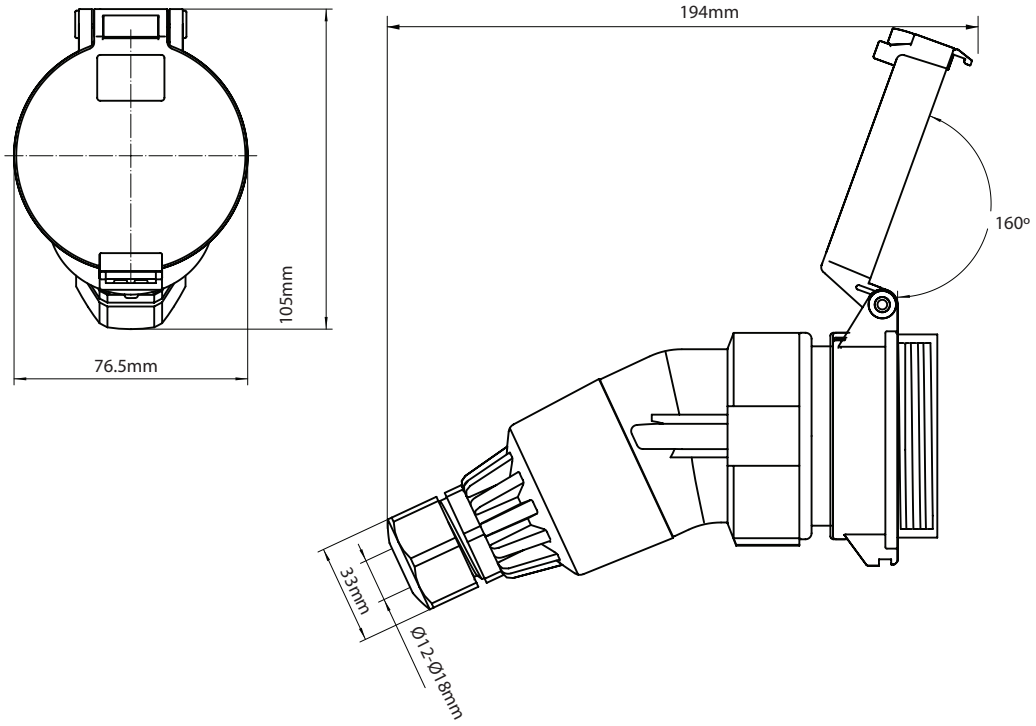
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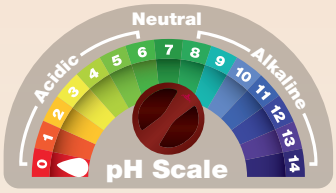
IP66 Extension Angled Sockets

BUEXSOA320ROW
BUEXSOA332ROW
BUEXSOA410ROW
BUEXSOA420ROW
BUEXSOA432ROW
BUEXSOA440ROW
BUEXSOA450ROW
BUEXSOA510ROW
BUEXSOA520ROW
BUEXSOA532ROW
BUEXSOA540ROW
BUEXSOA550ROW

See current catalogue for further detail



Size 1 Single &
Three Phase



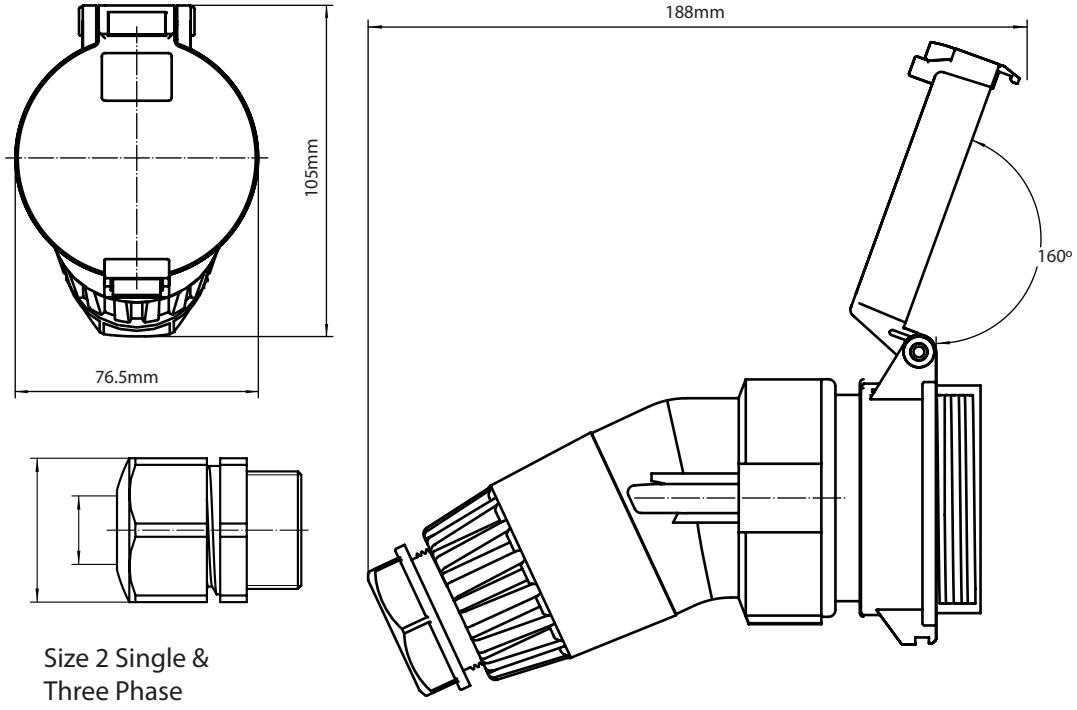
Cleaning Guide:

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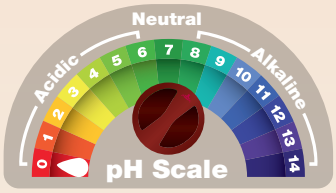
Size 2 Single &
Three Phase



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BUP310ROW
BUP310LROW
BUP315ROW
BUP320FROW
BUP320ROW
BUP332ROW
BUP410ROW
BUP420ROW
BUP432ROW
BUP440ROW
BUP450ROW
BUP510ROW
BUP520ROW
BUP532ROW
BUP540ROW
BUP550ROW
BUPA320ROW
BUPA332ROW
BUPA410ROW
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BUPA450ROW
BUPA510ROW
BUPA520ROW
BUPA532ROW
BUPA540ROW
BUPA550ROW

See current catalogue for further detail



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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.
- Chemical Resistant Orange and White for Acid Applications.
- Insulated pins in accordance to AS/NZS3112 (BUP310ROW, BUP315ROW, BUP320FROW).
- 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 ø 6 - 12mm
  Size 1 Extension Sockets 10A and 20A accept cables from ø 12 - 16mm
  Size 2 Extension Sockets 32A, 40A and 50A accept cables from ø 11 - 16mm
- NOTE: ROW models use dark red thread rings and lock glands to represent the pH scale.

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^2)	Minimum Cable Diameter (mm^2)	Maximum Cable Diameter (mm^2)	Gland Nut Thread (mm)	Matching Socket/ Combination
3 Pin 250V~	BUP310ROW	N/A	10	3 Flat	A	3.0	1.5HD	6	12	M20 x 1.5	BUSO310RO / BUSO310RW / BUC310RO /BUC310RW
	BUP310LROW	N/A	10	2 Flat 1 Round	C	3.0	1.5HD	6	12	M20 x 1.5	
	BUP315ROW	N/A	15	3 Flat	B	3.0	1.5HD	6	12	M20 x 1.5	BUSO315RO / BUSO315RW / BUC315RO /BUC315RW
	BUP320FROW	N/A	20	3 Flat	E	3.0	1.5HD	6	12	M20 x 1.5	BUSO320FRO / BUSO320FRW / BUC320FRO /BUC320FRW
	BUP320ROW	BUPA320ROW	20	3 Round	G	4.1	10	12	16	M25 x 1.5	BUSO320RO / BUSO320RW / BUC320RO /BUC320RW
	BUP332ROW	BUPA332ROW	32	3 Round	H	4.1	10	11	16	M37 x 1.5	BUSO332RO/ BUSO332RW / BUC332RO /BUC332RW
4 Pin 500V~	BUP410ROW	BUPA410ROW	10	4 Round	I	4.1	10	12	16	M25 x 1.5	BUSO410RO / BUSO410RW / BUC410RO /BUC410RW
	BUP420ROW	BUPA420ROW	20	4 Round	J	4.1	10	12	16	M25 x 1.5	BUSO420RO / BUSO420RW / BUC420RO /BUC420RW
	BUP432ROW	BUPA432ROW	32	4 Round	K	4.1	10	11	16	M37 x 1.5	BUSO432RO / BUSO432RW / BUC432RO /BUC432RW
	BUP440ROW	BUPA440ROW	40	4 Round	L	4.1	10	11	16	M37 x 1.5	BUSO440RO / BUSO440RW / BUC440RO /BUC440RW
	BUP450ROW	BUPA450ROW	50	4 Round	M	4.1	10	11	16	M37 x 1.5	BUSO450RO / BUSO450RW / BUC450RO /BUC450RW
5 Pin 500V~	BUP510ROW	BUPA510ROW	10	5 Round	N	4.1	10	12	16	M25 x 1.5	BUSO510RO / BUSO510RW / BUC510RO /BUC510RW
	BUP520ROW	BUPA520ROW	20	5 Round	O	4.1	10	12	16	M25 x 1.5	BUSO520RO / BUSO520RW / BUC520RO /BUC520RW
	BUP532ROW	BUPA532ROW	32	5 Round	P	4.1	10	11	16	M37 x 1.5	BUSO532RO / BUSO532RW / BUC532RO /BUC532RW
	BUP540ROW	BUPA540ROW	40	5 Round	Q	4.1	10	11	16	M37 x 1.5	BUSO540RO / BUSO540RW / BUC540RO /BUC540RW
	BUP550ROW	BUPA550ROW	50	5 Round	R	4.1	10	11	16	M37 x 1.5	BUSO550RO / BUSO550RW / BUC550RO /BUC550RW

Certification Number:
BUP310ROW, BUP315ROW, BUP320FROW: GMA-520081-EA
BUP320ROW, BUP332ROW, BUP410ROW, BUP420ROW, BUP432ROW, BUP440ROW, BUP440ROW, BUP510OW, BUP520RGOW, BUP532ROW, BUP540ROW, BUP540ROW, BUPA320ROW, BUPA332ROW, BUPA410ROW, BUPA420ROW, BUPA432ROW, BUPA440ROW, BUPA440ROW, BUPA510OW, BUPA520RGOW, BUPA532ROW, BUPA540ROW, BUPA540ROW: GMA-52796

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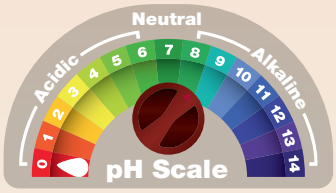




IP66 Straight & Angled Plugs

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BUPA540ROW
BUPA550ROW

See current catalogue for further detail



Cleaning Guide:

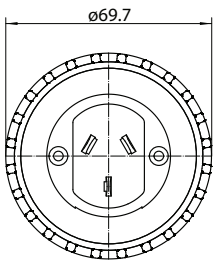
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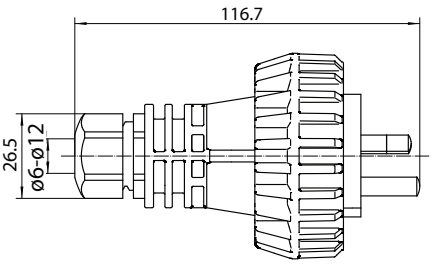
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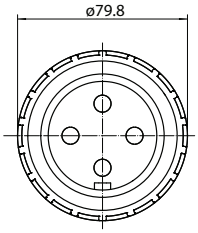
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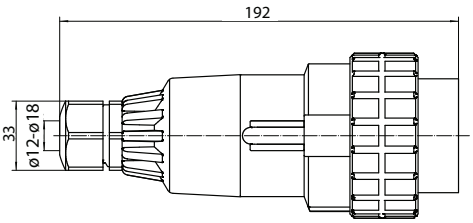




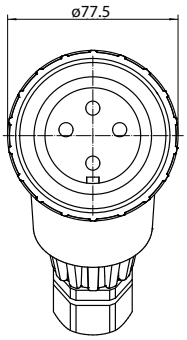


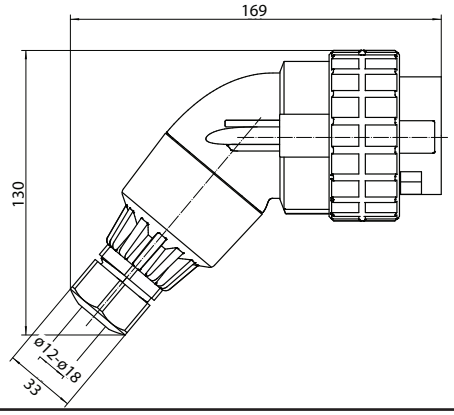
Small Single Phase

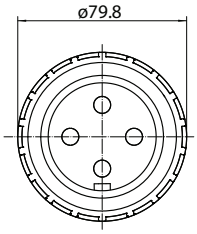


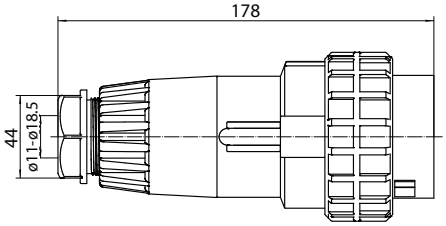


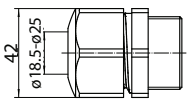
Size 1 Single & Three Phase



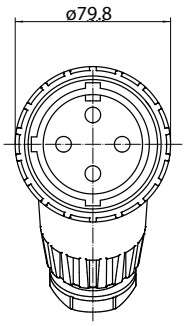


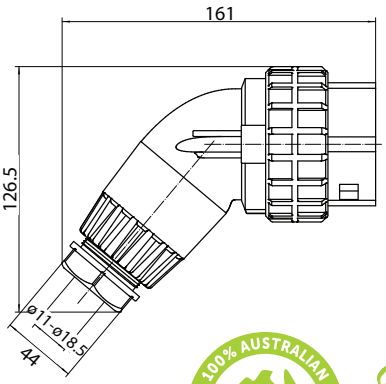






Size 2 Single & Three Phase



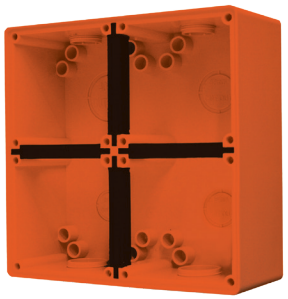


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BUBB1GSRO
BUBB1GRO
BUBB2GSRO
BUBB2GRO
BUBB4GRO
BUBRIDGE
BUBRIDGED

See current catalogue for further detail

Enclosures



- Manufactured in industrial grade resins.
- PVC Back Boxes and Conduit Plugs.
- UV Resistance.
- Chemical Resistant Orange for Acid Applications.
- Back Boxes supplied with Reducers and Screw Caps.
- Compatible with Buffalo Chemical Resistant Orange range including:
  BUL Lids, BUC Combinations & BUSW Switches
  Back Boxes 1, 2 & 4 Gang
  Shallow in 1 & 2 Gang
  Bridges provided 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.

