# Power Entry Modules

With over 26,000 combinations Bulgin's mains power entry modules offer a very adaptable and flexible solution to panel design.
Power entry modules allow combinations of mains inlets and outlets, filtered inlets, switches, fuseholders, voltage selectors and indicators mounted in either horizontal or vertical format bezels ready for quick snap-fit assembly. The compact design occupies the minimum of panel area and a single rectangular mounting hole, offering easy installation for this mains power entry module.

Our range offers a flange fixing alternative for designers who prefer the security of screw fixing. All types and variations are available through Bulgin's extensive distribution network.

## Components used in Power Entry Modules.

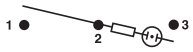
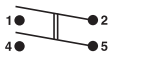
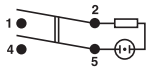
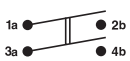
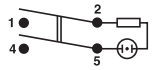
**Note: Components are Approved Individually (where applicable). Please see individual component pages for full specifications.**

## IEC Connectors Fuseholders and Voltage Selectors

| Type | Description | Rating | Approvals |
|---|---|---|---|
| DX0928 | Neon Indicator | 110V or 250V a.c./d.c. working | |
| FX0359 | 5 x 20mm Fuseholder | Max. rating 10A. 250V<br>See Page 192 | |
| PF0011 | C14 Power Inlet with Integral 5 x 20mm Fuseholder | Max. rating 10A. 250V a.c.<br>See Page 136 | |
| PF0033 | C14 Power Inlet with Integral twin 5 x 20mm Fuseholder | Max. rating 10A. 250V a.c.<br>See Page 137 | |
| PX0575 | C14 Power Inlet, Cold condition | Max. rating 10A. 250V a.c.<br>See Page 132 | |
| PX0595 | C16 Power Inlet, Hot Condition | Max. rating 10A. 250V a.c.<br>See Page 138 | |
| PX0695 | Sheet F Power Outlet | Max. rating 10A. 250V a.c.<br>See Page 145 | |
| PX0783 | Sheet F Shuttered Power Outlet | Max. rating 10A. 250V a.c.<br>See Page 146 | |
| PX0598 | C20 Power Inlet | Max. rating 16A, 250V a.c.<br>See Page 148 | |
| VS0001 | Voltage Selector marked 120/240V | Max. rating 6.3A. 120/240V a.c.<br>See Page 114 | |

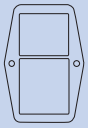
*Filtered options for 6.3mm tag versions only

## Switches and Indicators

| No Poles | Illumination | Current Ratings | Circuit | Approvals |
|---|---|---|---|---|
| Single Pole | Non-illuminated | Max. rating 16A Resistive, 4A Inductive, 250Vac. | | |
| | High Inrush | Max. rating 16A Resistive, 4A Inductive, 250Vac. Inrush current, 150A to IEC65. |  | |
| | Illuminated | Max. rating 16A Resistive, 4A Inductive, 250Vac. | | |
| Double Pole | Non-illuminated | Max. rating 16A Resistive, 4A Inductive, 250Vac. |  | |
| | High Inrush | Max. rating 16A Resistive, 4A Inductive, 250Vac. Inrush current, 150A to IEC65. |  | |
| | Illuminated | Max. rating 16A Resistive, 4A Inductive, 250Vac. 250Vac Neon. | | |
| For Mini Bezel: Single Pole | Non-illuminated | Max. rating 10A Resistive, 4A Inductive, 250Vac. | | |
| | Illuminated | Max. rating 10A Resistive, 4A Inductive, 250Vac. 250Vac Neon. | | |
| Double Pole | Non-illuminated | Max. rating 10A Resistive, 4A Inductive, 250Vac. |  | |
| | High Inrush | Max. rating 10A Resistive, 4A Inductive, 250Vac. Inrush current, 85A to EN61058-1. |  | |
| | Illuminated | Max. rating 10A Resistive, 4A Inductive, 250Vac. 250Vac Neon. | | |
| Indicator | | 250Vac neon lamp connected internally to terminals. | | |

