

Manufactured from quality moulding and metal components to ensure a secure and reliable connection, Bulgin's battery holder range caters for battery sizes AAA(R03), AA(R6), C(R14), D(R20) and PP3(6R61), accommodating 1, 2, 3 or 4 cells.



There's a choice of fixing styles including screw and flange panel fixing, PCB and base mounting versions.

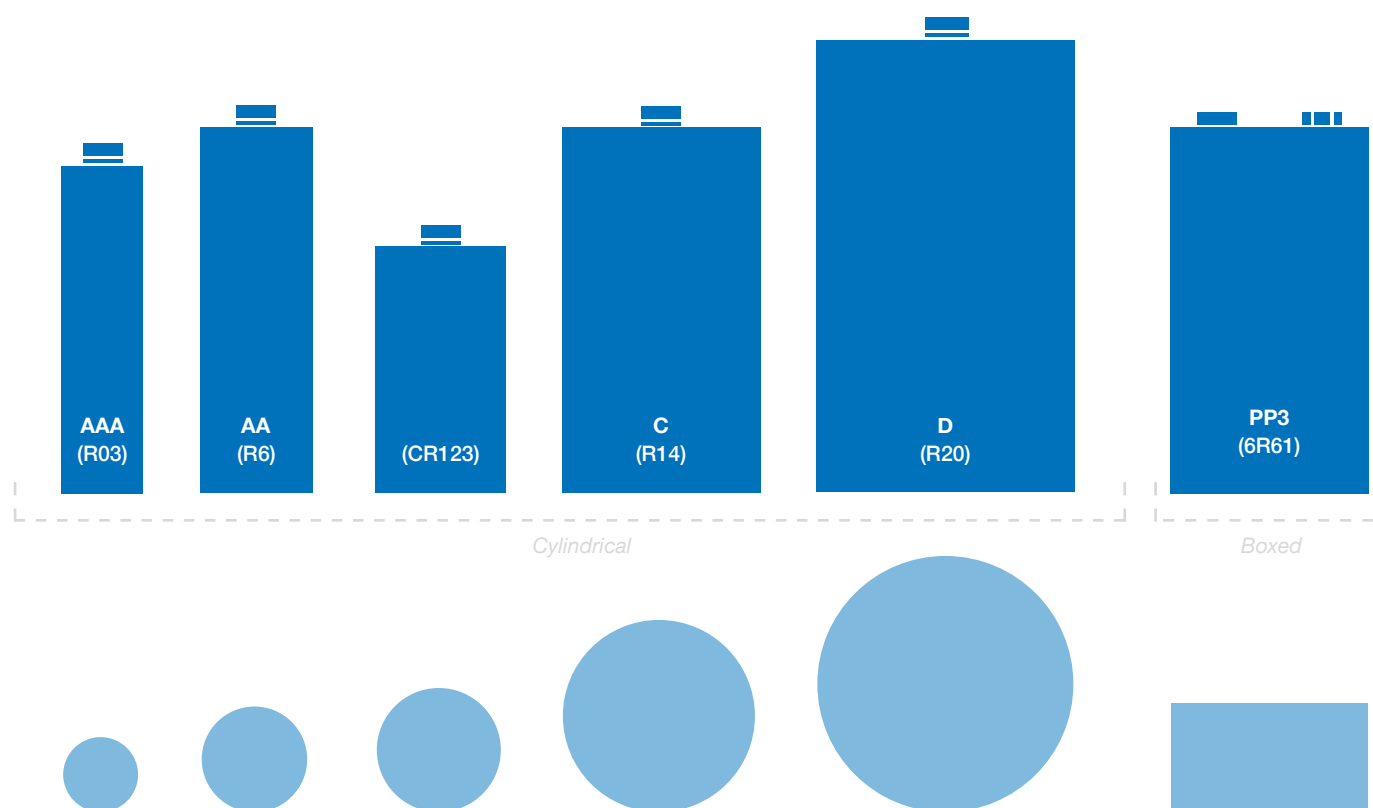
The panel mounting versions are now available in two styles; standard fixing and front panel sealed to IP67, extending the applications into harsher external environments where dust or water would inhibit equipment operation.

The open frame styles are designed to be either PCB or base mounted and most have an interlocking facility to join adjacent holders together.