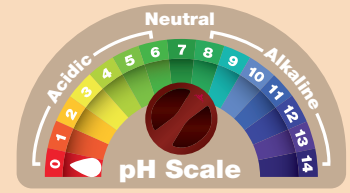
Description	Cat No.	Height (mm)	Width (mm)	Length (mm)	Conduit Entries	Rear Cut-Outs dia.
Enclosure Back Box Shallow 1 Gang	BUBB1GSRO	37	101	101	2 x 20mm 1 x 25mm	1 x 20mm 1 x 25mm
Enclosure Back Box 1 Gang	BUBB1GRO	62	101	101	2 x 25mm 1x 32mm	1 x 32mm
Enclosure Back Box Shallow 2 Gang	BUBB2GSRO	38	101	198	2 x 20mm 1 x 25mm	2 x 20mm 2 x 25mm
Enclosure Back Box 2 Gang	BUBB2GRO	63	101	198	2 x 25mm 1 x 32mm	1x 25mm 1 x 32mm
Enclosure Back Box 4 Gang	BUBB4GRO	63	198	198	2 x 25mm 2 x 32mm	2 x 25mm 1 x 32mm 1 x 40mm
Bridge for BUBB Back Box Range	BUBRIDGE					
Bridge Divider for BUBB Back Box Range	BUBRIDGED					



BUBRIDGE



BUBRIDGED



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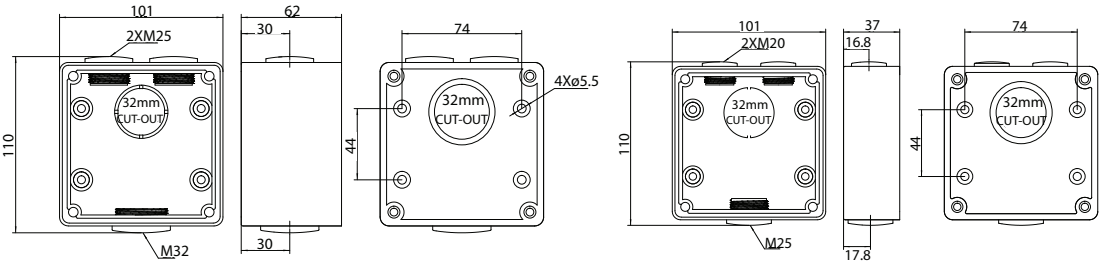


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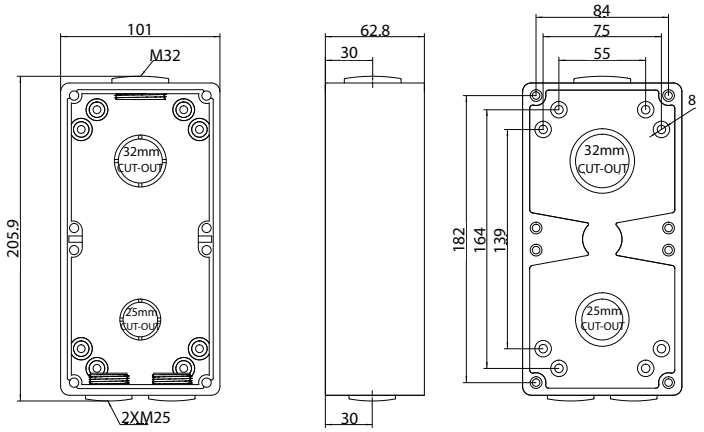
BUBB1GSRO
BUBB1GRO
BUBB2GSRO
BUBB2GRO
BUBB4GRO
BUBRIDGE
BUBRIDGED

See current catalogue for further detail

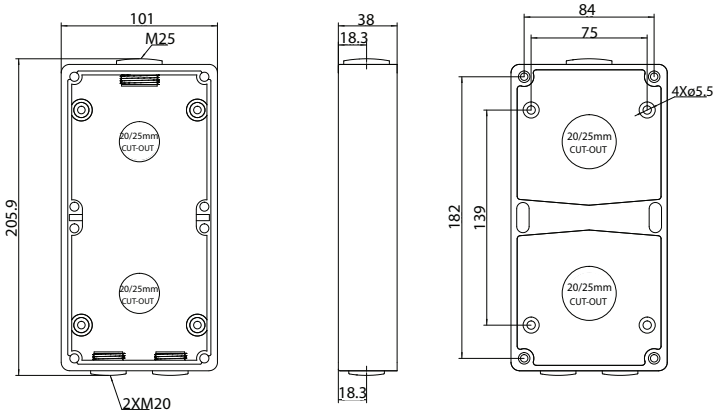
Enclosures



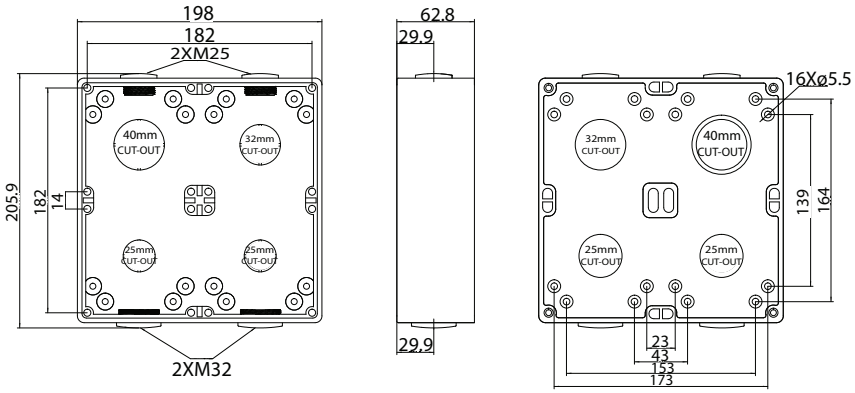
BUBB1GRO BUBB1GSRO



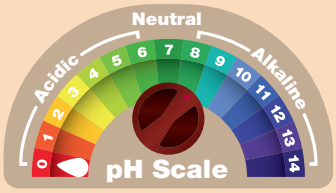
BUBB2GRO



BUBB2GSRO



BUBB4GRO



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PAGE 2 of 2



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100% AUSTRALIAN OWNED & OPERATED TRADER
10 Yr Warranty TRADER

BUL1RO
BUL2RO

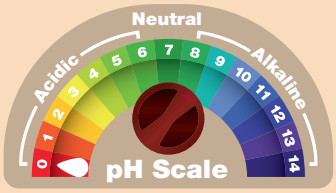
See current catalogue for further detail

Enclosure Lids

- Manufactured in industrial grade resins providing:
- UV Resistance.
- Chemical Resistant Orange for Acid Applications
- Compatible with Buffalo previous & current ranges.
- Includes sealing gaskets, cover fixing screws and c over screw caps
- Installer Tip: Fix cover screws to maximum torque levels of 0.6Nm.



Cat No.	Description	Height (mm)	Width (mm)	Length (mm)
BUL1RO	Lid for 1 Gang Enclosures	28	95	95
BUL2RO	Lid for 2 Gang Enclosures	28	95	193



Cleaning Guide:

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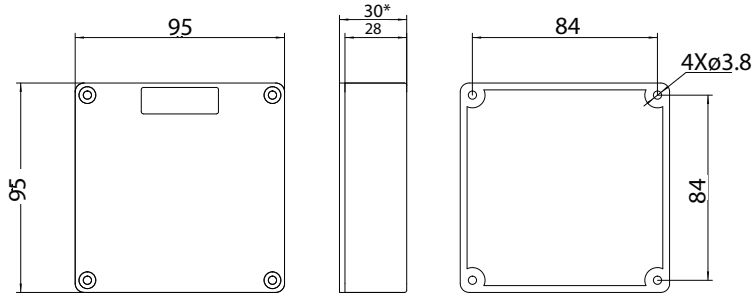
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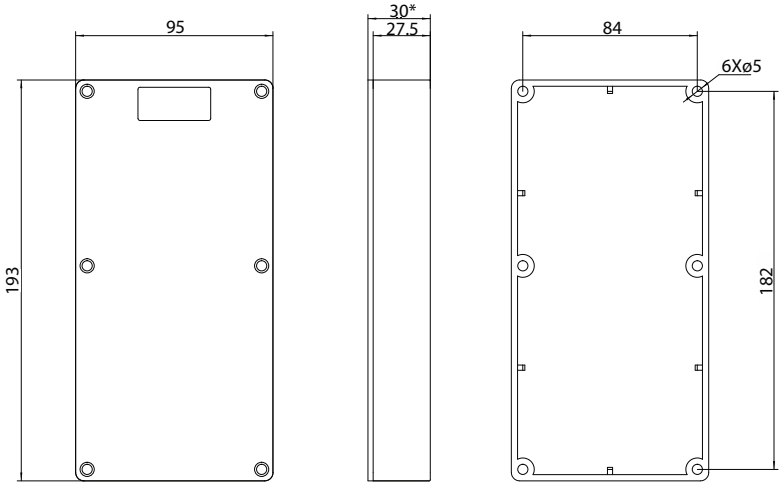
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BUL1RO



BUL2RO



*includes gasket

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BU4DINRO

See current catalogue for further detail

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.

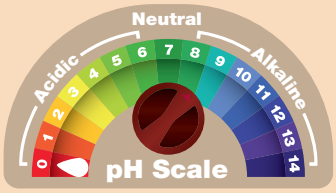
Cable length is suitable for wiring below the DIN rail and can reach easily into the lower section of switch gear installed into the enclosure.

Chemical Resistant Orange for Acid Applications

Installer Tip: Fix cover screws to maximum torque levels of 0.6Nm.

Cat No.	Description	Poles	Conduit Entries
BU4DINRO	Enclosure DIN 4 Pole	4	2 x 25mm 1 x 32mm

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BU2DINROLE"



Cleaning Guide:

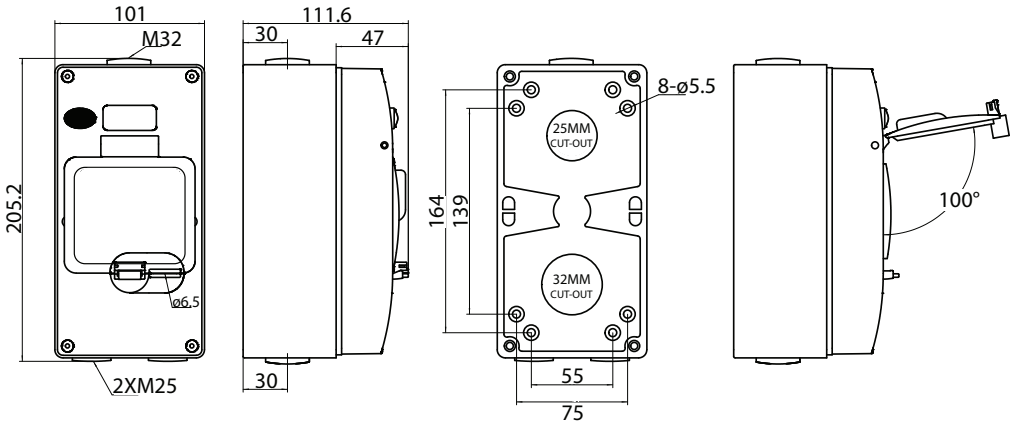
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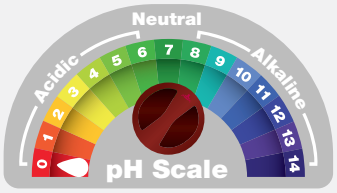




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BUC310RW
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PAGE 1 of 2



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.

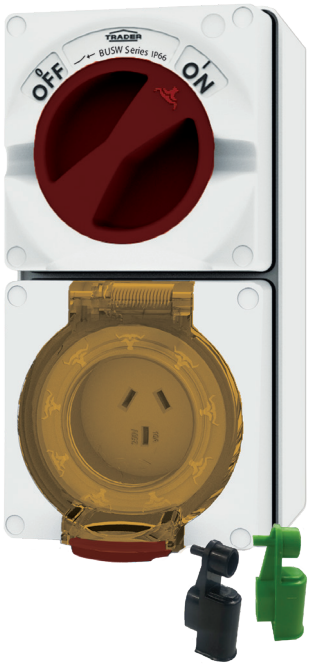
The combination switch handle has two padlocking facilities (Oval Shape 11 x 9mm) so equipment can be safely isolated.

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.

- Recommended screw torque for corner cover screws 0.6Nm
- Recommended torque for Earth/Neutral fixed terminals 2Nm
- Recommended torque for Switch terminals 2.5Nm

Part bag contains twin screwed connector.



Chemical Resistant White for Acid Applications.

- NOTE: RW models use dark red knobs to represent the pH scale.