RoHS Power Entry Module range and all components are compliant

## Overview of Power Entry Modules

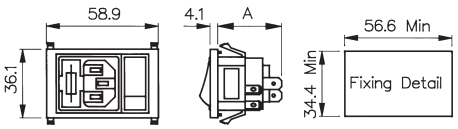
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Inlets | | | Outlets | Inlet/ Outet Combinations |
| **Style** | **C14** | **C14 Fused** | **C16** | **C20** | **Sheet F** | **C14** | **C14 Fused** |
| Snap to Panel Vertical | With Single Pole switch Page 163<br><br>With other components Pages 164, 165, 166 | With Single Pole switch Page 161<br><br>With Double Pole Switch Page 162 | With Single Pole switch Page 163<br><br>With other components Pages 164, 165, 166 | With Single Pole switch Page 167 | With Single Pole switch Page 169 | With other components Page 168 | |
| Snap to Panel Horizontal | Mini Bezel With Single Pole Switch Page 175<br><br>Mini Bezel With Double Pole Switch Page 175 | With Single Pole switch Page 170<br><br>With Double Pole Switch Page 171 | | | | With Single Pole switch Page 177 | With Double Pole switch Page 173<br><br>No additional components Page 174 |
| Flange Mount - Vertical  | | With Single Pole switch Page 176<br><br>With Double Pole switch Page 177 | | | | | |

# C14 IEC Fused Inlet - Vertical

Vertical Module Arrangement

BZV01/Z0000/01

- Fused Inlet with 2.8mm or 6.3mm tags
- Single Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




BZV01/*****/** } A = 59.7 With Filter
BZV02/*****/** } A = 27.4 Without Filter
BZV15/*****/** } A = 59.7 With Filter
BZV16/*****/** } A = 37.9 Without Filter
Panel Thickness. 1.0, 1.5, 2.0, 3.0mm.

## How to order -

| BZV XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

Single Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:
01 = PF0011/63
02 = PF0011/28

Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:
15 = PF0033/63
16 = PF0033/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered
Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179 -180
E.g. BZV01/A0620/01

### Filtered or Non Filtered Inlet

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
02 = S.P. Red Neon Switch
08 = S.P. Green Neon Switch

Neon Indicator:
03 = Red Neon Indicator

Single Pole High Inrush Switch:
46 = S.P. High Inrush Switch

Single Pole Switch Marked I/O:
69 = S.P. Switch (I/O)

Single Pole Neon Switch Marked (I/O):
71 = S.P. Red Neon Switch (I/O)
74 = S.P. Green Neon Switch (I/O)

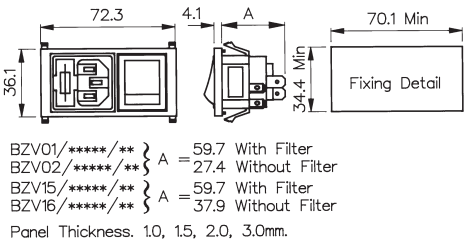
Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

# C14 IEC Fused Inlet - Vertical

Vertical Module Arrangement

BZV01/Z0000/10

- Fused Inlet with 2.8mm or 6.3mm tags
- Double Pole Switch or
- Indicator Variations
- Filtered Inlet Option
- Options of I/O marked switches




BZV01/*****/** } A = 59.7 With Filter
BZV02/*****/** } A = 27.4 Without Filter
BZV15/*****/** } A = 59.7 With Filter
BZV16/*****/** } A = 37.9 Without Filter

Panel Thickness. 1.0, 1.5, 2.0, 3.0mm.

## How to order -

| BZV XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

Single Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:
01 = PF0011/63
02 = PF0011/28

Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:
15 = PF0033/63
16 = PF0033/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BZV01/A0620/10

### Combination of Other Components

Neon Indicator:
D3 = Red Neon Indicator

Double Pole Switch:
10 = D.P. Switch

Double Pole Neon Switch:
11 = D.P. Red Neon Switch
12 = D.P. Green Neon Switch

Double Pole High Inrush Switch:
13 = D.P. High Inrush Switch

Double Pole Switch Marked I/O:
70 = D.P. Switch (I/O)

Double Pole Neon Switch Marked (I/O):
76 = D.P. Red Neon Switch (I/O)
77 = D.P. Green Neon Switch (I/O)

Double Pole High Inrush Switch Marked (I/O):

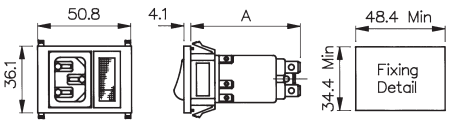
78 = D.P. High Inrush Switch (I/O)
B1 = D.P. High Inrush Green Neon Switch (I/O)

# C14 and C16 IEC Inlet - Vertical

Vertical Module Arrangement

BZV03/Z0000/02

- Inlet with 2.8mm or 6.3mm tags
- Single Pole Switch or Neon Indicator Variations
- Filtered Inlet Option
- Options of I/O marked switches
- Non Fused




BZV03, BZV04/*****/** A = 62.5 With Filter
28.1 Without Filter

BZV05, BZV06/*****/** A = 28.1

Panel Thickness. 1.0, 1.5, 2.0, 3.0mm.