Principle applications include portable equipment and memory back-up.

|                   |         |
|-------------------|---------|
| IP67 Sealed       | 233     |
| Panel Mounting    | 234-235 |
| PCB/Base Mounting | 236-237 |

| Battery size | Battery Dimensions    | No. of Cells | Mounting           | Part No.  |
|--------------|-----------------------|--------------|--------------------|-----------|
| AAA (R03)    | Ø10.5 x 44.5          | 1            | PCB/Base           | BX0034    |
| AA (R6)      | Ø14.5 x 50.5          | 1            | PCB/Base           | BX0035    |
|              |                       | 1            | Panel              | BX0011/1  |
|              |                       | 2            | Panel              | BX0012/1  |
|              |                       | 3            | Panel              | BX0013/1  |
|              |                       | 4            | Panel              | BX0027    |
|              |                       | 1            | Panel Sealed       | BXS011/1  |
|              |                       | 2            | Panel Sealed Panel | BXS012/1  |
|              |                       | 3            | Sealed             | BXS013/1  |
| CR123        | Ø17.0 x 34.5          | 1            | PCB/Base           | BX0123    |
| C (R14)      | Ø26.2 x 50            | 1            | PCB/Base           | BX0036    |
|              |                       | 1            | Panel              | BX0001/1  |
|              |                       | 2            | Panel              | BX0002/1  |
|              |                       | 3            | Panel              | BX0003/1  |
|              |                       | 1            | Panel Sealed       | BXS001/1  |
|              |                       | 2            | Panel Sealed       | BXS002/1  |
|              |                       | 3            | Panel Sealed       | BXS003/1  |
| D (R20)      | Ø34.2 x 61.5          | 1            | PCB/Base           | BX0037    |
|              |                       | 1            | Panel              | BX0016    |
|              |                       | 2            | Panel              | BX0017    |
|              |                       | 3            | Panel              | BX0018    |
|              |                       | 1            | Panel Sealed       | BXS016    |
|              |                       | 2            | Panel Sealed       | BXS017    |
|              |                       | 3            | Panel Sealed       | BXS018    |
| PP3 (6R61)   | W26.5 x D17.5 x H48.5 | 1            | PCB/Base           | BX0033    |
|              |                       | 1            | Panel              | BX0023    |
|              |                       | 1            | Panel              | BX0023/GY |
|              |                       | 2            | Panel              | BX0026    |



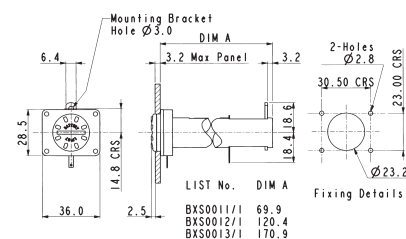
As batteries from different manufacturers may vary slightly in size, Dimensions & Drawings are approximate only.  
All Bulgin Battery Holders have polarity clearly marked.

#### AA SIZE BATTERY HOLDER



BXS011/1

- 1, 2 or 3 Cells
- Flanged Panel Mount
- Bayonet with finger/coin slot release
- Supplied with gasket and sealing grommets for screws

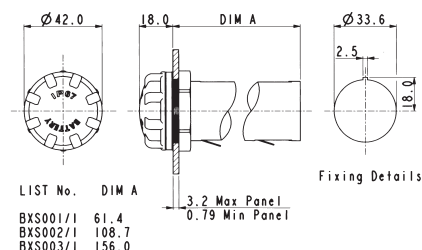


#### C SIZE BATTERY HOLDER



BXS001/1

- 1, 2 or 3 Cells
- Panel Mount
- Screw Cap/Hand release
- Supplied with gasket

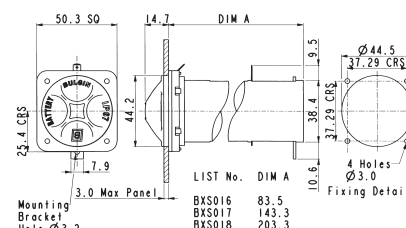


#### D SIZE BATTERY HOLDER



BXS016

- 1, 2 or 3 Cells
- Flanged Panel Mount
- Bayonet/finger release
- Supplied with flange gasket and sealing grommets for screws



#### Specification

#### BXS011/1, BXS012/1, BXS013/1

#### BXS001/1, BXS002/1, BXS003/1

#### BXS016, BXS017, BXS018

Battery/Cell Type:

AA (R6)

C (R14)

D (R20)

No. Cells:

BXS011/1 - 1 cell  
BXS012/1 - 2 cells  
BXS013/1 - 3 cells

BXS001/1 - 1 cell  
BXS002/1 - 2 cells  
BXS003/1 - 3 cells

BXS016 - 1 cell  
BXS017 - 2 cells  
BXS018 - 3 cells

Terminations:

2.8 series tabs/solder tags

2.8 series tabs/solder tags

4.8 series tabs/solder tags

Operating Temperature:

-30°C to +70°C

-30°C to +70°C

-30°C to +70°C

Mouldings:

Nylon  
Glass filled Polyester  
Polycarbonate

Nylon  
Glass filled Polyester

Nylon  
Glass filled Polyester

Flammability Rating:

UL94V-0

UL94V-0

UL94V-0

Contacts:

Brass, Tin Plated - rear contact  
Nickel Silver, clean - front contact  
and cap contact plate

Brass, Tin Plated - front and rear contacts  
Nickel Silver, clean - cap contact plate

Brass, Nickel Plated - front and rear  
contacts and cap contact plate

Features:

Bayonet cap with finger grip and  
coin slot  
Rear support bracket

Screw on cap with finger grip  
Recommended torque for panel ring  
1.13-1.7Nm (10-15lbf.in)

Bayonet cap with finger grip  
Rear support bracket

Sealing (front of panel):

Protection classification  
IP67, EN60529:1992+A2:2013

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IP67, EN60529:1992+A2:2013

Protection classification  
IP67, EN60529:1992+A2:2013

Notes:

Recommend 2 & 3 cell versions are  
supported by rear bracket

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RoHS

Compliant

Compliant

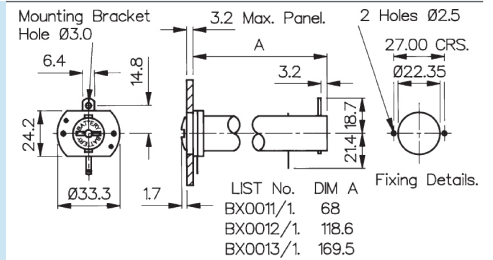
Compliant

#### AA SIZE BATTERY HOLDER

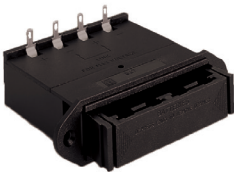


BX0011/1

- 1, 2 or 3 Cells
- Flanged Panel Mount
- Bayonet/Screwdriver release

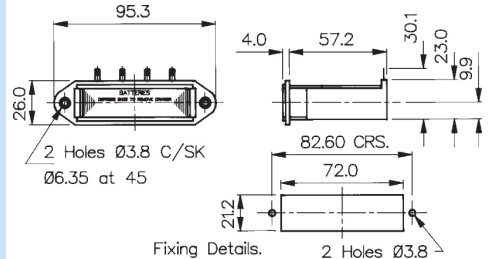


#### AA SIZE BATTERY HOLDER



BX0027

- 4 Cells
- Flanged Panel Mount
- Drawer function

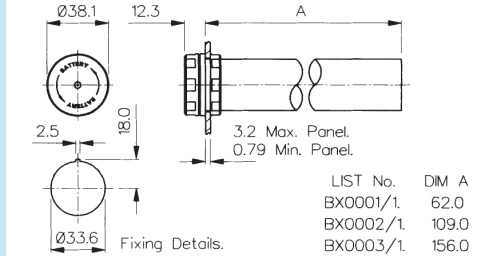


#### C SIZE BATTERY HOLDER



BX0001/1

- 1, 2 or 3 Cells
- Panel Mount
- Screw Cap/Hand release



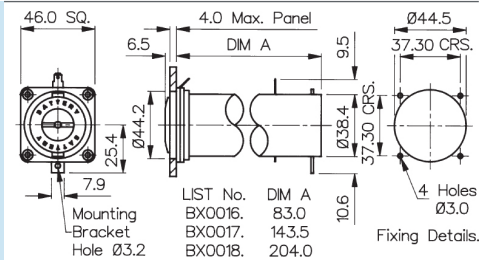
| Specification          | BX0011/1, BX0012/1, BX0013/1                                  | BX0027                                              | BX0001/1, BX0002/1, BX0003/1                                             |
|------------------------|---------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------|
| Battery/Cell Type:     | AA (R6)                                                       | AA (R6)                                             | C (R14)                                                                  |
| No. Cells:             | BX0011/1 - 1 cell<br>BX0012/1 - 2 cells<br>BX0013/1 - 3 cells | 4 cells                                             | BX0001/1 - 1 cell<br>BX0002/1 - 2 cells<br>BX0003/1 - 3 cells            |
| Terminations:          | 2.8 series tabs/solder tags                                   | 4 solder tags (can be wired in series or in pairs)  | 2.8 series tabs/solder tags                                              |
| Operating Temperature: | -30°C to +70°C                                                | -30°C to +70°C                                      | -30°C to +70°C                                                           |
| Flammability Rating:   | UL94V-0                                                       | UL94HB                                              | UL94V-0                                                                  |
| Mouldings:             | Glass Filled Nylon & Polyester                                | Glass Filled Nylon                                  | Nylon & Glass Filled Nylon                                               |