Pin & Volt	Cat No.	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	AC21 Rating (A)	AC23 Rating (A)	M Rating	Minimum Conductor Size (mm^2)	Maximum Conductor Size (mm^2)	Dimensions H* x W x D (mm)
3 Pin 250V~	BUC310RW	10	3 Flat	A	10	10	200	1.5	6	198x101x84
	BUC315RW	15	3 Flat	B	15	15	200	1.5	6	198x101x84
	BUC320FRW	20	3 Flat	E	20	20	200	2.5	16	198x101x84
	BUC320RW	20	3 Round	G	20	20	200	2.5	16	198x101x108
	BUC332RW	32	3 Round	H	32	32	200	6	16	198x101x108
4 Pin 500V~	BUC410RW	10	4 Round	I	10	10	200	6	16	198x101x108
	BUC420RW	20	4 Round	J	20	20	200	6	16	198x101x108
	BUC432RW	32	4 Round	K	32	32	200	6	16	198x101x108
	BUC440RW	40	4 Round	L	40	40	200	6	16	198x101x108
	BUC450RW	50	4 Round	M	50	50	200	6	16	198x101x108
5 Pin 500V~	BUC510RW	10	5 Round	N	10	10	200	2.5	6	198x101x108
	BUC520RW	20	5 Round	O	20	20	200	2.5	6	198x101x108
	BUC532RW	32	5 Round	P	32	32	200	6	16	198x101x108
	BUC540RW	40	5 Round	Q	40	40	200	6	16	198x101x108
	BUC550RW	50	5 Round	R	50	50	200	6	16	198x101x108

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUC310RWLE"

Certification Number:
BUC410RW, BUC420RW, BUC432RW, BUC440RW, BUC450RW, BUC510RW, BUC520RW, BUC532RW, BUC540RW, BUC550RW : GMA-520261
BUC310RW, BUC315RW, BUC320FRW: GMA-513502
BUC320RW, BUC332RW: GMA-520239

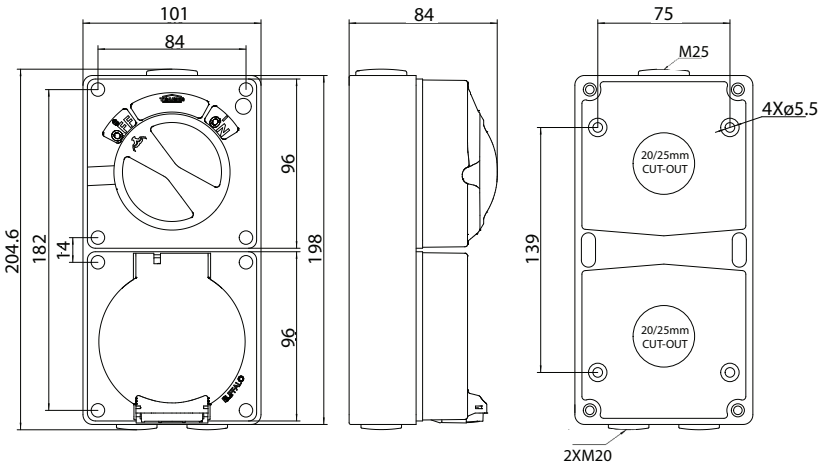
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IP66 Combination Switched Sockets

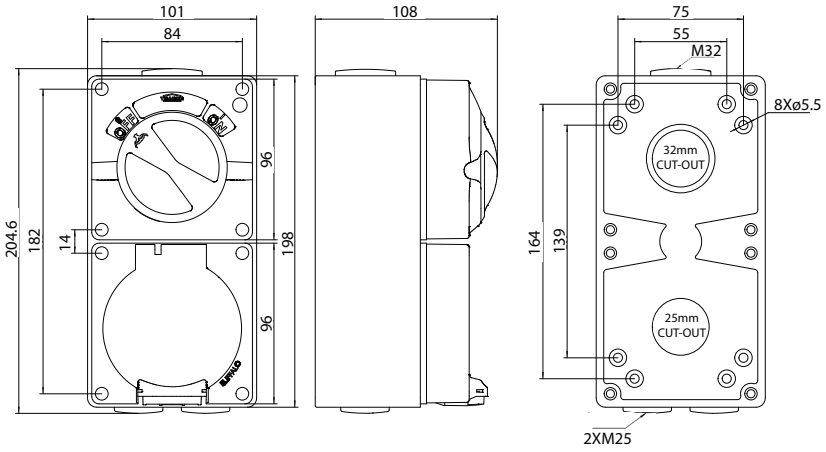
BUC310RW
BUC315RW
BUC320FRW
BUC320RW
BUC332RW
BUC410RW
BUC420RW
BUC432RW
BUC440RW
BUC450RW
BUC510RW
BUC520RW
BUC532RW
BUC540RW
BUC550RW

See current catalogue for further detail

Flat Pin Models

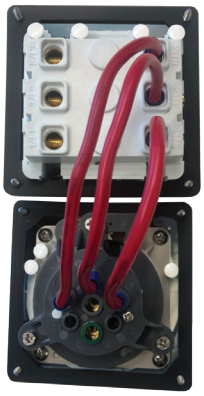


Round Pin Models

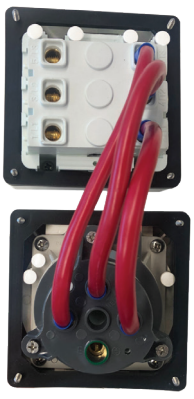




Small Single Phase
Flat pin
10A to 20A



Size 1
Single/Three Phase
10A - 20A



Size 2
Single/Three Phase
32A - 50A



Cleaning Guide:

Spraying cleaning products on to electrical products is not recommended.

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

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

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



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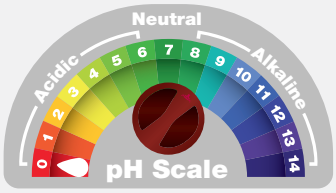
BUSW210RW
BUSW220RW
BUSW232RW
BUSW310RW
BUSW320RW
BUSW332RW
BUSW363RW

See current catalogue for further detail

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^2 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)
- Range includes Double and Three Pole. 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.
- Chemical Resistant White for Acid Applications
- 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, Ie=32 for 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
- NOTE: RW models use dark red knobs to represent the pH scale.



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Heavy Duty Switch Terminals



2 Pole



3 Pole



Certification Number:
BUSW220ROW, BUSW310RW, BUSW320RW: GMA-519971
BUSW232RW, BUSW332RW, BUSW340RW, BUSW363RW: GMA-520240

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BUSW210RW
BUSW220RW
BUSW232RW
BUSW310RW
BUSW320RW
BUSW332RW
BUSW363RW

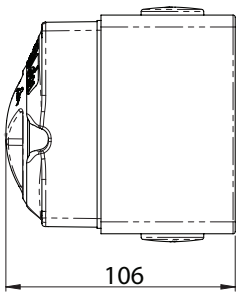
See current catalogue for further detail

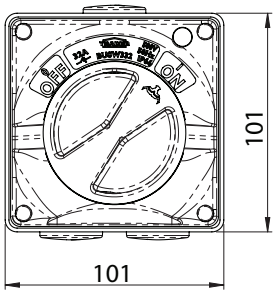
IP66 Heavy Duty Switches / Switch Disconnectors

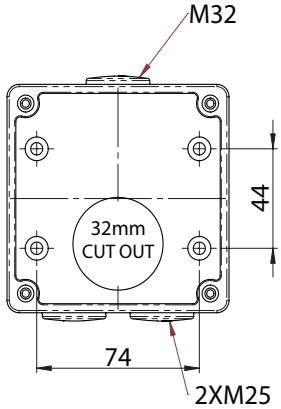
Configuration (Ratings to IEC60947-3/AS 60947-3 and AS/NZS 3133)		Cat No.	Rated Thermal Current Ith	AC23 Rating (Ue:500V~) (Ie=(A))	Motor M Rating (A)	Minimum Conductor Size (mm²)	Maximum Conductor Size (mm²)	Symbol
2 Pole	Rated Operational Voltage Ue (50Hz):500V~ Rated Insulation Voltage Ui (~50Hz):690V Rated Short Time Withstand Icw: 1.26kA/1s Rated impulse withstand voltage Uimp (kV): 4.0kV Rated short circuit making capacity Icm (28.4Ie): 1.789kA Uninterrupted Duty	BUSW210RW	10	10	200	2.5	16	
		BUSW220RW	20	20	200	2.5	16	
		BUSW232RW	32	32	200	6	16	
3 Pole	Rated Operational Voltage Ue (50Hz):500V~ Rated Insulation Voltage Ui (~50Hz):690V Rated Short Time Withstand Icw: 1.26kA/1s Rated impulse withstand voltage Uimp (kV): 4.0kV Rated short circuit making capacity Icm (28.4Ie): 1.789kA Uninterrupted Duty	BUSW310RW	10	10	200	2.5	16	
		BUSW320RW	20	20	200	2.5	16	
		BUSW332RW	32	32	200	6	16	
		BUSW363RW	63	50	200	16	25	

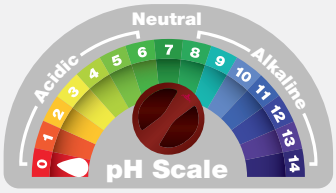
When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSW210RWLE"











Cleaning Guide:

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



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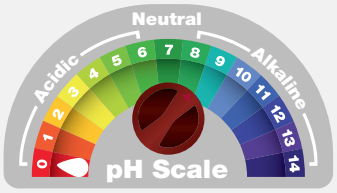
BUSS
BUSS15

See current catalogue for further detail

IP66 Heavy Duty Suspension Sockets



- Buffalo suspension sockets provide versatility and functionality, to position power overhead in convenient places above benches or work areas where other fixed sockets cannot be located.
- The main housing contains a solid loop for chain or wire rope connection, to provide support and strain relief for electrical cabling.
- Standard thread ring allows interconnection of weatherproof plugs, to assist in retention in the socket during operation.
- Double pole switching for the socket with large terminals 5.5mm A and N terminals with 4mm Earth
- Integral power available LED
- Features internal cord clamp for mechanical cord restraint
- Diameter of cable gland entry Ø10.5mm to Ø7.5mm for heavy duty cable.
- Available in resistant white for better performance in kitchens and deli applications to cope with the cleaners and blend in with white décor that is often used
- Red slide switch and button to symbolise suitability for acidic cleaner resistance applications like others in the Buffalo range
- Spring loaded flap to maintain the IP rating when plugs not installed
- Ideal for use with the BUP310 and BUP315 series Buffalo plugs.



Cleaning Guide:

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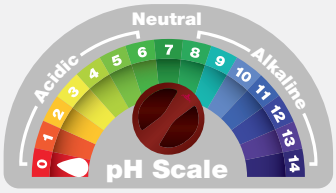
Catalogue Number	Description
BUSS	Suspension Socket Switched 1 Gang IP66 10A 250V ac Double Pole Chemical Resistant White
BUSS15	Suspension Socket Switched 1 Gang IP66 15A 250V ac Double Pole Chemical Resistant White

Certification Number:
TBC

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BUSO310RW
BUSO315RW
BUSO320FRW
BUSO320RW
BUSO332RW
BUSO410RW
BUSO420RW
BUSO432RW
BUSO440RW
BUSO450RW
BUSO510RW
BUSO520RW
BUSO532RW
BUSO540RW
BUSO550RW

See current catalogue for further detail



Cleaning Guide:

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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

Chemical Resistant White for Acid Applications.

Pin & Volt	Cat No.	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Enclosure	Minimum Conductor Size (mm²)	Maximum Conductor Size (mm²)	Buffalo Matching Plug
3 Pin 250V~	BUSO310RW	10	3 Flat	A	BUBB1GRO	1.5	6	BUP310ROW
	BUSO315RW	15	3 Flat	B	BUBB1GRO	2.5	6	BUP315ROW
	BUSO320FRW	20	3 Flat	E	BUBB1GRO	2.5	6	BUP320FROW
	BUSO320RW	20	3 Round	G	BUBB1GRO	2.5	6	BUP320ROW / BUPA320ROW
	BUSO332RW	32	3 Round	H	BUBB1GRO	6	16	BUP332ROW / BUPA332ROW
4 Pin 500V~	BUSO410RW	10	4 Round	I	BUBB1GRO	2.5	6	BUP410ROW / BUPA410ROW
	BUSO420RW	20	4 Round	J	BUBB1GRO	2.5	6	BUP420ROW / BUPA420ROW
	BUSO432RW	32	4 Round	K	BUBB1GRO	6	16	BUP432ROW / BUPA432ROW
	BUSO440RW	40	4 Round	L	BUBB1GRO	6	16	BUP440ROW / BUPA440ROW
	BUSO450RW	50	4 Round	M	BUBB1GRO	6	16	BUP450ROW/ BUPA450ROW
5 Pin 500V~	BUSO510RW	10	5 Round	N	BUBB1GRO	2.5	6	BUP510ROW / BUPA510ROW
	BUSO520RW	20	5 Round	O	BUBB1GRO	2.5	6	BUP520ROW/ BUPA520ROW
	BUSO532RW	32	5 Round	P	BUBB1GRO	6	16	BUP532ROW / BUPA532ROW
	BUSO540RW	40	5 Round	Q	BUBB1GRO	6	16	BUP540ROW / BUPA540ROW
	BUSO550RW	50	5 Round	R	BUBB1GRO	6	16	BUP550ROW / BUPA550ROW

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSO310RWLE"

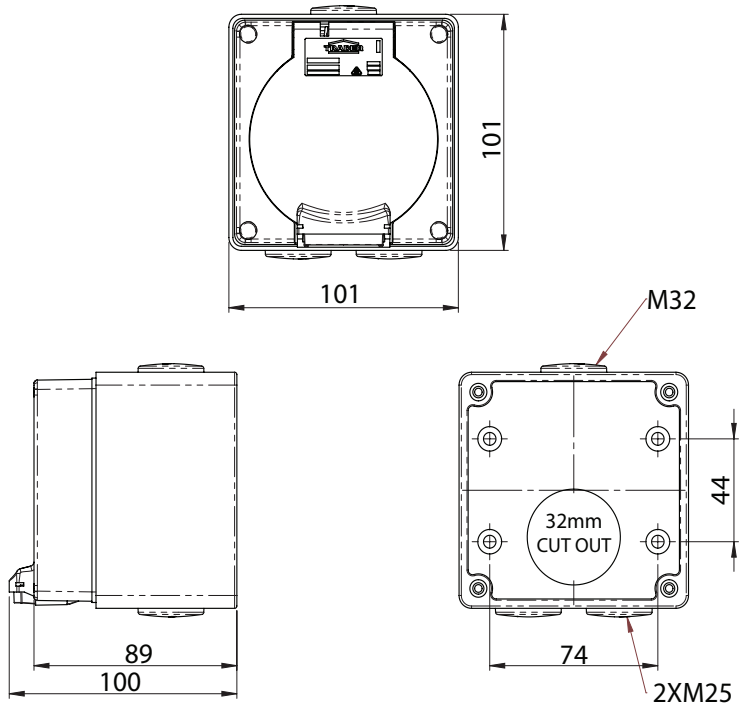
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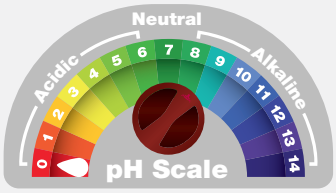
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IP66 Heavy Duty Sockets

BUSO310RW
BUSO315RW
BUSO320FRW
BUSO320RW
BUSO332RW
BUSO410RW
BUSO420RW
BUSO432RW
BUSO440RW
BUSO450RW
BUSO510RW
BUSO520RW
BUSO532RW
BUSO540RW
BUSO550RW

See current catalogue for further detail





Cleaning Guide:

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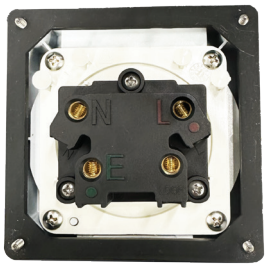
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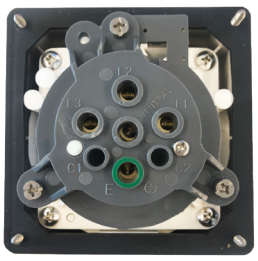
Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.