## How to order -

| BZV XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:
03 = PX0575/63
04 = PX0575/28
C16 Power Inlet (hot condition), 6.3 or 2.8mm tabs:
05 = PX0595/63
06 = PX0595/28

Please note type 05 and 06 are not available in filtered version

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZV03/A0120/02

### Combination of Other Components

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
02 = S.P. Red Neon Switch
08 = S.P. Green Neon Switch

Neon Indicator:
03 = Red Neon Indicator
Single Pole High Inrush Switch:
46 = S.P. High Inrush Switch

Single Pole Switch Marked I/O:
69 = S.P. Switch (I/O)

Single Pole Neon Switch Marked (I/O):
71 = S.P. Red Neon Switch (I/O)
74 = S.P. Green Neon Switch (I/O)

Single Pole High Inrush Switch Marked (I/O):

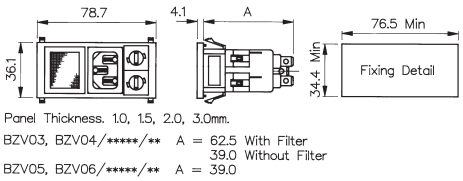
98 = S.P. High Inrush Switch (I/O)

# C14 and C16 IEC Inlet - Vertical

Vertical Module Arrangement

BZV03/Z0000/07

- Inlet with 2.8mm or 6.3mm tags
- Double Pole Switch/ Fuseholder/Indicator/ Voltage Selectors/ Blanking Plate
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

**BZV XX / XXXXX / XX**

### Type of Inlet / Outlet

C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:

03 = PX0575/63
04 = PX0575/28

C16 Power Inlet (hot condition), 6.3 or 2.8mm tabs:

05 = PX0595/63
06 = PX0595/28

Please note type 05 and 06 are not available in filtered version

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZV03/A0120/07

### Combination of Other Components

Twin Fuseholder and Double Pole Switch:
05 = 2 x FX0359 + D.P. Switch

Twin Fuseholder and Double Pole Neon Switch:
06 = 2 x FX0359 + D.P. Red Neon Switch
09 = 2 x FX0359 + D.P. Green Neon Switch
19 = 2 x FX0359 + D.P. Red Neon Switch 125V

Twin Fuseholder and Neon Indicator:
07 = 2 x FX0359 + Red Neon Indicator

Voltage Selector, Fuseholder and Double Pole Switch:
15 = 1 x VS0001 + 1 x FX0359 + Double Pole switch

Voltage Selector, Fuseholder and Double Pole Neon Switch:
16 = 1 x VS0001 + 1 x FX0359 + D.P. Red Neon Switch
18 = 1 x VS0001 + 1 x FX0359 + D.P. Green Neon Switch

Voltage Selector, Fuseholder and Neon Indicator:
17 = 1 x VS0001 + 1 x FX0359 + Red Neon Indicator

Twin Fuseholder and Double Pole High Inrush Switch:
20 = 2 x FX0359 + D.P. High Inrush Switch

Twin Fuseholder and Double Pole High Inrush Neon Switch:
21 = 2 x FX0359 + 1 x D.P. High Inrush Green Neon Switch
22 = 2 x FX0359 + 1 x D.P. High Inrush Red Neon Switch

Voltage Selector, Neon Indicator and Double Pole Switch
25 = 1 x VS0001 + 1 x DX0928/110V/Red + D.P. Switch
26 = 1 x VS0001 + 1 x DX0928/110V/Green + D.P. Switch
27 = 1 x VS0001 + 1 x DX0928/250V/Red + D.P. Switch
28 = 1 x VS0001 + 1 x DX0928/250V/Green + D.P. Switch

Voltage Selector, Neon Indicator and Double Pole High Inrush Switch:
29 = 1 x VS0001 + 1 x DX0928/250V/Red + D.P. High Inrush Switch
30 = 1 x VS0001 + 1 x DX0928/250V/Green + D.P. High Inrush Switch

Fuseholder, Neon Indicator and Double Pole Switch
31 = 1 x FX0359 + 1 x DX0928/110V/Red + D.P. Switch
32 = 1 x FX0359 + 1 x DX0928/110V/Green + D.P. Switch
33 = 1 x FX0359 + 1 x DX0928/250V/Red + D.P. Switch
34 = 1 x Fx0359 + 1 x DX0928/250V/Green + D.P. Switch

