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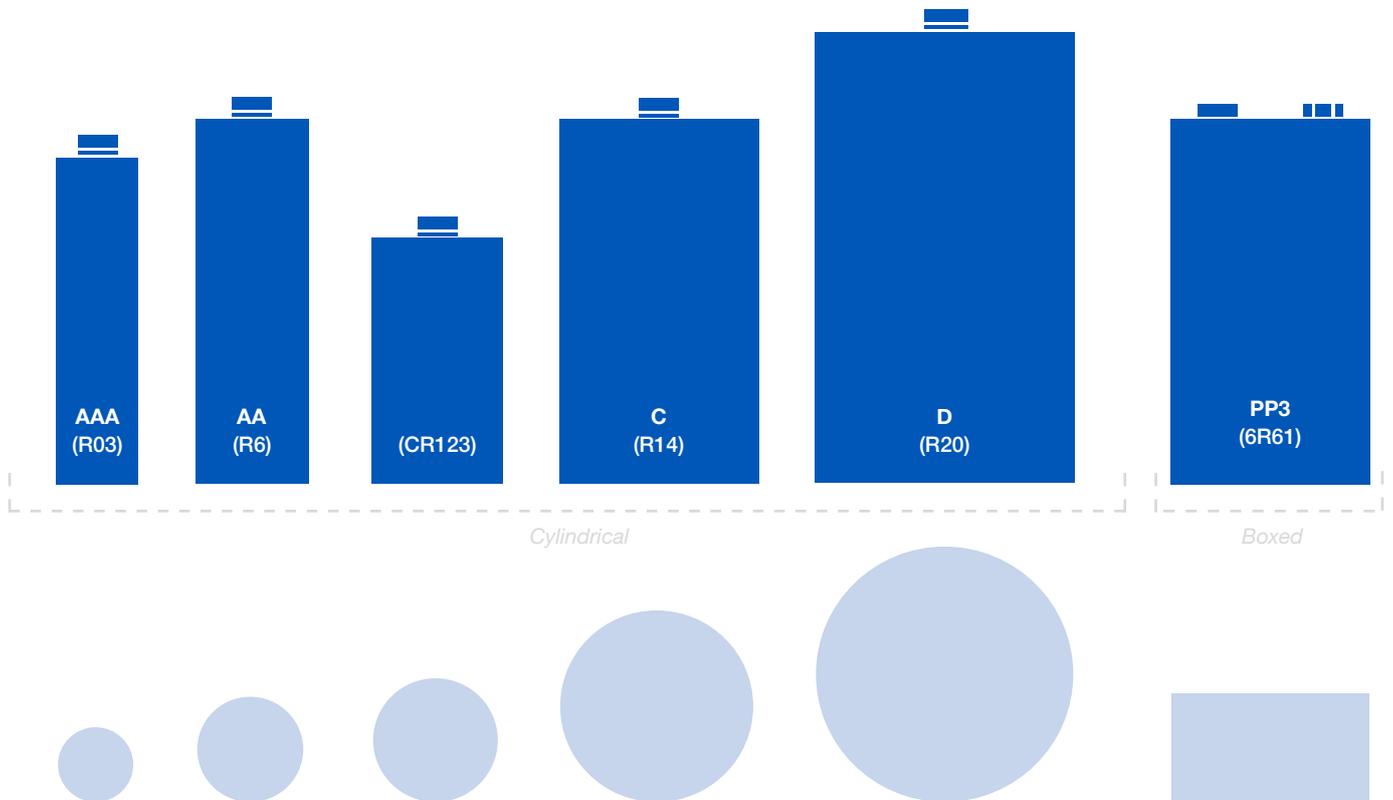
The panel mounting versions are now available in two styles; standard fixing and front panel sealed to IP67, extending the applications into harsher external environments where dust or water would inhibit equipment operation.

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.

| 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 |

| AAA | AA | | C | D | PP3 |
|---|---|---|---|---|---|
| (R03) | (R6) | (CR123) | (R14) | (R20) | (6R61) |

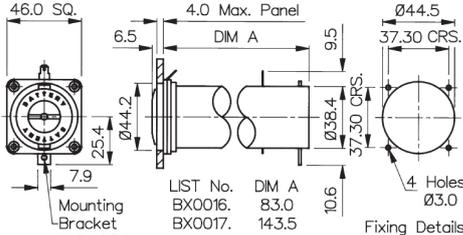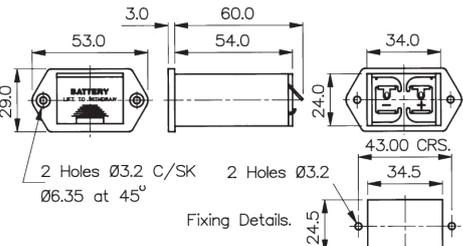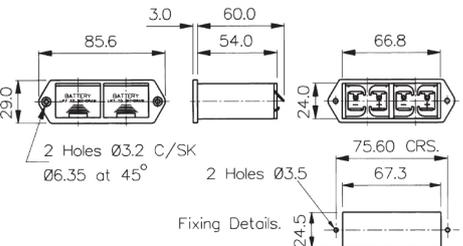*Cylindrical*                                                                 *Boxed*