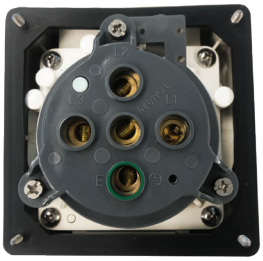
Heavy Duty Socket Terminals



Small Single Phase
Flat pin
10A to 20A



Size 1
Single/Three Phase
10A - 20A



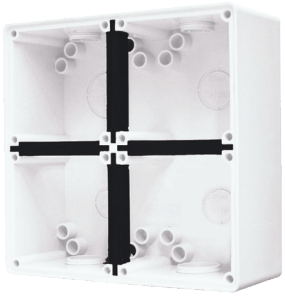
Size 2
Single/Three Phase
32A - 50A

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BUBB1GSRW
BUBB1GRW
BUBB2GSRW
BUBB2GRW
BUBB4GRW
BUBRIDGE
BUBRIDGED

See current catalogue for further detail

Enclosures



- Manufactured in industrial grade resins.
- PVC Back Boxes and Conduit Plugs.
- UV Resistance.
- Chemical Resistant White for Acid Applications.
- Back Boxes supplied with Reducers and Screw Caps.
- Compatible with Buffalo Chemical Resistant White range including:
  BUL Lids, BUC Combinations & BUSW Switches
  Back Boxes 1, 2 & 4 Gang
  Shallow in 1 & 2 Gang
  Bridges provided 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.

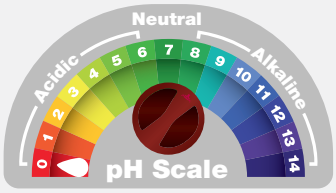
Description	Cat No.	Height (mm)	Width (mm)	Length (mm)	Conduit Entries	Rear Cut-Outs dia.
Enclosure Back Box Shallow 1 Gang	BUBB1GSRW	37	101	101	2 x 20mm 1 x 25mm	1 x 20mm 1 x 25mm
Enclosure Back Box 1 Gang	BUBB1GRW	62	101	101	2 x 25mm 1x 32mm	1 x 32mm
Enclosure Back Box Shallow 2 Gang	BUBB2GSRW	38	101	198	2 x 20mm 1 x 25mm	2 x 20mm 2 x 25mm
Enclosure Back Box 2 Gang	BUBB2GRW	63	101	198	2 x 25mm 1 x 32mm	1x 25mm 1 x 32mm
Enclosure Back Box 4 Gang	BUBB4GRW	63	198	198	2 x 25mm 2 x 32mm	2 x 25mm 1 x 32mm 1 x 40mm
Bridge for BUBB Back Box Range	BUBRIDGE					
Bridge Divider for BUBB Back Box Range	BUBRIDGED					



BUBRIDGE



BUBRIDGED



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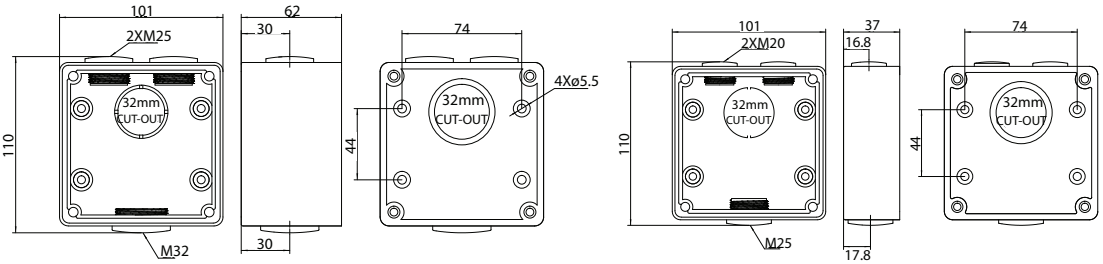


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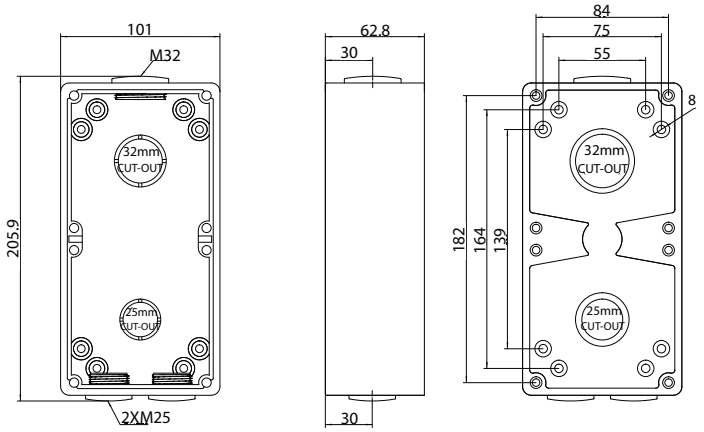
BUBB1GSRW
BUBB1GRW
BUBB2GSRW
BUBB2GRW
BUBB4GRW
BUBRIDGE
BUBRIDGED

See current catalogue for further detail

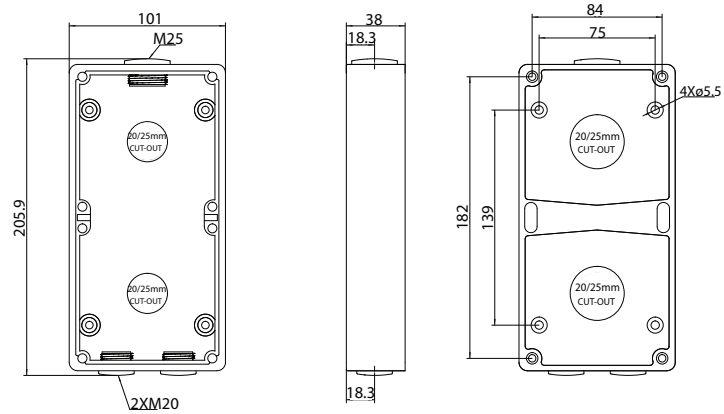
Enclosures



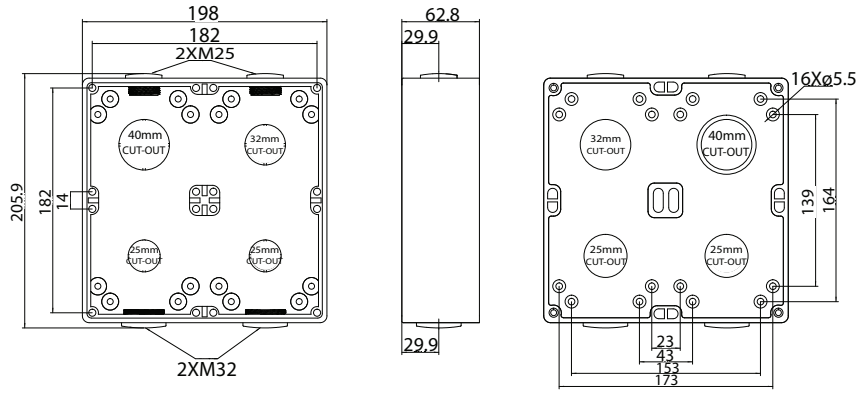
BUBB1GRW BUBB1GSRW



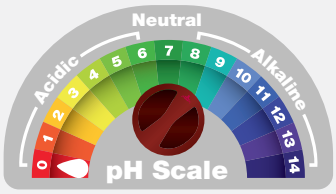
BUBB2GRW



BUBB2GSRW



BUBB4GRW



Cleaning Guide:

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

PAGE 2 of 2



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100% AUSTRALIAN OWNED & OPERATED TRADER
10 Yr Warranty TRADER

BUL1RW
BUL2RW

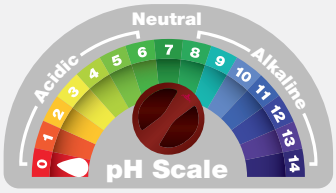
See current catalogue for further detail

Enclosure Lids

- Manufactured in industrial grade resins providing:
- UV Resistance.
- Chemical Resistant White for Acid Applications
- Compatible with Buffalo previous & current ranges.
- Includes sealing gaskets, cover fixing screws and c over screw caps
- Installer Tip: Fix cover screws to maximum torque levels of 0.6Nm.



Cat No.	Description	Height (mm)	Width (mm)	Length (mm)
BUL1RW	Lid for 1 Gang Enclosures	28	95	95
BUL2RW	Lid for 2 Gang Enclosures	28	95	193



Cleaning Guide:

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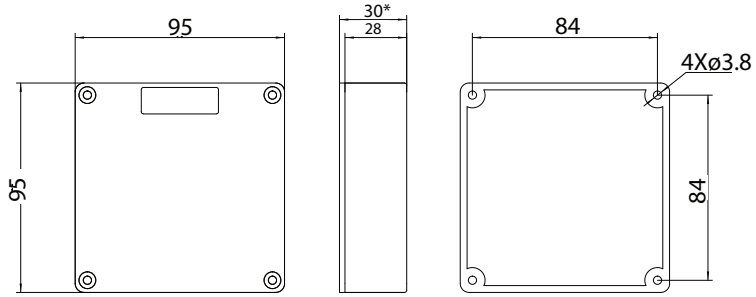
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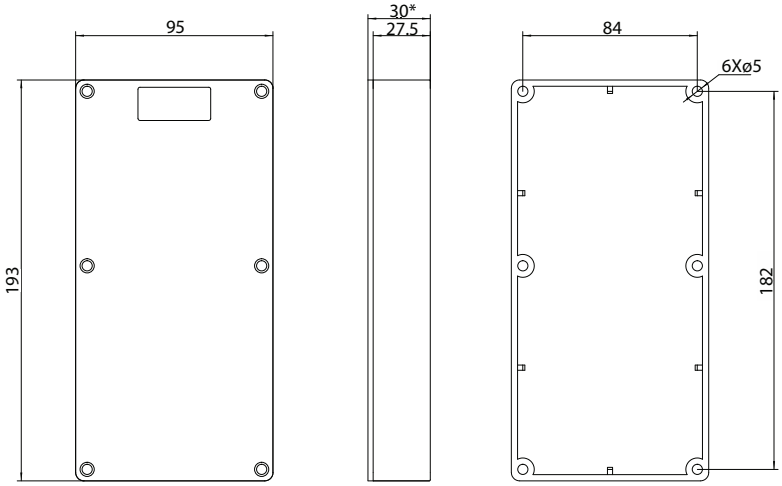
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BUL1RW



BUL2RW



*includes gasket

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BU4DINRW

See current catalogue for further detail

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.

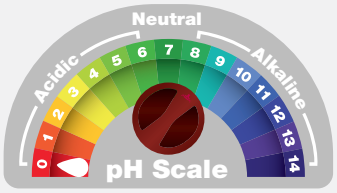
Cable length is suitable for wiring below the DIN rail and can reach easily into the lower section of switch gear installed into the enclosure.

Chemical Resistant White for Acid Applications

Installer Tip: Fix cover screws to maximum torque levels of 0.6Nm.

Cat No.	Description	Poles	Conduit Entries
BU4DINRW	Enclosure DIN 4 Pole	4	2 x 25mm 1 x 32mm

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BU2DINRWLE"



Cleaning Guide:

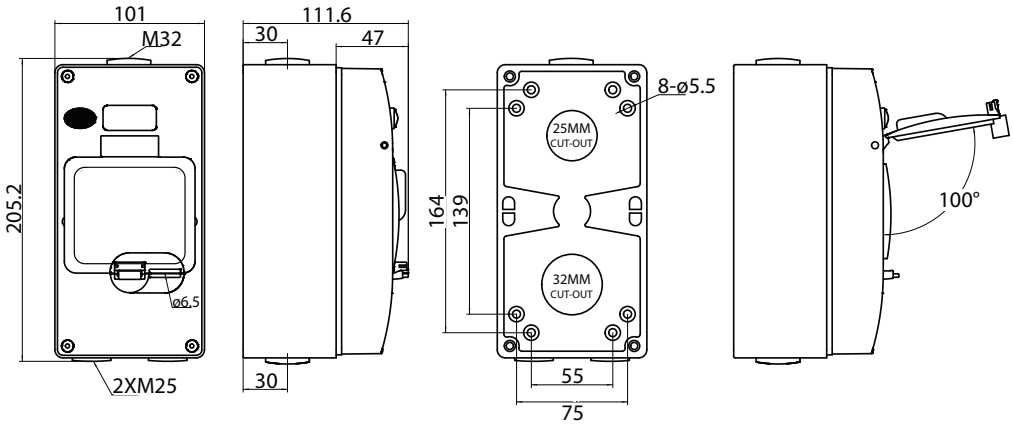
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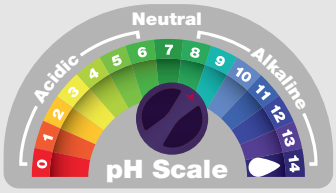




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BUC310RG
BUC310RG
BUC315RG
BUC320FRG
BUC320RG
BUC332RG
BUC410RG
BUC420RG
BUC432RG
BUC440RG
BUC450RG
BUC510RG
BUC520RG
BUC532RG
BUC540RG
BUC550RG

See current catalogue for further detail



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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.

- Recommended screw torque for corner cover screws 0.6Nm
- Recommended torque for Earth/Neutral fixed terminals 2Nm
- Recommended torque for Switch terminals 2.5Nm

Part bag contains twin screwed connector.



Chemical Resistant Grey for Alkaline Applications.

- NOTE: RG models use purple knobs to represent the pH scale.