Fuseholder, Neon Indicator and Double Pole High Inrush Switch:
35 = 1 x FX0359 + 1 x DX0928/250V/Red + D.P. High Inrush Switch
36 = 1 x FX0359 + 1 x DX0928/250V/Green + D.P. High Inrush Switch

Fuseholder, Blanking Plate and Double Pole High Inrush Neon Switch:
47 = 1 x FX0359 + 1 x Blanking Plate (Right) + D.P. High Inrush Green Neon Switch

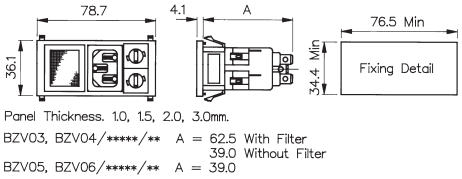
Fuseholder, Blanking Plate and Double Pole Switch:
48 = 1 x FX0359 + 1 x Blanking Plate (Right) + D.P. Switch

# C14 and C16 IEC Inlet - Vertical

Vertical Module Arrangement

BZV03/Z0000/07

- Inlet with 2.8mm or 6.3mm tags
- Double Pole Switch/
- Fuseholder/Indicator/ Voltage Selectors/ Blanking Plate
- Filtered Inlet Option Options of I/O marked switches




## How to order -

**BZV XX / XXXXX / XX**

### Type of Inlet / Outlet

C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:

03 = PX0575/63
04 = PX0575/28

C16 Power Inlet (hot condition), 6.3 or 2.8mm tabs:

05 = PX0595/63
06 = PX0595/28

Please note type 05 and 06 are not available in filtered version

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZV03/A0120/07

### Combination of Other Components

Twin Fuseholder and Double Pole Switch Marked (I/O):
72 = 2 x FX0359 + D.P. Switch (I/O)

Twin Fuseholder and Double Pole Neon Switch Marked (I/O):
73 = 2 x FX0359 + D.P. Red Neon Switch (I/O)
75 = 2 x FX0359 + D.P. Green Neon Switch(I/O)
82 = 2 x FX0359 + D.P. Red Neon Switch 125V(I/O)

Voltage Selector, Fuseholder and Double Pole Switch Marked (I/O):
79 = 1 x VS0001 + 1 x FX0359 + Double Pole switch (I/O)

Voltage Selector, Fuseholder and Double Pole Neon Switch Marked (I/O):
80 = 1 x VS0001 + 1 x FX0359 + D.P. Red Neon Switch (I/O)
81 = 1 x VS0001 + 1 x FX0359 + D.P. Green Neon Switch (I/O)

Twin Fuseholder and Double Pole High Inrush Switch Marked (I/O):
83 = 2 x FX0359 + D.P. High Inrush Switch (I/O)

Twin Fuseholder and Double Pole High Inrush Neon Switch Marked (I/O):
84 = 2 x FX0359 + 1 x D.P. High Inrush Green Neon Switch (I/O)
85 = 2 x FX0359 + 1 x D.P. High Inrush Red Neon Switch (I/O)

Voltage Selector, Neon Indicator and Double Pole Switch Marked (I/O):
86 = 1 x VS0001 + 1 x DX0928/110V/Red + D.P. Switch (I/O)
87 = 1 x VS0001 + 1 x DX0928/110V/Green + D.P. Switch (I/O)
88 = 1 x VS0001 + 1 x DX0928/250V/Red + D.P. Switch (I/O)
89 = 1 x VS0001 + 1 x DX0928/250V/Green + D.P. Switch (I/O)

Voltage Selector, Neon Indicator and Double Pole High Inrush Switch Marked (I/O):
90 = 1 x VS0001 + 1 x DX0928/250V/Red + D.P. High Inrush Switch(I/O)
91 = 1 x VS0001 + 1 x DX0928/250V/Green + D.P. High Inrush Switch(I/O)

Fuseholder, Neon Indicator and Double Pole Switch Marked (I/O)
92 = 1 x FX0359 + 1 x DX0928/110V/Red + D.P. Switch (I/O)
93 = 1 x FX0359 + 1 x DX0928/110V/Green + D.P. Switch (I/O)
94 = 1 x FX0359 + 1 x DX0928/250V/Red + D.P. Switch (I/O)
95 = 1 x FX0359 + 1 x DX0928/250V/Green + D.P. Switch (I/O)