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



- 1, 2 or 3 Cells
- Flanged Panel Mount
- Bayonet with finger/coin slot release
- Supplied with gasket and sealing grommets for screws
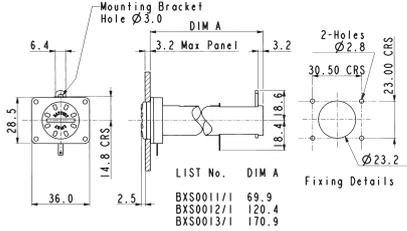
BXS011/1



| LIST No. | DIM A |
|---|---|
| BXS011/1 | 69.9 |
| BXS012/1 | 120.4 |
| BXS013/1 | 170.9 |

## C SIZE BATTERY HOLDER



- 1, 2 or 3 Cells
- Panel Mount
- Screw Cap/Hand release
- Supplied with gasket
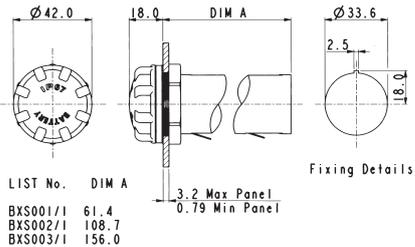
BXS001/1



| LIST No. | DIM A |
|---|---|
| BXS001/1 | 61.4 |
| BXS002/1 | 108.7 |
| BXS003/1 | 156.0 |

## D SIZE BATTERY HOLDER



- 1, 2 or 3 Cells
- Flanged Panel Mount
- Bayonet/finger release
- Supplied with flange gasket and sealing grommets for screws
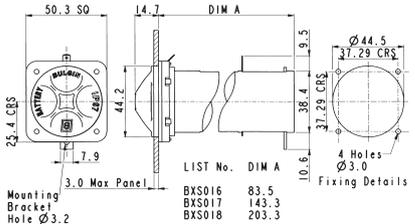
BXS016



| LIST No. | DIM A |
|---|---|
| BXS016 | 83.5 |
| BXS017 | 143.3 |
| BXS018 | 203.3 |

| 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<br>BXS012/1 - 2 cells<br>BXS013/1 - 3 cells | BXS001/1 - 1 cell<br>BXS002/1 - 2 cells<br>BXS003/1 - 3 cells | BXS016 -1 cell<br>BXS017 - 2 cells<br>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<br>Glass filled Polyester<br>Polycarbonate | Nylon<br>Glass filled Polyester | Nylon<br>Glass filled Polyester |
| Flammability Rating: | UL94V-0 | UL94V-0 | UL94V-0 |
| Contacts: | Brass,Tin Plated - rear contact<br>Nickel Silver, clean - front contact and cap contact plate | Brass, Tin Plated - front and rear contacts<br>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<br>Rear support bracket | Screw on cap with finger grip<br>Recommended torque for panel ring 1.13-1.7Nm (10-15lbf.in) | Bayonet cap with finger grip<br>Rear support bracket |
| Sealing (front of panel): | Protection classification<br>IP67, EN60529:1992+A2:2013 | Protection classification<br>IP67, EN60529:1992+A2:2013 | Protection classification<br>IP67, EN60529:1992+A2:2013 |
| Notes: | Recommend 2 & 3 cell versions are supported by rear bracket | | Recommend 2 & 3 cell versions are supported by rear bracket |
| RoHS | Compliant | Compliant | Compliant |

### AA SIZE BATTERY HOLDER

BX0011/1

○ 1, 2 or 3 Cells
○ Flanged Panel Mount
○ Bayonet/Screwdriver release
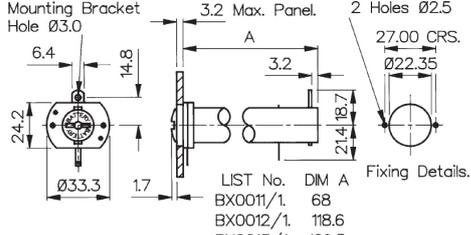
Mounting Bracket Hole Ø3.0
6.4
14.8
24.2
Ø33.3
1.7

3.2 Max. Panel.
A
3.2

2 Holes Ø2.5
27.00 CRS.
Ø22.35
21.4  18.7
Fixing Details.

LIST No.    DIM A
BX0011/1.    68
BX0012/1.    118.6
BX0013/1.    169.5

### AA SIZE BATTERY HOLDER

BX0027

○ 4 Cells
○ Flanged Panel Mount
○ Drawer function
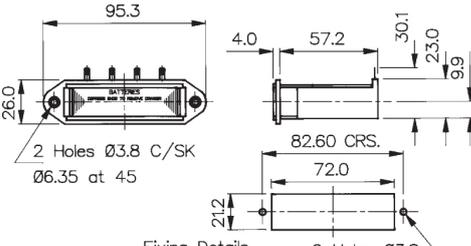
95.3
26.0
4.0    57.2    30.1    23.0    9.9
2 Holes Ø3.8 C/SK
Ø6.35 at 45
82.60 CRS.
72.0
21.2
Fixing Details.    2 Holes Ø3.8

### C SIZE BATTERY HOLDER

BX0001/1

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

Ø38.1    12.3    A
2.5    18.0
Ø33.6    Fixing Details.
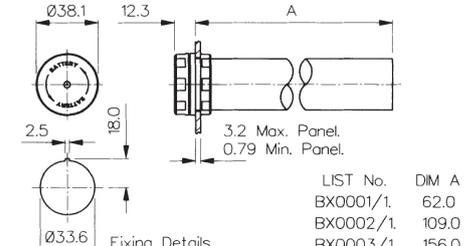
3.2 Max. Panel.
0.79 Min. Panel.