Pin & Volt	Cat No.	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	AC21 Rating (A)	AC23 Rating (A)	M Rating	Minimum Conductor Size (mm^2)	Maximum Conductor Size (mm^2)	Dimensions H* x W x D (mm)
3 Pin 250V~	BUC310RG	10	3 Flat	A	10	10	200	1.5	6	198x101x84
	BUC315RG	15	3 Flat	B	15	15	200	1.5	6	198x101x84
	BUC320FRG	20	3 Flat	E	20	20	200	2.5	16	198x101x84
	BUC320RG	20	3 Round	G	20	20	200	2.5	16	198x101x108
	BUC332RG	32	3 Round	H	32	32	200	6	16	198x101x108
4 Pin 500V~	BUC410RG	10	4 Round	I	10	10	200	6	16	198x101x108
	BUC420RG	20	4 Round	J	20	20	200	6	16	198x101x108
	BUC432RG	32	4 Round	K	32	32	200	6	16	198x101x108
	BUC440RG	40	4 Round	L	40	40	200	6	16	198x101x108
	BUC450RG	50	4 Round	M	50	50	200	6	16	198x101x108
5 Pin 500V~	BUC510RG	10	5 Round	N	10	10	200	2.5	6	198x101x108
	BUC520RG	20	5 Round	O	20	20	200	2.5	6	198x101x108
	BUC532RG	32	5 Round	P	32	32	200	6	16	198x101x108
	BUC540RG	40	5 Round	Q	40	40	200	6	16	198x101x108
	BUC550RG	50	5 Round	R	50	50	200	6	16	198x101x108

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUC310RGLE"

Certification Number:
BUC410RG, BUC420RG, BUC432RG, BUC440RG, BUC450RG, BUC510RG, BUC520RG, BUC532RG, BUC540RG, BUC550RG : GMA-520261
BUC310RG, BUC315RG, BUC320FRG: GMA-513502
BUC320RG, BUC332RG: GMA-520239

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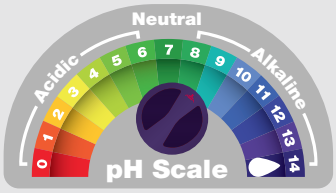




IP66 Combination Switched Sockets

BUC310RG
BUC310RG
BUC315RG
BUC320FRG
BUC320RG
BUC332RG
BUC410RG
BUC420RG
BUC432RG
BUC440RG
BUC450RG
BUC510RG
BUC520RG
BUC532RG
BUC540RG
BUC550RG

See current catalogue for further detail



Cleaning Guide:

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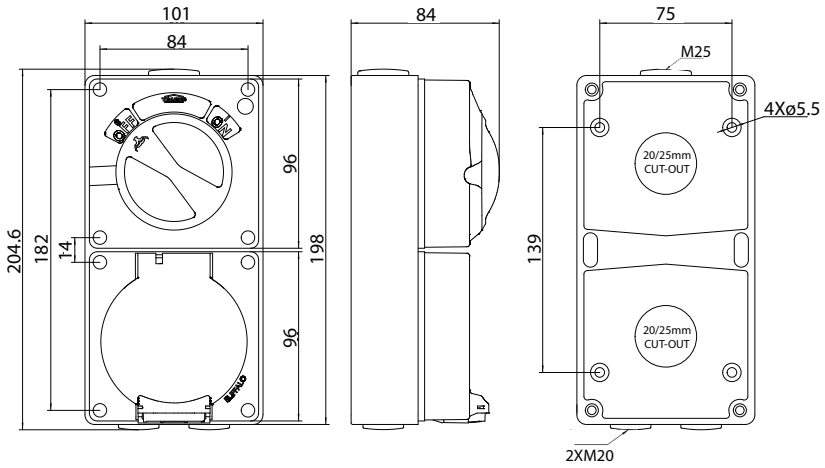
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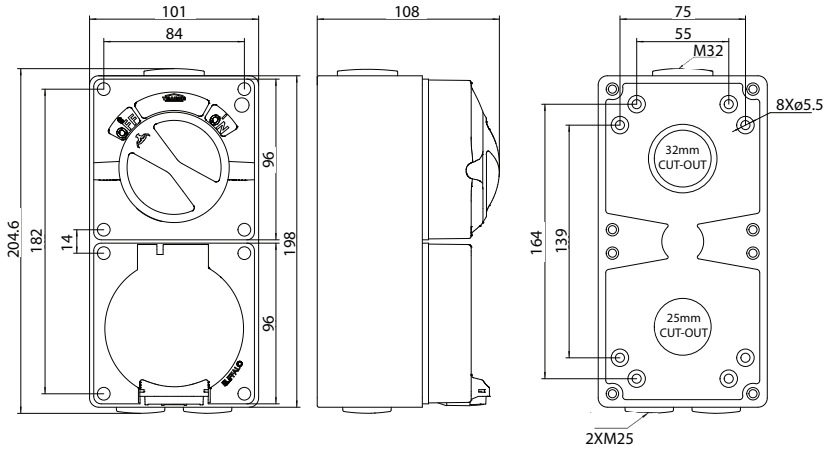
PAGE 2 of 2

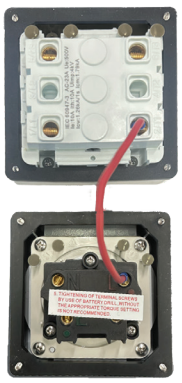


Flat Pin Models

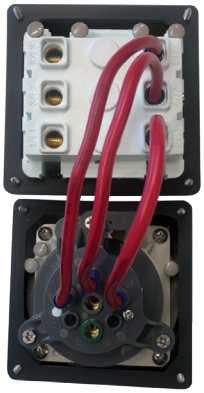


Round Pin Models





Small Single Phase
Flat pin
10A to 20A



Size 1
Single/Three Phase
10A - 20A



Size 2
Single/Three Phase
32A - 50A

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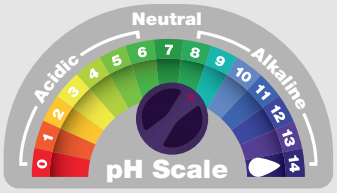
BUSW210RG
BUSW220RG
BUSW232RG
BUSW310RG
BUSW320RG
BUSW332RG
BUSW363RG

See current catalogue for further detail

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^2 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)
- Range includes Double and Three Pole. 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.
- Chemical Resistant Grey for Alkaline Applications.
- 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, Ie=32 for 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
- NOTE: RG models use purple knobs to represent the pH scale.



Cleaning Guide:

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Heavy Duty Switch Terminals



2 Pole



3 Pole



Certification Number:
BUSW220RG, BUSW310RG, BUSW320RG: GMA-519971
BUSW232RG, BUSW332RG, BUSW340RG, BUSW363RG: GMA-520240

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BUSW210RG
BUSW220RG
BUSW232RG
BUSW310RG
BUSW320RG
BUSW332RG
BUSW363RG

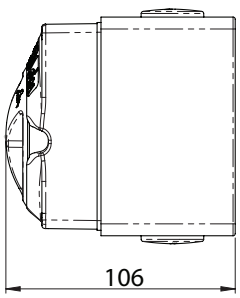
See current catalogue for further detail

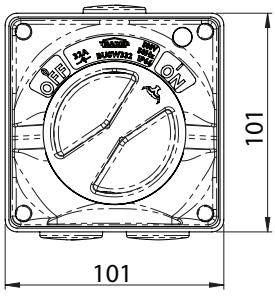
IP66 Heavy Duty Switches / Switch Disconnectors

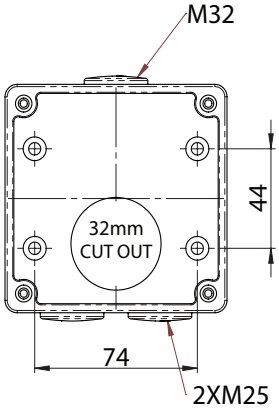
Configuration (Ratings to IEC60947-3/AS 60947-3 and AS/NZS 3133)		Cat No.	Rated Thermal Current Ith	AC23 Rating (Ue:500V~) (Ie=(A))	Motor M Rating (A)	Minimum Conductor Size (mm^2)	Maximum Conductor Size (mm^2)	Symbol
2 Pole	Rated Operational Voltage Ue (50Hz):500V~ Rated Insulation Voltage Ui (~50Hz):690V Rated Short Time Withstand Icw: 1.26kA/1s Rated impulse withstand voltage Uimp (kV): 4.0kV Rated short circuit making capacity Icm (28.4Ie): 1.789kA Uninterrupted Duty	BUSW210RG	10	10	200	2.5	16	
		BUSW220RG	20	20	200	2.5	16	
		BUSW232RG	32	32	200	6	16	
3 Pole	Rated Operational Voltage Ue (50Hz):500V~ Rated Insulation Voltage Ui (~50Hz):690V Rated Short Time Withstand Icw: 1.26kA/1s Rated impulse withstand voltage Uimp (kV): 4.0kV Rated short circuit making capacity Icm (28.4Ie): 1.789kA Uninterrupted Duty	BUSW310RG	10	10	200	2.5	16	
		BUSW320RG	20	20	200	2.5	16	
		BUSW332RG	32	32	200	6	16	
		BUSW363RG	63	50	200	16	25	

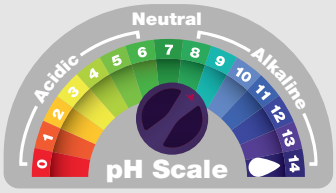
When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSW210RGLE"











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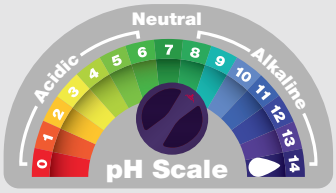
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BUSO310RG
BUSO315RG
BUSO320FRG
BUSO320RG
BUSO332RG
BUSO410RG
BUSO420RG
BUSO432RG
BUSO440RG
BUSO450RG
BUSO510RG
BUSO520RG
BUSO532RG
BUSO540RG
BUSO550RG

See current catalogue for further detail



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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

Chemical Resistant Grey for Alkaline Applications.

Pin & Volt	Cat No.	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Enclosure	Minimum Conductor Size (mm^2)	Maximum Conductor Size (mm^2)	Buffalo Matching Plug
3 Pin 250V~	BUSO310RG	10	3 Flat	A	BUBB1GRO	1.5	6	BUP310RG
	BUSO315RG	15	3 Flat	B	BUBB1GRO	2.5	6	BUP315RG
	BUSO320FRG	20	3 Flat	E	BUBB1GRO	2.5	6	BUP320FRG
	BUSO320RG	20	3 Round	G	BUBB1GRO	2.5	6	BUP320RG / BUPA320RG
	BUSO332RG	32	3 Round	H	BUBB1GRO	6	16	BUP332RG / BUPA332RG
4 Pin 500V~	BUSO410RG	10	4 Round	I	BUBB1GRO	2.5	6	BUP410RG / BUPA410RG
	BUSO420RG	20	4 Round	J	BUBB1GRO	2.5	6	BUP420RG / BUPA420RG
	BUSO432RG	32	4 Round	K	BUBB1GRO	6	16	BUP432RG / BUPA432RG
	BUSO440RG	40	4 Round	L	BUBB1GRO	6	16	BUP440RG / BUPA440RG
	BUSO450RG	50	4 Round	M	BUBB1GRO	6	16	BUP450RG/ BUPA450RG
5 Pin 500V~	BUSO510RG	10	5 Round	N	BUBB1GRO	2.5	6	BUP510RG / BUPA510RG
	BUSO520RG	20	5 Round	O	BUBB1GRO	2.5	6	BUP520RG / BUPA520RG
	BUSO532RG	32	5 Round	P	BUBB1GRO	6	16	BUP532RG / BUPA532RG
	BUSO540RG	40	5 Round	Q	BUBB1GRO	6	16	BUP540RG / BUPA540RG
	BUSO550RG	50	5 Round	R	BUBB1GRO	6	16	BUP550RG / BUPA550RG

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BUSO310RGLE"

Certification Number:
GMA-513501-EA
GMA-520261

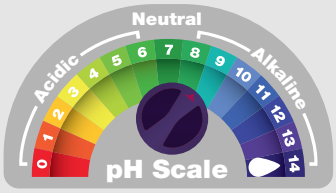
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BUSO310RG
BUSO315RG
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BUSO410RG
BUSO420RG
BUSO432RG
BUSO440RG
BUSO450RG
BUSO510RG
BUSO520RG
BUSO532RG
BUSO540RG
BUSO550RG

See current catalogue for further detail



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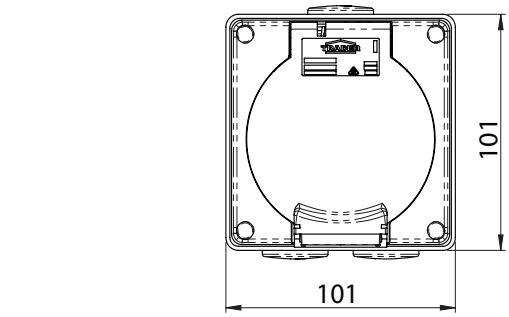
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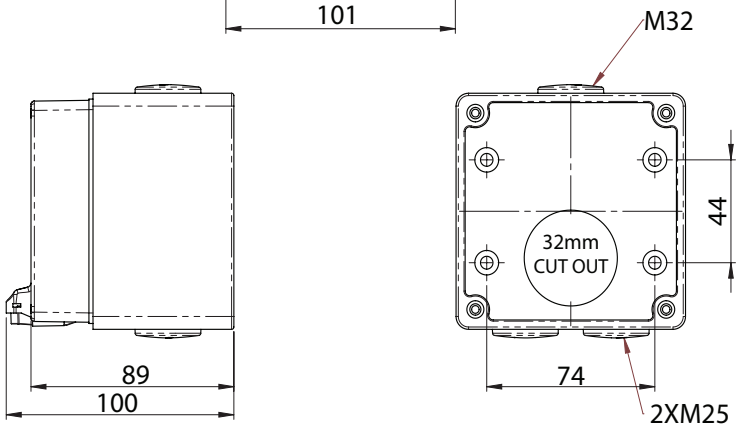
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Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.



IP66 Heavy Duty Sockets

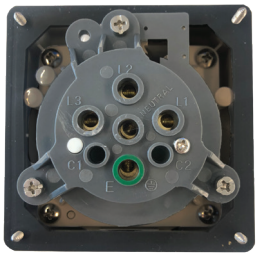




Heavy Duty Socket Terminals



Small Single Phase
Flat pin
10A to 20A



Size 1
Single/Three Phase
10A - 20A



Size 2
Single/Three Phase
32A - 50A

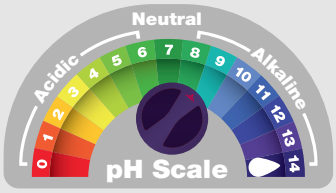
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BUEXSO310RG
BUEXSO315RG
BUEXSO320FRG
BUEXSO320RG
BUEXSO332RG
BUEXSO410RG
BUEXSO420RG
BUEXSO432RG
BUEXSO440RG
BUEXSO450RG
BUEXSO510RG
BUEXSO520RG
BUEXSO532RG
BUEXSO540RG
BUEXSO550RG

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.

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.
- Chemical Resistant Grey for Alkaline Applications.
- 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 ø 6-12mm
  Size 1 Extension Sockets 10A and 20A accept cables from ø 12-16mm
  Size 2 Extension Sockets 32A, 40A and 50A accept cables from ø 11-16mm
- NOTE: RG models use purple thread rings and lock glands to represent the pH scale.