Fuseholder, Neon Indicator and Double Pole High Inrush Switch Marked (I/O):
96 = 1 x FX0359 + 1 x DX0928/250V/Red + D.P. High Inrush Switch (I/O)
97 = 1 x FX0359 + 1 x DX0928/250V/Green + D.P. High Inrush Switch (I/O)

Fuseholder, Blanking Plate and Double Pole High Inrush Neon Switch Marked (I/O):
99 = 1 x FX0359 + 1 x Blanking Plate (Right) + D.P. High Inrush Green Neon Switch (I/O)

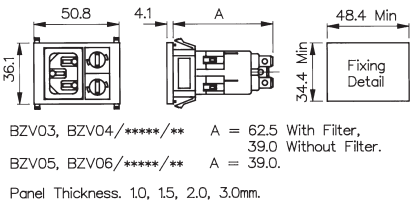
Fuseholder, Blanking Plate and Double Pole Switch Marked (I/O):
A0 = 1 x FX0359 + 1 x Blanking Plate (Right) + D.P. Switch (I/O)
B2 = 1 x VS0002 + 1 x Blanking Plate
B3 = 1 x FX0359 + 1 x Blanking Plate + D.P. High Inrush Switch (I/O)
B5 = 1 x VS0001 + 1 x Blanking Plate + D.P Switch (I/O)

# C14 and C16 IEC Inlet - Vertical

Vertical Module Arrangement

BZV04/Z0000/04

- Inlet with 2.8mm or 6.3mm tags
- Fuseholder/Voltage Selector/Indicator options/Blanking plate




## How to order -

| BZV XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:
03 = PX0575/63
04 = PX0575/28

C16 Power Inlet (hot condition), 6.3 or 2.8mm tabs:
05 = PX0595/63
06 = PX0595/28

Please note type 05 and 06 are not available in filtered version

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZV03/A0120/04

### Combination of Other Components

Twin Fuseholder:
04 = 2 x FX0359

Voltage Selector and Fuseholder:
14 = 1 x VS0001 + 1 x FX0359

Voltage selector and Neon:
37 = 1 x VS0001 + DX0928/110V/Red
38 = 1 x VS0001 + DX0928/110V/Green
39 = 1 x VS0001 + DX0928/250V/Red
40 = 1 x VS0001 + DX0928/250V/Green

Fuseholder and Neon:
41 = 1 x FX0359 + DX0928/110V/Red
42 = 1 x FX0359 + DX0928/110V/Green
43 = 1 x FX0359 + DX0928/250V/Red
44 = 1 x FX0359 + DX0928/250V/Green

Fuseholder and Blanking Plate:
45 = 1 x FX0359 + Blanking Plate

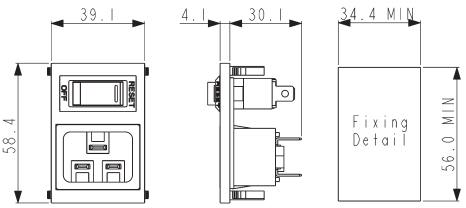
Voltage Selector and Blanking Plate:
B2 = 1 x VS0001 + Blanking Plate

# C20 IEC Inlet - Vertical

Vertical Module Arrangement

BZV49/Z0000/69

- Inlet with 4.8mm or 6.3mm tags
- Single Pole Switch marked I/O
- Illuminated, red or green, switches
- High inrush non-illuminated switch




## How to order -

| BZV XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

C20 Power Inlet (cold condition), 4.8 or 6.3mm tabs:

49 = PX0598/63
50 = PX0598/48

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

### Combination of Other Components

Single Pole Switch:
01 = S.P. Switch

Single Pole Switch Marked (I/O):
69 = S.P. Switch (I/O)

Single Pole Illuminated Switch:
02 = S.P. Illuminated Red
08 = S.P. Illuminated Green

Single Pole Non-illuminated High Inrush Switch Marked I/O:

98 = S.P. High Inrush Switch (I/O)
Single Pole Illuminated (Red or Green 250v Neon) Switch Marked I/O:

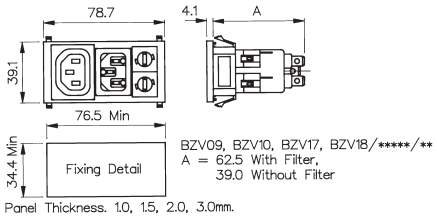
71 = S.P. Switch Illuminated Red (I/O)
74 = S.P. Switch Illuminated Green (I/O)