| Contacts:              | Brass, Tin Plated<br>Nickel Silver, clean                     | Phosphor Bronze, Tin Plated<br>Nickel Silver, clean | Nickel Silver, clean<br>Brass, Tin Plated                                |
| Features:              | Bayonet cap with coin slot<br>Rear support bracket            | Removable loading/latching drawer                   | Screw on cap. Recommended torque for panel ring 1.13-1.7Nm (10-15lbf.in) |
| Notes:                 | Recommend 2 & 3 cell versions are supported by rear bracket   |                                                     |                                                                          |
| RoHS                   | Compliant                                                     | Compliant                                           | Compliant                                                                |

#### D SIZE BATTERY HOLDER



BX0016

- 1, 2 or 3 Cells
- Flanged Panel Mount
- Bayonet/Screwdriver release

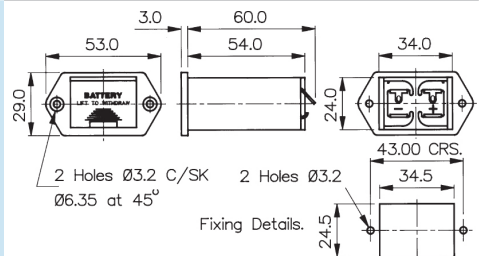


#### PP3 SIZE BATTERY HOLDER



BX0023  
BX0023/GY

- 1 Cell
- Flanged Panel Mount
- Drawer function
- Grey version available (BX0023/GY)

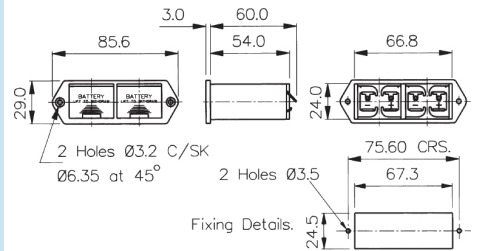


#### PP3 SIZE BATTERY HOLDER



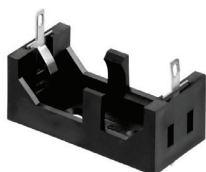
BX0026

- 2 Cell
- Panel Mount
- Screw Cap/Hand release



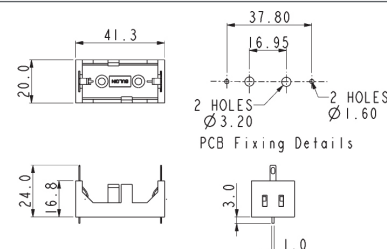
| Specification          | BX0016, BX0017, BX0018                                      | BX0023, BX0023/GY                                    | BX0026                      |
|------------------------|-------------------------------------------------------------|------------------------------------------------------|-----------------------------|
| Battery/Cell Type:     | D (R20)                                                     | PP3 (6R61)                                           | PP3 (6R61)                  |
| No. Cells:             | BX0016 - 1 cell<br>BX0017 - 2 cells<br>BX0018 - 3 cells     | BX0023 - 1 cell<br>BX0023/GY - 1 cell (grey version) | 2 cells                     |
| Terminations:          | 4.8 series tabs/solder tags                                 | Solder tag                                           | Solder tags                 |
| Operating Temperature: | -30°C to +70°C                                              | -30°C to +70°C                                       | -30°C to +70°C              |
| Flammability Rating:   | UL94V-0                                                     | UL94HB                                               | UL94HB                      |
| Mouldings:             | Nylon & Polycarbonate                                       | Glass Filled Nylon                                   | Glass Filled Nylon          |
| Contacts:              | Brass, Nickel Plated                                        | Phosphor Bronze, Tin Plated                          | Phosphor Bronze, Tin Plated |
| Features:              | Bayonet cap with coin slot<br>Rear support bracket          | Removable loading drawer                             | Removable loading drawer    |
| Notes:                 | Recommend 2 & 3 cell versions are supported by rear bracket |                                                      |                             |
| RoHS                   | Compliant                                                   | Compliant                                            | Compliant                   |