Pin & Volt	*Cat No. Extension Sockets	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Terminal Size	Maximum Conductor Size (mm^2)	Minimum Cable Diameter (mm2)	Maximum Cable Diameter (mm2)	Gland Nut Thread (mm)	Matching Plug Straight / Angled
3 Pin 250V~	BUEXSO310RG	10	3 Flat	A	2.4 x 4.5	6	6	12	M20 x 1.5	BUP310RG
	BUEXSO315RG	15	3 Flat	B	2.4 x 4.5	6	6	12	M20 x 1.5	BUP315RG
	BUEXSO320FRG	20	3 Flat	E	2.4 x 4.5	6	6	12	M20 x 1.5	BUP320FRG
	BUEXSO320RG	20	3 Round	G	ø4.6	6	12	16	M25 x 1.5	BUP320RG / BUPA320RG
	BUEXSO332RG	32	3 Round	H	ø6	16	11	16	M37 x 1.5	BUP332RG / BUPA332RG
4 Pin 500V~	BUEXSO410RG	10	4 Round	I	ø4.6	6	12	16	M25 x 1.5	BUP410RG / BUPA410RG
	BUEXSO420RG	20	4 Round	J	ø4.6	6	12	16	M25 x 1.5	BUP420RG / BUPA420RG
	BUEXSO432RG	32	4 Round	K	ø 6	16	11	16	M37 x 1.5	BUP432RG / BUPA432RG
	BUEXSO440RG	40	4 Round	L	ø 6	16	11	16	M37 x 1.5	BUP440RG / BUPA440RG
	BUEXSO450RG	50	4 Round	M	ø 6	16	11	16	M37 x 1.5	BUP450RG / BUPA450RG
5 Pin 500V~	BUEXSO510RG	10	5 Round	N	ø4.6	6	12	16	M25 x 1.5	BUP510RG / BUPA510RG
	BUEXSO520RG	20	5 Round	O	ø4.6	6	12	16	M25 x 1.5	BUP520RG / BUPA520RG
	BUEXSO532RG	32	5 Round	P	ø 6	16	11	16	M37 x 1.5	BUP532RG / BUPA532RG
	BUEXSO540RG	40	5 Round	Q	ø 6	16	11	16	M37 x 1.5	BUP540RG / BUPA540RG
	BUEXSO550RG	50	5 Round	R	ø 6	16	11	16	M37 x 1.5	BUP550RG / BUPA550RG

All products accept 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:
BUESXO320RG, BUESXO332RG, BUESXO410RG, BUESXO420RG, BUESXO432RG BUESXO440RG, BUESXO450RG, BUESXO510RG, BUESXO520RG, BUESXO532RG, BUESXO540RG,
BUESXO550RG: GMA-527928
BUEXSO310RG, BUESXO315RG, BUESXO320FRG: GMA-527862-EA

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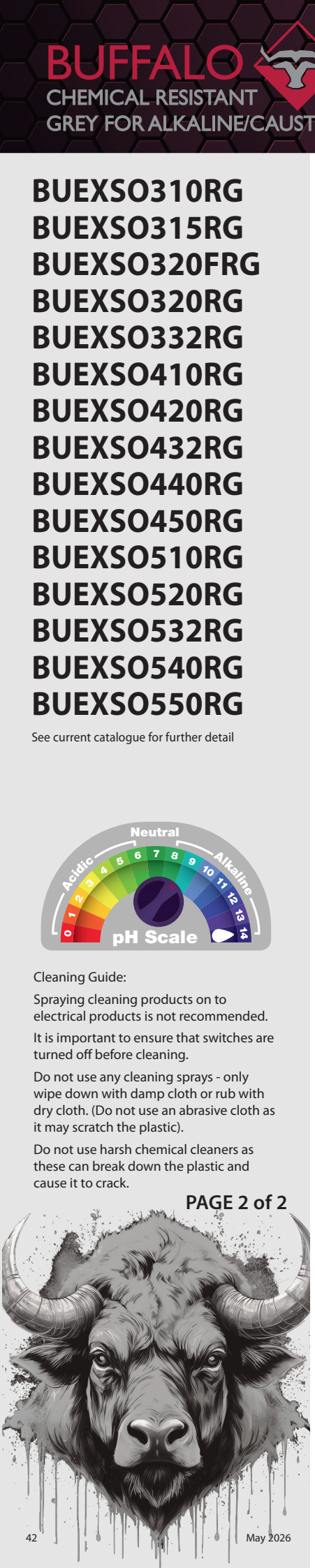




IP66 Extension Sockets

BUEXSO310RG
BUEXSO315RG
BUEXSO320FRG
BUEXSO320RG
BUEXSO332RG
BUEXSO410RG
BUEXSO420RG
BUEXSO432RG
BUEXSO440RG
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BUEXSO510RG
BUEXSO520RG
BUEXSO532RG
BUEXSO540RG
BUEXSO550RG

See current catalogue for further detail



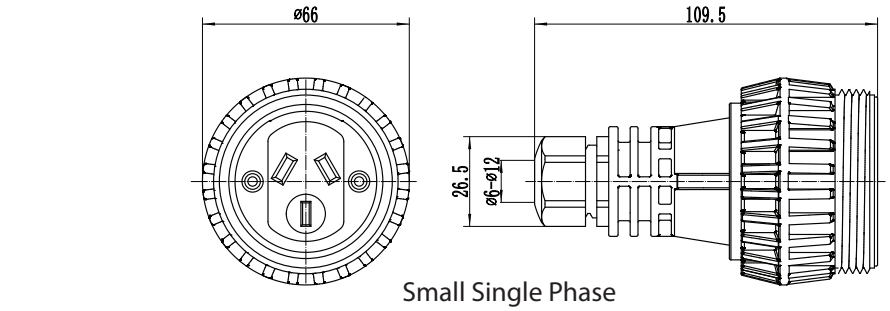
Cleaning Guide:

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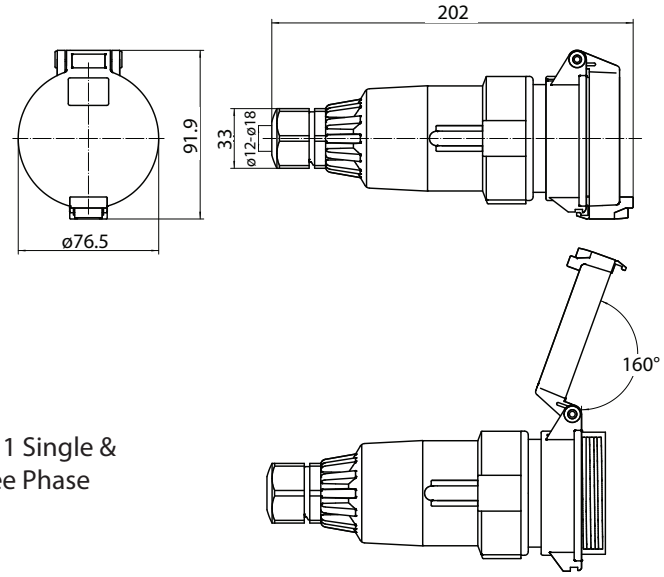
It is important to ensure that switches are turned off before cleaning.

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).

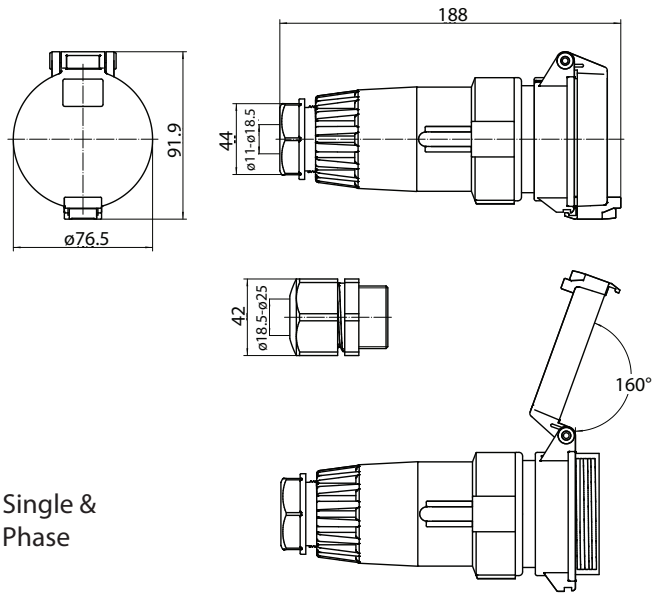
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Small Single Phase



Size 1 Single &
Three Phase



Size 2 Single &
Three Phase

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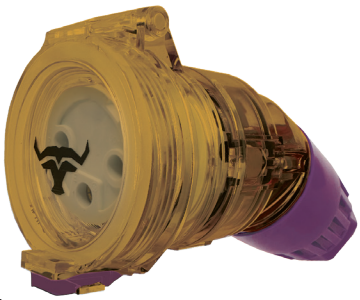




BUEXSOA320RG
BUEXSOA332RG
BUEXSOA410RG
BUEXSOA420RG
BUEXSOA432RG
BUEXSOA440RG
BUEXSOA450RG
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BUEXSOA540RG
BUEXSOA550RG

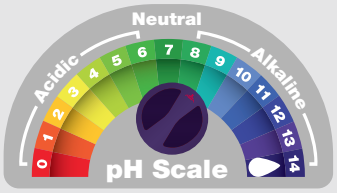
See current catalogue for further detail

IP66 Extension Angled Sockets



- 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.
- 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.
- Chemical Resistant Grey for Alkaline Applications.
- 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 ø 6-12mm
  Size 1 Extension Sockets 10A and 20A accept cables from ø 12-16mm
  Size 2 Extension Sockets 32A, 40A and 50A accept cables from ø 11-16mm
- NOTE: RG models use purple thread rings and lock glands to represent the pH scale.

Pin & Volt	*Cat No. Extension Sockets	Current Rating (A)	Pin Config	Pin Config Code (Table 1)	Terminal Size	Maximum Conductor Size (mm^2)	Minimum Cable Diameter (mm2)	Maximum Cable Diameter (mm2)	Gland Nut Thread (mm)	Matching Plug Straight / Angled
3 Pin 250V~	BUEXSOA320RG	20	3 Round	G	ø4.6	6	12	16	M25 x 1.5	BUP320RG/ BUPA320RG
	BUEXSOA332RG	32	3 Round	H	ø6	16	11	16	M37 x 1.5	BUP332G/ BUPA332RG
4 Pin 500V~	BUEXSOA410RG	10	4 Round	I	ø4.6	6	12	16	M25 x 1.5	BUP410RG/ BUPA410RG
	BUEXSOA420RG	20	4 Round	J	ø4.6	6	12	16	M25 x 1.5	BUP420RG/ BUPA420RG
	BUEXSOA432RG	32	4 Round	K	ø 6	16	11	16	M37 x 1.5	BUP432RG/ BUPA432RG
	BUEXSOA440RG	40	4 Round	L	ø 6	16	11	16	M37 x 1.5	BUP440RG/ BUPA440RG
	BUEXSOA450RG	50	4 Round	M	ø 6	16	11	16	M37 x 1.5	BUP450RG/ BUPA450RG
5 Pin 500V~	BUEXSOA510RG	10	5 Round	N	ø4.6	6	12	16	M25 x 1.5	BUP510RG/ BUPA510RG
	BUEXSOA520RG	20	5 Round	O	ø4.6	6	12	16	M25 x 1.5	BUP520RG/ BUPA520RG
	BUEXSOA532RG	32	5 Round	P	ø 6	16	11	16	M37 x 1.5	BUP532RG/ BUPA532RG
	BUEXSOA540RG	40	5 Round	Q	ø 6	16	11	16	M37 x 1.5	BUP540RG/ BUPA540RG
	BUEXSOA550RG	50	5 Round	R	ø 6	16	11	16	M37 x 1.5	BUP550RG/ BUPA550RG



Cleaning Guide:

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

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

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

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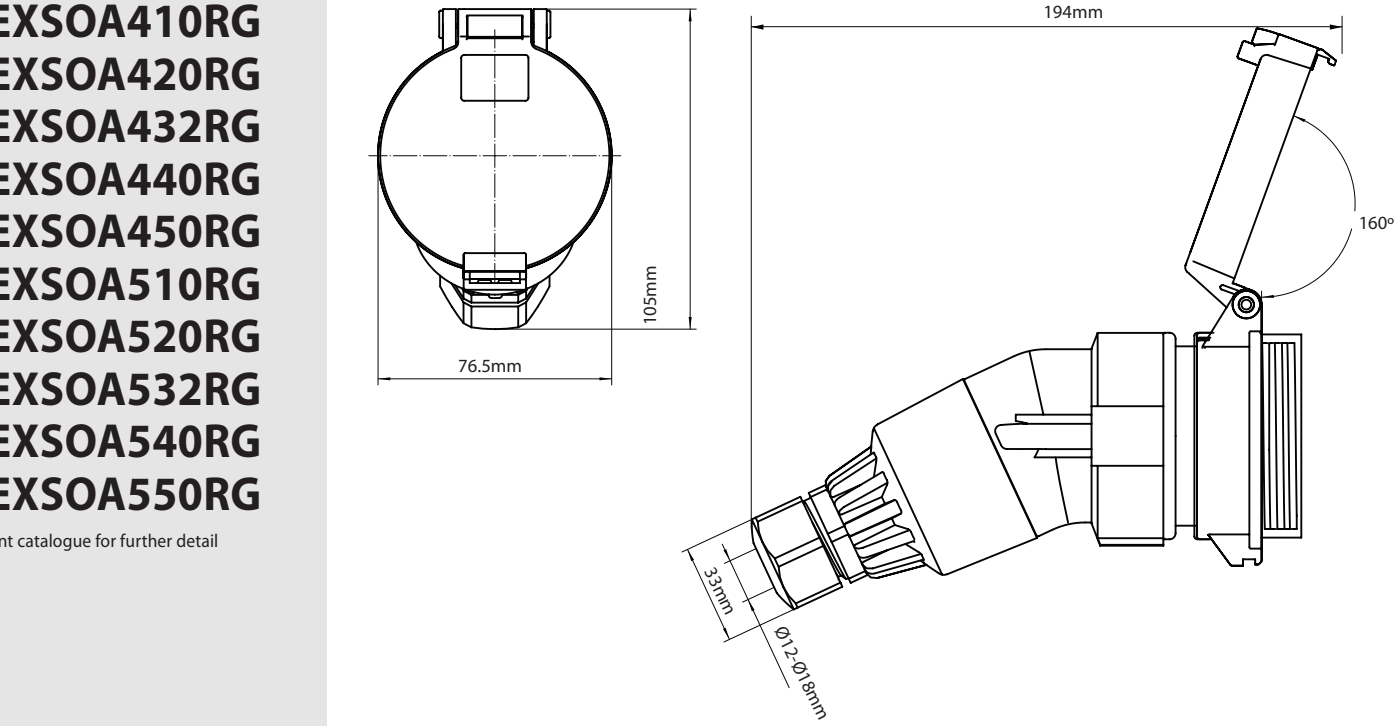
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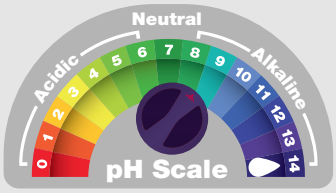
IP66 Extension Angled Sockets