# C14 IEC Inlet/Sheet F IEC Outlet - Vertical

Vertical Module Arrangement

BZV09/Z0000/04

- Inlet/Outlet Combination
- 2.8mm or 6.3mm tags
- Filtered Inlet and Blanking Plate options
- Shuttered or Non-shuttered Outlet
- Fused




## How to order -

**BZV XX / XXXXX / XX**

### Type of Inlet / Outlet

C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power Outlet, 2.8 or 6.3mm tabs:

09 = PX0575/63 + PX0695/63
10 = PX0575/28 + PX0695/28

C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet, 2.8 or 6.3mm tabs:

17 = PX0575/63 + PX0783/63
18 = PX0575/28 + PX0783/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZV09/A0120/04

### Combination of Other Components

Twin Fuseholder:
04 = 2 x FX0359

Voltage Selector and Fuseholder:
14 = 1 x VS0001 + 1 x FX0359

Voltage selector and Neon:
37 = 1 x VS0001 + DX0928/110V/Red
38 = 1 x VS0001 + DX0928/110V/Green
39 = 1 x VS0001 + DX0928/250V/Red
40 = 1 x VS0001 + DX0928/250V/Green

Fuseholder and Neon:
41 = 1 x FX0359 + DX0928/110V/Red
42 = 1 x FX0359 + DX0928/110V/Green
43 = 1 x FX0359 + DX0928/250V/Red
44 = 1 x FX0359 + DX0928/250V/Green

Fuseholder and Blanking Plate:
45 = 1 x FX0359 + Blanking Plate

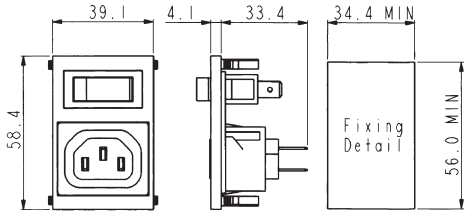
Voltage Selector and Blanking Plate:
B2 = 1 x VS0001 + Blanking Plate

# Sheet F IEC Outlet - Vertical

Vertical Module Arrangement

BZV45/Z0000/02

- Outlet with 2.8mm or 6.3mm tags
- Shuttered or Non-Shuttered
- Single Pole Switch or Neon Indicator
- I/O Marking Options




## How to order -

| BZV XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

Sheet F Power Outlet (non shuttered), 6.3 or 2.8mm tabs:

45 = PX0695/63
46 = PX0695/28

Sheet F Power Outlet (shuttered), 6.3 or 2.8mm tabs:

47 = PX0783/63
48 = PX0783/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

### Combination of Other Components

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
02 = S.P. Red Neon Switch
08 = S.P. Green Neon Switch

Neon Indicator:

03 = Red Neon Indicator

Single Pole High Inrush Switch:
46 = S.P. High Inrush Switch

Single Pole Switch Marked I/O:
69 = S.P. Switch (I/O)

Single Pole Neon Switch Marked (I/O):
71 = S.P. Red Neon Switch (I/O)
74 = S.P. Green Neon Switch (I/O)

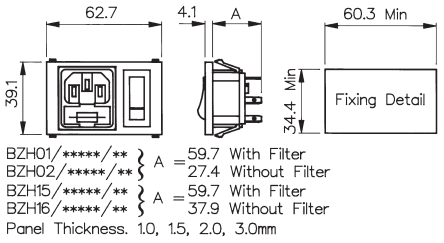
Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

# C14 IEC Fused Inlet - Horizontal

Horizontal Module Arrangement

BZH01/Z0000/01

- Fused Inlet with 2.8mm or 6.3mm tags
- Single Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

| BZH XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

Single Fused C14 Power Inlet (cold condition), 2.8 or 6.3mm tabs:

01 = PF0011/63
02 = PF0011/28

Twin Fused C14 Power Inlet (cold condition), 2.8 or 6.3mm tabs:

15 = PF0033/63
16 = PF0033/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BZH01/A0620/01

### Combination of Other Components

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
02 = S.P. Red Neon Switch
08 = S.P. Green Neon Switch

Neon Indicator:
03 = Red Neon Indicator

Single Pole High Inrush Switch:
46 = S.P. High Inrush Switch

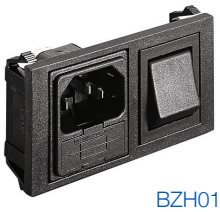
Single Pole Switch Marked I/O:
69 = S.P. Switch (I/O)