#### CR123 SIZE BATTERY HOLDER



BX0123

- 1 Cell
- PCB/Base Mount
- Open style

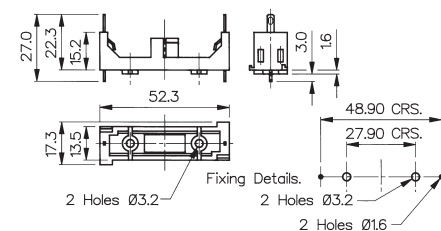


#### AAA SIZE BATTERY HOLDER



BX0034

- 1 Cell
- PCB/Base Mount
- Open style

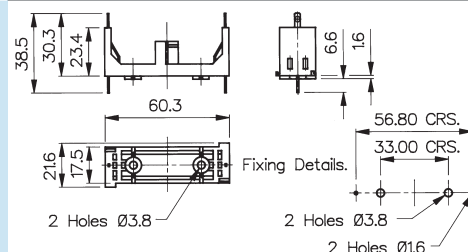


#### AA SIZE BATTERY HOLDER



BX0035

- 1 Cell
- PCB/Base Mount
- Open style



#### Specification

#### BX0123

#### BX0034

#### BX0035

Battery/Cell Type:

CR123

AAA (R03)

AA (R6)

No. Cells:

1 cell

1 cell

1 cell

Terminations:

Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required)

Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required)

Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required)

Operating Temperature:

-30°C to +70°C

-30°C to +70°C

-30°C to +70°C

Flammability Rating:

UL94HB

UL94HB

UL94HB

Mouldings:

Glass Filled Nylon

Glass Filled Nylon

Nylon & Glass Filled Nylon

Contacts:

Nickel Silver, clean

Nickel Silver, clean

Nickel Silver, clean

Features:

Interlocking for multiple assemblies

Interlocking for multiple assemblies

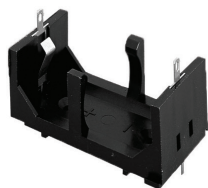
RoHS

Compliant

Compliant

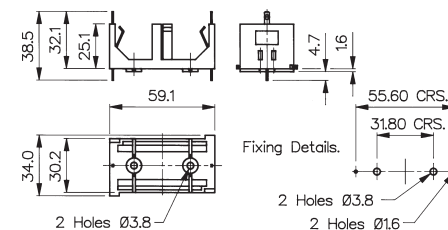
Compliant

#### C SIZE BATTERY HOLDER



BX0036

- 1 Cell
- PCB/Base Mount
- Open style

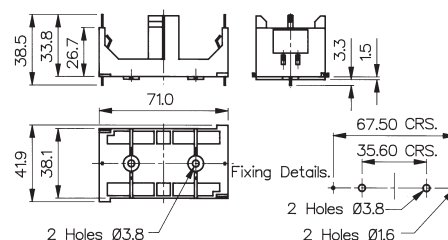


#### D SIZE BATTERY HOLDER



BX0037

- 1 Cell
- PCB/Base Mount
- Open style

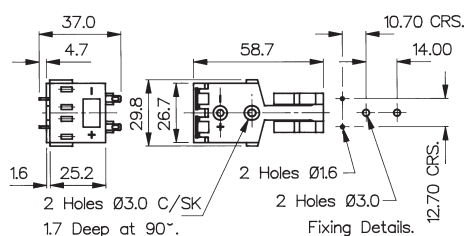


#### PP3 SIZE BATTERY HOLDER



BX0033

- 1 Cell
- PCB/Base Mount
- Open style



#### Specification

#### BX0036

#### BX0037

#### BX0033

Battery/Cell Type:

C (R14)

D (R20)

PP3 (6R61)

No. Cells:

1 cell

1 cell

1 cell

Terminations:

Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required)

Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required)

Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required)

Operating Temperature:

-30°C to +70°C

-30°C to +70°C

-30°C to +70°C

Flammability Rating:

UL94HB

UL94HB

UL94HB

Mouldings:

Glass Filled Nylon

Glass Filled Nylon

Nylon & Glass Filled Nylon

Contacts:

Nickel Silver, clean

Nickel Silver, clean

Nickel Silver, clean

Features:

Interlocking for multiple assemblies

Interlocking for multiple assemblies

Interlocking for multiple assemblies

RoHS

Compliant

Compliant

Compliant