BUEXSOA320RG
BUEXSOA332RG
BUEXSOA410RG
BUEXSOA420RG
BUEXSOA432RG
BUEXSOA440RG
BUEXSOA450RG
BUEXSOA510RG
BUEXSOA520RG
BUEXSOA532RG
BUEXSOA540RG
BUEXSOA550RG

See current catalogue for further detail



Size 1 Single &
Three Phase



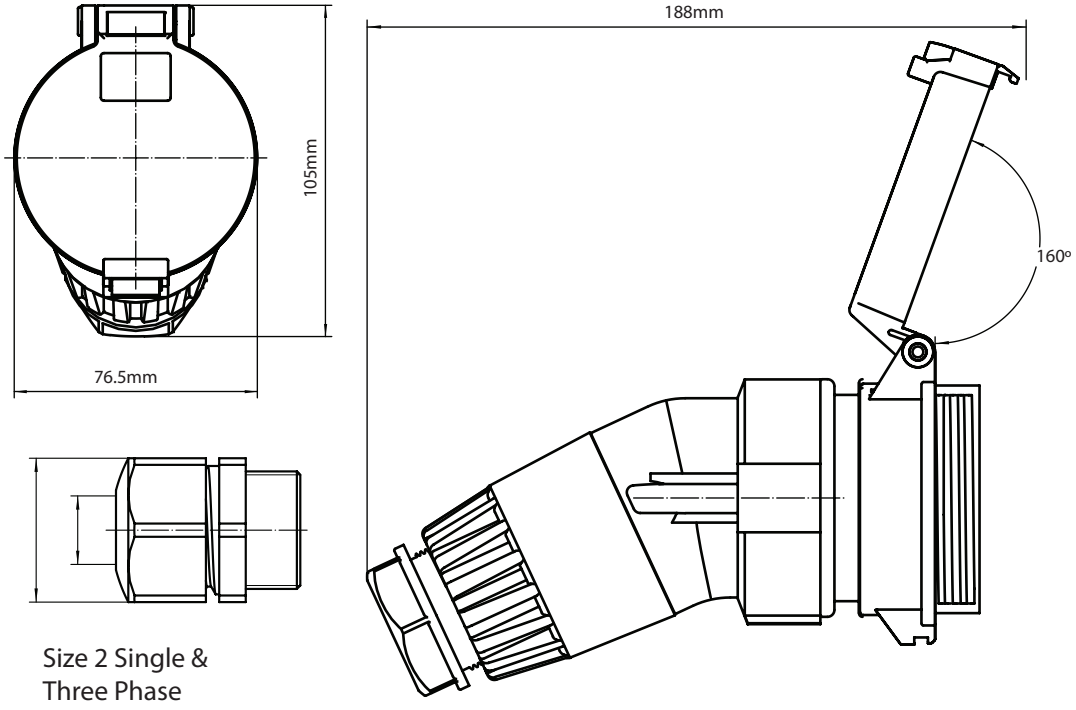
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Size 2 Single &
Three Phase

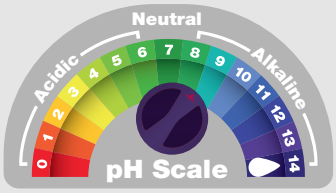
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BUP310RG
BUP310LRG
BUP315RG
BUP320FRG
BUP320RG
BUP332RG
BUP410RG
BUP420RG
BUP432RG
BUP440RG
BUP450RG
BUP510RG
BUP520RG
BUP532RG
BUP540RG
BUP550RG
BUPA320RG
BUPA332RG
BUPA410RG
BUPA420RG
BUPA432RG
BUPA440RG
BUPA450RG
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BUPA532RG
BUPA540RG
BUPA550RG

See current catalogue for further detail



Cleaning Guide:

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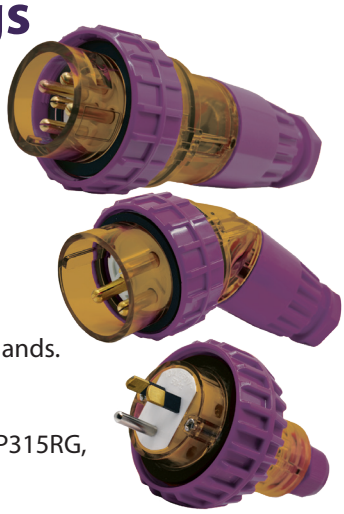
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Do not use harsh chemical cleaners as these can break down the plastic and cause it to crack.



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.
- Chemical Resistant Grey for Alkaline Applications.
- Insulated pins in accordance to AS/NZS3112 (BUP310RG, BUP315RG, BUP320FRG).
- 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 ø 6 - 12mm
  Size 1 Extension Sockets 10A and 20A accept cables from ø 12 - 16mm
  Size 2 Extension Sockets 32A, 40A and 50A accept cables from ø 11 - 16mm
- NOTE: RG models use purple thread rings and lock glands to represent the pH scale.

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^2)	Minimum Cable Diameter (mm^2)	Maximum Cable Diameter (mm^2)	Gland Nut Thread (mm)	Matching Socket/ Combination
3 Pin 250V~	BUP310RG	N/A	10	3 Flat	A	3.0	1.5HD	6	12	M20 x 1.5	BUSO310RG / BUC310RG
	BUP310LRG	N/A	10	2 Flat 1 Round	C	3.0	1.5HD	6	12	M20 x 1.5	
	BUP315RG	N/A	15	3 Flat	B	3.0	1.5HD	6	12	M20 x 1.5	BUSO315RG / BUC315RG
	BUP320FRG	N/A	20	3 Flat	E	3.0	1.5HD	6	12	M20 x 1.5	BUSO320fRG / BUC320FRG
	BUP320RG	BUPA320RG	20	3 Round	G	4.1	10	12	16	M25 x 1.5	BUSO320RG / BUC320RG
	BUP332RG	BUPA332RG	32	3 Round	H	4.1	10	11	16	M37 x 1.5	BUSO332RG / BUC332RG
4 Pin 500V~	BUP410RG	BUPA410RG	10	4 Round	I	4.1	10	12	16	M25 x 1.5	BUSO410RG / BU410RG
	BUP420RG	BUPA420RG	20	4 Round	J	4.1	10	12	16	M25 x 1.5	BUSO420RG / BUC420RG
	BUP432RG	BUPA432RG	32	4 Round	K	4.1	10	11	16	M37 x 1.5	BUSO432RG / BUC432RG
	BUP440RG	BUPA440RG	40	4 Round	L	4.1	10	11	16	M37 x 1.5	BUSO440RG / BUC440RG
	BUP450RG	BUPA450RG	50	4 Round	M	4.1	10	11	16	M37 x 1.5	BUSO450RG / BUC450RG
5 Pin 500V~	BUP510RG	BUPA510RG	10	5 Round	N	4.1	10	12	16	M25 x 1.5	BUSO510RG / BUC510RG
	BUP520RG	BUPA520RG	20	5 Round	O	4.1	10	12	16	M25 x 1.5	BUSO520RG / BUC520G
	BUP532RG	BUPA532RG	32	5 Round	P	4.1	10	11	16	M37 x 1.5	BUSO532RG / BUC532RG
	BUP540RG	BUPA540RG	40	5 Round	Q	4.1	10	11	16	M37 x 1.5	BUSO540RG / BUC540RG
	BUP550G	BUPA550RG	50	5 Round	R	4.1	10	11	16	M37 x 1.5	BUSO550RG / BUC550RG

Certification Number:
BUP310RG, BUP315RG, BUP320FRG: GMA-520081-EA
BUP320RG, BUP332RG, BUP410RG, BUP420RG, BUP432RG, BUP440RG, BUP440RG, BUP510RG, BUP520RG, BUP532RG, BUP540RG, BUP540RG, BUPA320RG, BUPA332RG, BUPA410RG, BUPA420RG, BUPA432RG, BUPA440RG, BUPA440RG, BUPA510RG, BUPA520RG, BUPA532RG, BUPA540RG, BUPA540RG: GMA-527969

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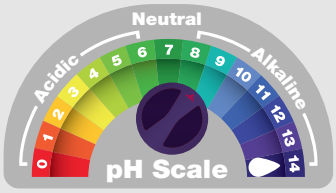




IP66 Straight & Angled Plugs

BUP310RG
BUP310LRG
BUP315RG
BUP320FRG
BUP320RG
BUP332RG
BUP410RG
BUP420RG
BUP432RG
BUP440RG
BUP450RG
BUP510RG
BUP520RG
BUP532RG
BUP540RG
BUP550RG
BUPA320RG
BUPA332RG
BUPA410RG
BUPA420RG
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BUPA510RG
BUPA520RG
BUPA532RG
BUPA540RG
BUPA550RG

See current catalogue for further detail



Cleaning Guide:

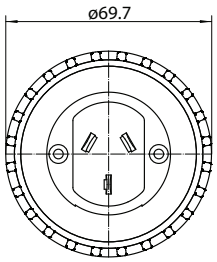
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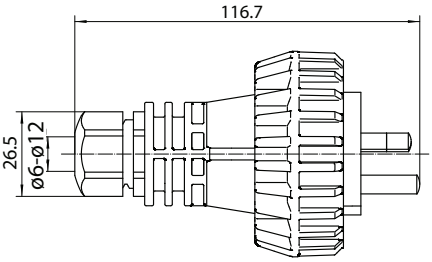
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Do not use any cleaning sprays - only wipe down with damp cloth or rub with dry cloth. (Do not use an abrasive cloth as it may scratch the plastic).

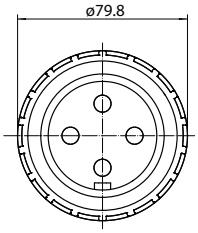
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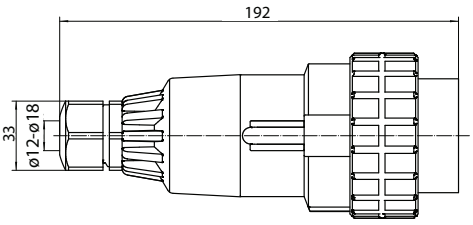




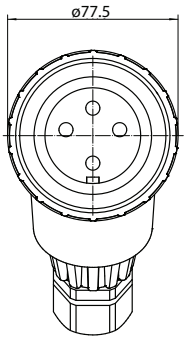


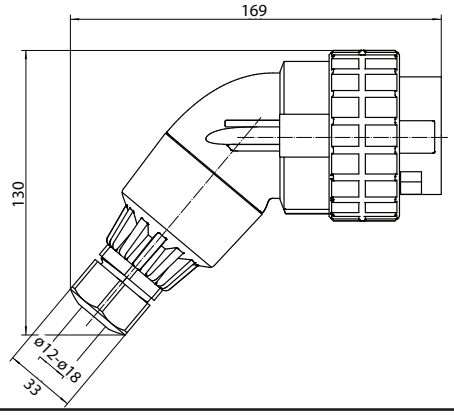
Small Single Phase

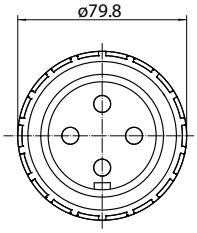


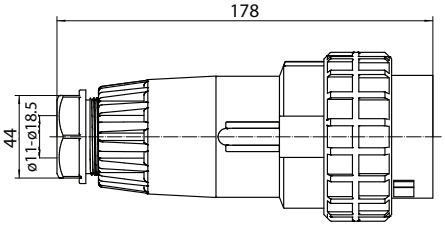


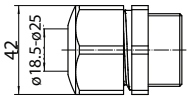
Size 1 Single & Three Phase



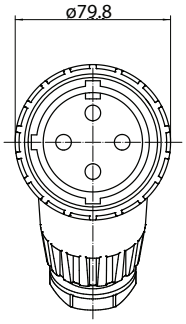


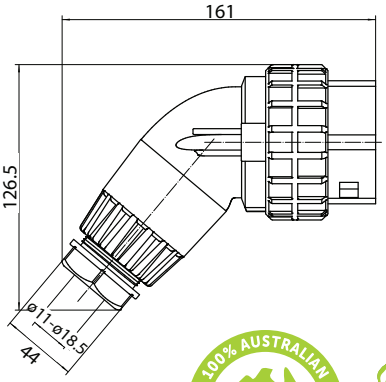






Size 2 Single & Three Phase



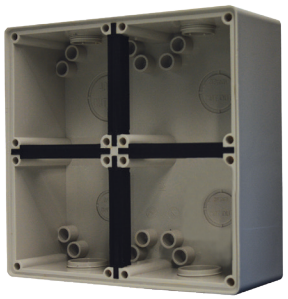


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BUBB1GSRG
BUBB1GRG
BUBB2GSRG
BUBB2GRG
BUBB4GRG
BUBRIDGE
BUBRIDGED

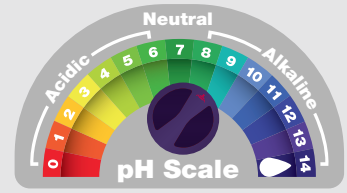
See current catalogue for further detail

Enclosures



- Manufactured in industrial grade resins.
- PVC Back Boxes and Conduit Plugs.
- UV Resistance.
- Chemical Resistant Grey for Alkaline Applications.
- Back Boxes supplied with Reducers and Screw Caps.
- Compatible with Buffalo Chemical Resistant Grey range including:
  BUL Lids, BUC Combinations & BUSW Switches
  Back Boxes 1, 2 & 4 Gang
  Shallow in 1 & 2 Gang
  Bridges provided 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.