LIST No.    DIM A
BX0001/1.    62.0
BX0002/1.    109.0
BX0003/1.    156.0

| 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

| LIST No. | DIM A |
|---|---|
| BX0016. | 83.0 |
| BX0017. | 143.5 |
| BX0018. | 204.0 |

46.0 SQ.   4.0 Max. Panel   Ø44.5   37.30 CRS.
6.5   DIM A   9.5
Ø44.2   25.4   Ø38.4   37.30 CRS.
7.9   10.6
Mounting Bracket Hole Ø3.2
4 Holes Ø3.0
Fixing Details.

## PP3 SIZE BATTERY HOLDER

BX0023
BX0023/GY

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

3.0   60.0
53.0   54.0   34.0
29.0   24.0
2 Holes Ø3.2 C/SK Ø6.35 at 45°   2 Holes Ø3.2   43.00 CRS. 34.5
Fixing Details.   24.5

## PP3 SIZE BATTERY HOLDER

BX0026

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

3.0   60.0
85.6   54.0   66.8
29.0   24.0
2 Holes Ø3.2 C/SK Ø6.35 at 45°   2 Holes Ø3.5   75.60 CRS. 67.3
Fixing Details.   24.5

| 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
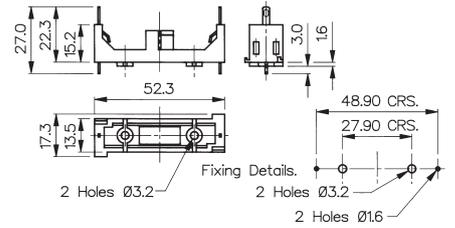- Open style
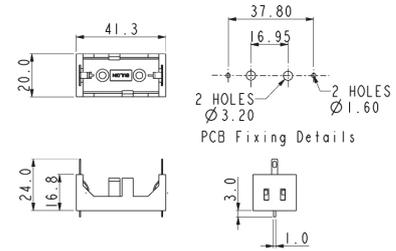


## AAA SIZE BATTERY HOLDER
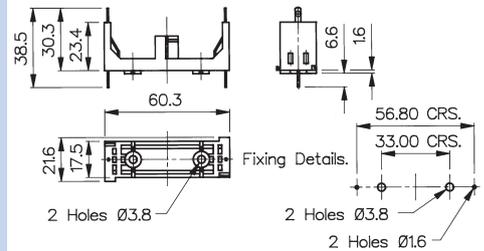


BX0034

- 1 Cell
- PCB/Base Mount
- Open style



## AA SIZE BATTERY HOLDER



BX0035

- 1 Cell
- PCB/Base Mount
- Open style



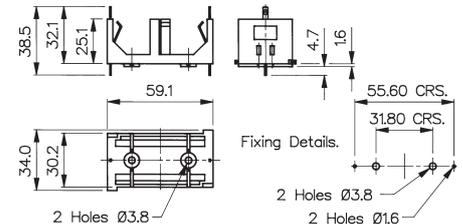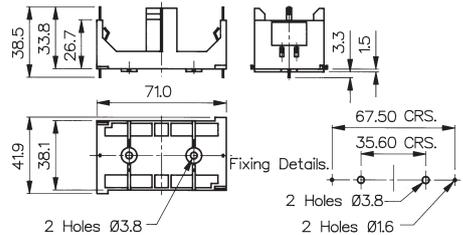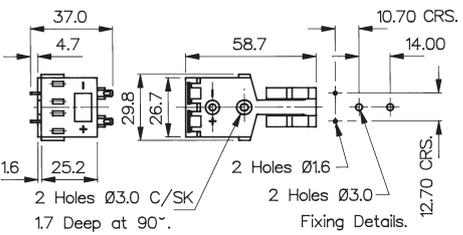| Specification | BX0123 | BX0034 | BX0035 |
|---|---|---|---|
| Battery/Cell Type: | CR123 | AAA (R03) | AA (R6) |
| No. Cells: | 1 cell | 1 cell | 1 cell |
| Terminations: | Dual connections, PCB spills & 2.8 series tabs/solder tags. (PCB spills may be removed if required) | Dual connections, PCB spills & 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

- 1 Cell
- PCB/Base Mount
- Open style

BX0036



## D SIZE BATTERY HOLDER

- 1 Cell
- PCB/Base Mount
- Open style

BX0037



## PP3 SIZE BATTERY HOLDER

- 1 Cell
- PCB/Base Mount
- Open style

BX0033



| 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 | |
| RoHS | Compliant | Compliant | Compliant |