Description	Cat No.	Height (mm)	Width (mm)	Length (mm)	Conduit Entries	Rear Cut-Outs dia.
Enclosure Back Box Shallow 1 Gang	BUBB1GSRG	37	101	101	2 x 20mm 1 x 25mm	1 x 20mm 1 x 25mm
Enclosure Back Box 1 Gang	BUBB1GRG	62	101	101	2 x 25mm 1x 32mm	1 x 32mm
Enclosure Back Box Shallow 2 Gang	BUBB2GSRG	38	101	198	2 x 20mm 1 x 25mm	2 x 20mm 2 x 25mm
Enclosure Back Box 2 Gang	BUBB2GRG	63	101	198	2 x 25mm 1 x 32mm	1x 25mm 1 x 32mm
Enclosure Back Box 4 Gang	BUBB4GRG	63	198	198	2 x 25mm 2 x 32mm	2 x 25mm 1 x 32mm 1 x 40mm
Bridge for BUBB Back Box Range	BUBRIDGE					
Bridge Divider for BUBB Back Box Range	BUBRIDGED					



Cleaning Guide:

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BUBRIDGE



BUBRIDGED

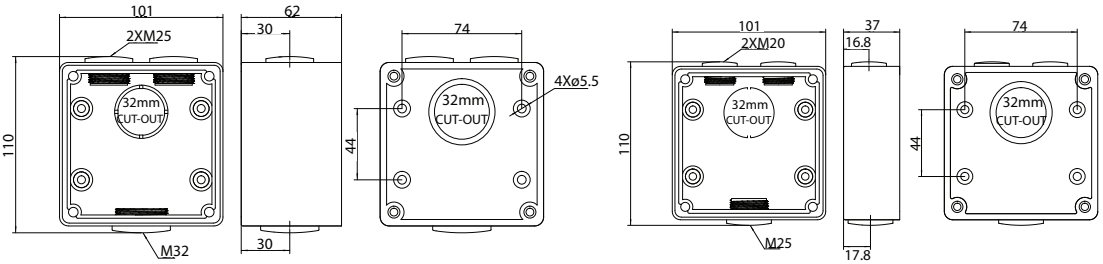


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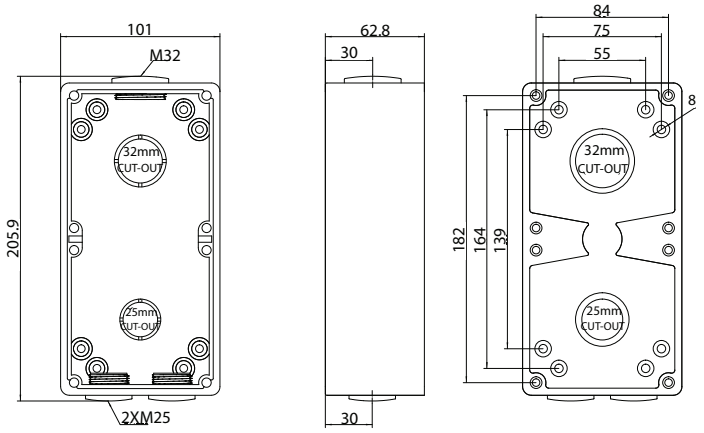
BUBB1GSRG
BUBB1GRG
BUBB2GSRG
BUBB2GRG
BUBB4GRG
BUBRIDGE
BUBRIDGED

See current catalogue for further detail

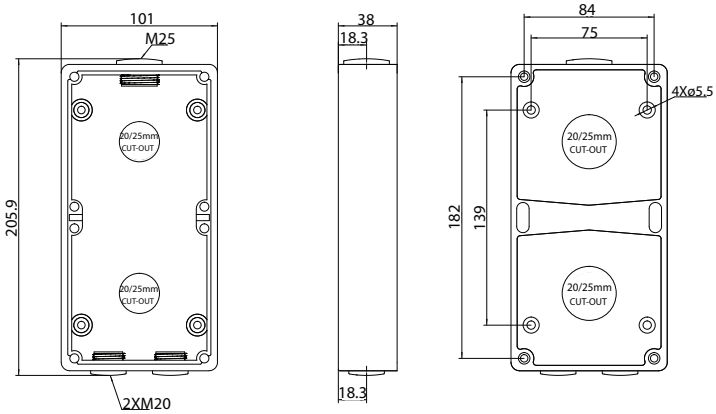
Enclosures



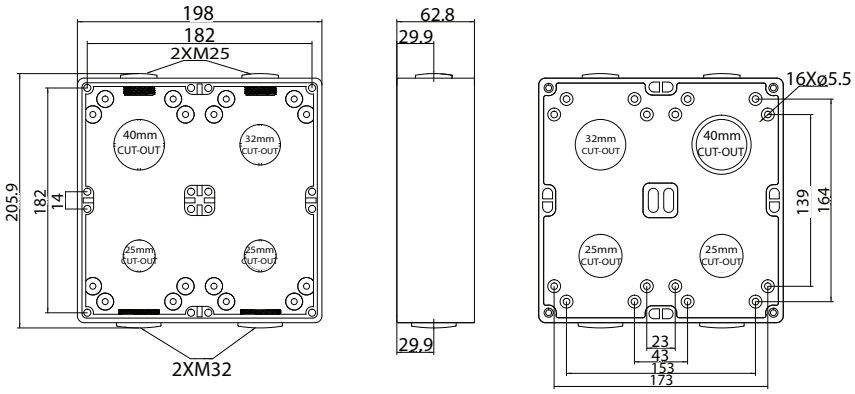
BUBB1GRG BUBB1GSRG



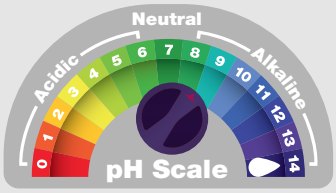
BUBB2GRG



BUBB2GSRG



BUBB4GRG



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BUL1RG
BUL2RG

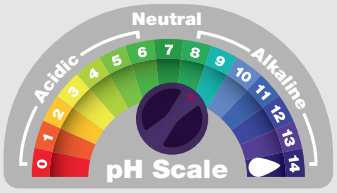
See current catalogue for further detail

Enclosure Lids

- Manufactured in industrial grade resins providing:
- UV Resistance.
- Chemical Resistant Grey for Alkaline Applications.
- Compatible with Buffalo previous & current ranges.
- Includes sealing gaskets, cover fixing screws and c over screw caps
- Installer Tip: Fix cover screws to maximum torque levels of 0.6Nm.



Cat No.	Description	Height (mm)	Width (mm)	Length (mm)
BUL1RG	Lid for 1 Gang Enclosures	28	95	95
BUL2RG	Lid for 2 Gang Enclosures	28	95	193



Cleaning Guide:

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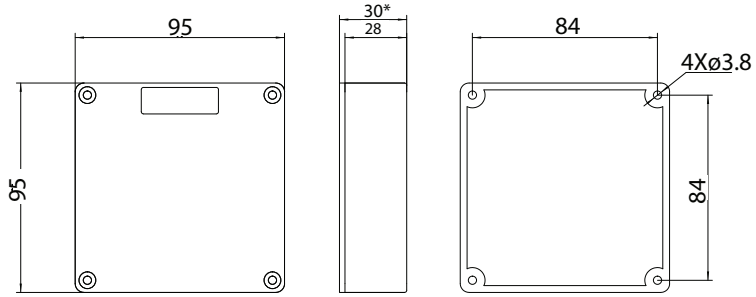
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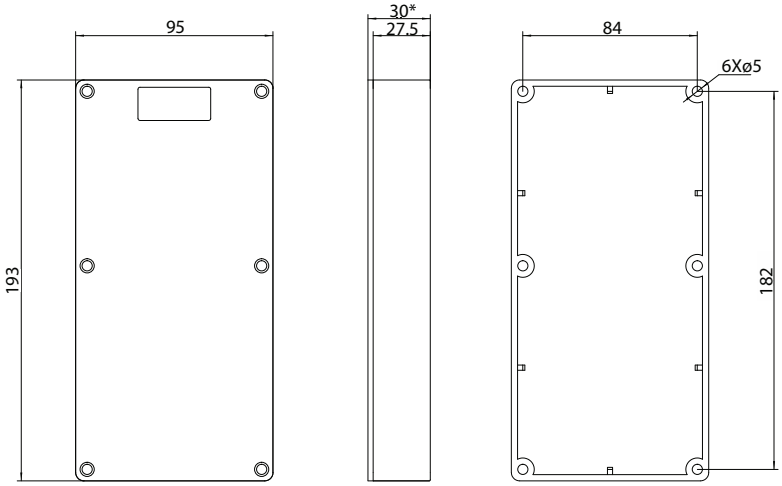
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BUL1RG



BUL2RG



*includes gasket

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BU4DINRG

See current catalogue for further detail

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.

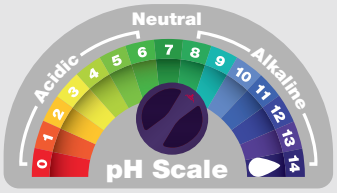
Cable length is suitable for wiring below the DIN rail and can reach easily into the lower section of switch gear installed into the enclosure.

Chemical Resistant Grey for Alkaline Applications.

Installer Tip: Fix cover screws to maximum torque levels of 0.6Nm.

Cat No.	Description	Poles	Conduit Entries
BU4DINRG	Enclosure DIN 4 Pole	4	2 x 25mm 1 x 32mm

When ordering LESS ENCLOSURE add "LE" at end of catalogue number, ie "BU2DINRGLE"



Cleaning Guide:

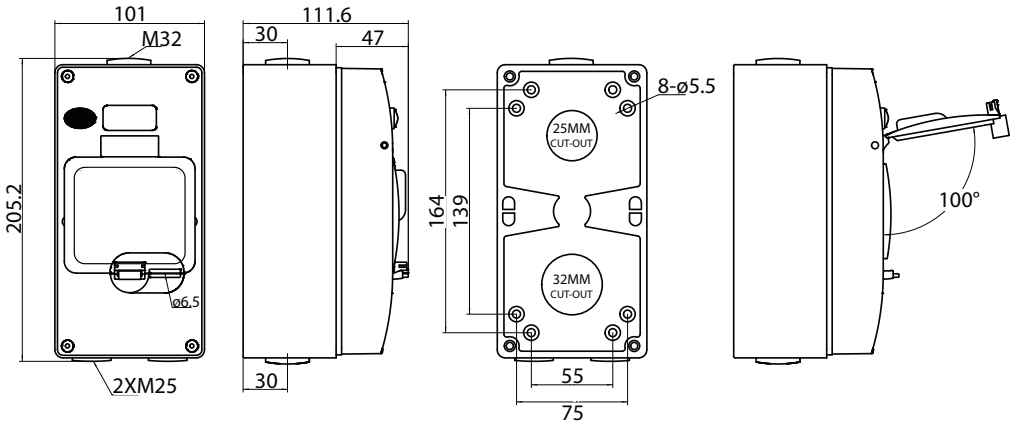
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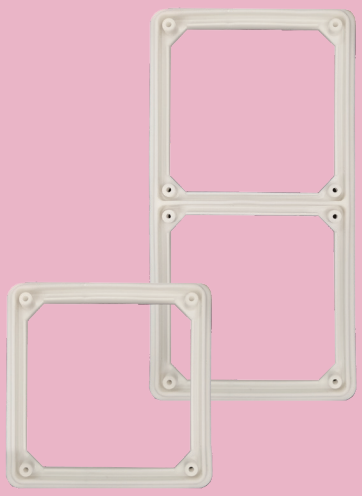




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BUHPG1G
BUHPG2G

See current catalogue for further detail



Buffalo High Pressure Gasket

- 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^{0}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.

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Catalogue Number	Description
BUHPG1G	Gasket Weatherproof High Pressure 1 Gang Cream for Buffalo Range
BUHPG2G	Gasket Weatherproof High Pressure 2 Gang Cream for Buffalo Range

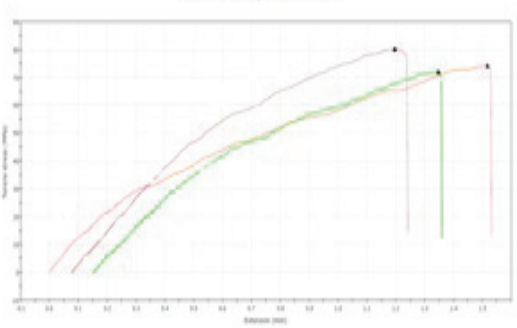
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Buffalo Chemical Range Research and development

The Buffalo Chemical range has undergone lengthy testing to ensure it meets suitable performance criteria in the intended environmental conditions and provide long trouble-free performance from chemical degradation. 3rd party laboratory testing to various chemicals commonly used in the environments such as food preparation and processing areas in accordance with ISO 22088-1 and ISO 22088-3 for determination of environmental stress cracking using specially produced test pieces complying with ISO 20753 (Plastic – test specimens).
Bent strips were tested at various stain levels and subjected to chemical exposure for extended periods in a controlled environment followed by ISO 527 tensile testing to determine property loss.









In addition to the laboratory testing, products were manufactured from the specific materials and placed in the environments for lengthy exposure testing of 12 months to determine their performance in the actual cleaning conditions. They were mounted in typical areas of food processing where wash downs occur to ensure the mouldings were correctly assessing and simulated when mounted with screws tightened to normal torque levels to apply compression on gaskets and stress on mouldings to assist in indicating any potential weaknesses that may need to be addressed.

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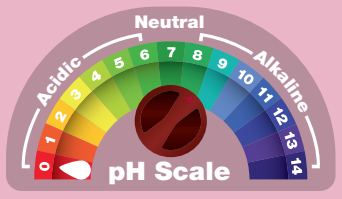


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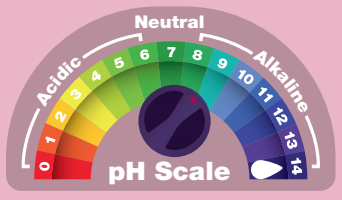
Buffalo Chemical Range Research and development







Resisitant Orange
& Resisitant White



Resistant Grey

The combination of material testing programs has provided valuable insight into areas of the industrial range that require fine tuning and adjustments for the materials needed to suit the different environmental conditions particularly for the caustic suitable applications but also the alternative materials for acidic situations. Through this work the team have been able to optimize the designs and material selection
to meet a wider range of applications for industry.
The format of the Buffalo Chemical Range has been developed to align with industry known colour coding and application where orange is used for the acid-based cleaning environments and a darker grey is used for the caustic cleaners.
Material selection is critical where the installation will be cleaned down using the chemical cleaners
and potentially remain on the surfaces of the electrical equipment, the wrong choice can be catastrophic and pose significant safety risks. It is extremely important when making product selection choices to understand the chemicals in use and how they will be applied.
One example of this, is a caustic foaming agent may be used to clean down walls and equipment, while
an acidic cleaner may be used to clean stainless steel fittings and hooks in the same area. They are
both used in the environment but the effect of the caustic foaming agent will more likely impact the electrical equipment so the material should be selected to suit as its residue may sit in crevices
or under the surfaces as it dries.
The Australian market has traditionally used the Orange colour in these types of products for acidic environments and darker grey for Caustic to help distinguish the different applications and limitations of performance.
Trader has followed this philosophy, however in addition have added the feature of knob and latch colour coding to align with the Litmus scale of colour coding for pH levels. Orange having a dark red knob and latch while grey contains the dark purple.
Following later in the program will be a resistant white in specific models where the applications in supermarkets and food presentation areas demand this appearance.
The product will also have the red knob and latch to align with acidic performance of the orange range application.

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