Single Pole Neon Switch Marked (I/O):
71 = S.P. Red Neon Switch (I/O)
74 = S.P. Green Neon Switch (I/O)

Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

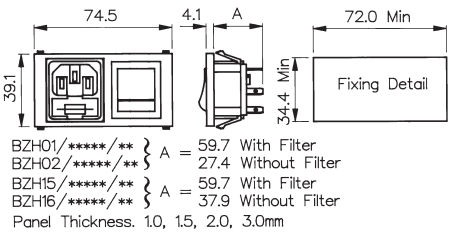
# C14 IEC Fused Inlet - Horizontal

Horizontal Module Arrangement



BZH01/Z0000/10

- Fused Inlet with 2.8mm or 6.3mm tags
- Double Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

| BZH XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

Single Fused C14 Power Inlet (cold condition), 2.8 or 6.3mm tabs:

01 = PF0011/63
02 = PF0011/28

Twin Fused C14 Power Inlet (cold condition), 2.8 or 6.3mm tabs:

15 = PF0033/63
16 = PF0033/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BZH01/A0620/10

### Combination of Other Components

Neon Indicator:
03 = Red Neon Indicator

Double Pole Switch:
10 = D.P. Switch

Double Pole Neon Switch:
11 = D.P. Red Neon Switch
12 = D.P. Green Neon Switch

Double Pole High Inrush Switch:
13 = D.P. High Inrush Switch

Double Pole Switch marked I/O:
70 = D.P. Switch (I/O)

Double Pole Neon Switch Marked (I/O):
76 = D.P. Red Neon Switch (I/O)
77 = D.P. Green Neon Switch (I/O)

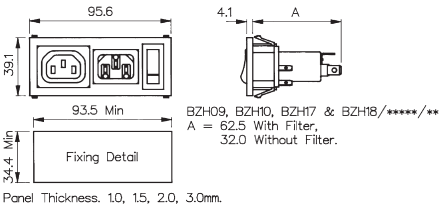
Double Pole High Inrush Switch Marked (I/O):
78 = D.P. High Inrush Switch (I/O)
B1 = D.P. High Inrush Green Neon Switch (I/O)

# C14 IEC Fused Inlet - Horizontal

Horizontal Module Arrangement

BZH09/Z0000/01

- Inlet/Outlet Combination with 2.8mm or 6.3mm tags
- Shuttered or Non-Shuttered Outlet
- Single Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

| BZH XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power Outlet, 2.8 or 6.3mm tabs:

09 = PX0575/63 + PX0695/63
10 = PX0575/28 + PX0695/28

C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet , 2.8 or 6.3mm tabs:

17 = PX0575/63 + PX0783/63
18 = PX0575/28 + PX0783/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZH09/A0120/01

### Combination of Other Components

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
02 = S.P. Red Neon Switch
08 = S.P. Green Neon Switch

Neon Indicator:
03 = Red Neon Indicator

Single Pole High Inrush Switch:
46 = S.P. High Inrush Switch

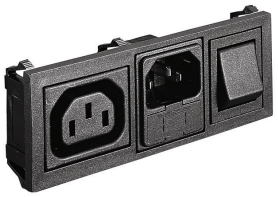
Single Pole Switch Marked I/O:
69 = S.P. Switch (I/O)

Single Pole Neon Switch Marked (I/O):
71 = S.P. Red Neon Switch (I/O)
74 = S.P. Green Neon Switch (I/O)

Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

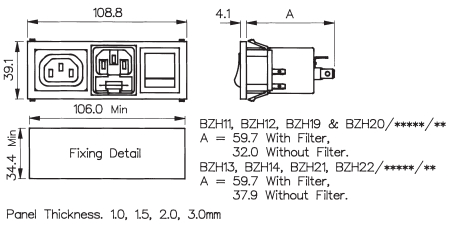
# C14 IEC Inlet/Sheet F IEC Outlet - Horizontal

Horizontal Module Arrangement



BZH11/Z0000/10

- Inlet/Outlet Combination with 2.8mm or 6.3mm tags
- Single or Twin Fused Inlet
- Shuttered or Non-Shuttered Outlet
- Double Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

| BZH XX | / | XXXXX | / | XX |
|---|---|---|---|---|

### Type of Inlet / Outlet

Single Fused C14 Power Inlet (cold condition) and Sheet F Power Outlet, 2.8 or 6.3mm tabs:

11 = PF0011/63 + PX0695/63
12 = PF0011/28 + PX0695/28

Twin Fused C14 Power Inlet (cold condition) and Sheet F Power Outlet , 2.8 or 6.3mm tabs:

13 = PF0033/63 + PX0695/63
14 = PF0033/28 + PX0695/28

Single Fused C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet, 2.8 or 6.3mm tabs:

19 = PF0011/63 + PX0783/63
20 = PF0011/28 + PX0783/28

Twin Fused C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet , 2.8 or 6.3mm tabs:

21 = PF0033/63 + PX0783/63
22 = PF0033/28 + PX0783/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BZH11/A0620/10

### Combination of Other Components

Neon Indicator:
D3 = Red Neon Indicator

Double Pole Switch:
10 = D.P. Switch

Double Pole Neon Switch:
11 = D.P. Red Neon Switch
12 = D.P. Green Neon Switch

Double Pole High Inrush Switch:
13 = D.P. High Inrush Switch

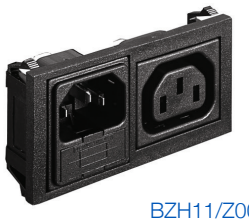
Double Pole Switch Marked I/O:
70 = D.P. Switch (I/O)

Double Pole Neon Switch Marked (I/O):
76 = D.P. Red Neon Switch (I/O)
77 = D.P. Green Neon Switch (I/O)

Double Pole High Inrush Switch Marked (I/O):
78 = D.P. High Inrush Switch (I/O)
B1 = D.P. High Inrush Green Neon Switch (I/O)

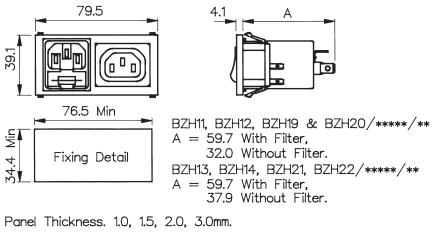
# C14 IEC Inlet/Sheet F IEC Outlet - Horizontal

Horizontal Module Arrangement



BZH11/Z0000/00

- Fused Inlet/Outlet
- Combination with 2.8mm or 6.3mm tags
- Filtered Inlet Option
- Single or Twin Fused




## How to order -

| BZH XX | / XXXXX | / XX |
|---|---|---|

### Type of Inlet / Outlet

Single Fused C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power Outlet, 2.8 or 6.3mm tabs:

11 = PF0011/63 + PX0695/63
12 = PF0011/28 + PX0695/28

Twin Fused C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power Outlet , 2.8 or 6.3mm tabs:

13 = PF0033/63 + PX0695/63
14 = PF0033/28 + PX0695/28

Single Fused C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet, 2.8 or 6.3mm tabs:

19 = PF0011/63 + PX0783/63
20 = PF0011/28 + PX0783/28

Twin Fused C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet , 2.8 or 6.3mm tabs:

21 = PF0033/63 + PX0783/63
22 = PF0033/28 + PX0783/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BZH11/A0620/00

### Combination of Other Components

None

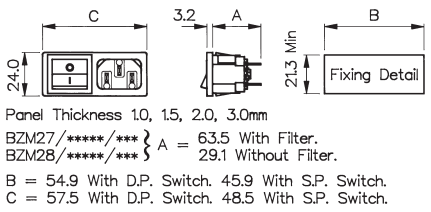
00 = None

# C14 IEC Inlet - Mini Bezel

Minimum Combined Bezel Size

BZM27/Z0000/57B

- Inlet with 2.8, 4.8 or 6.3mm tags
- Horizontal Module Arrangement
- Single and Double Pole Switch Variations
- Filtered Inlet Option




## How to order -

**BZM XX / XXXXX / XX / X**

### Type of Inlet / Outlet

C14 Power Inlet (cold condition), 6.3, 4.8 & 2.8mm tabs:

27 = PX0575/63
42 = PX0575/48
28 = PX0575/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see page 178
E.g. BZM27/A0120/57B

### Switch Variation

Single Pole Switch, 4.8mm or solder tab, marked I/O:
53 = S.P. Switch, 4.8mm tab (I/O)
54 = S.P. Switch, solder tab (I/O)

Single Pole Illuminated Switch, 4.8mm or solder tab:
55 = S.P. Switch Illum. Red, 4.8mm tab
61 = S.P. Switch Illum. Green, 4.8mm tab
56 = S.P. Switch Illum. Red, solder tab
62 = S.P. Switch Illum. Green, solder tab

Double Pole Switch, 4.8mm or solder tab, marked I/O:
57 = D.P. Switch, 4.8mm tab (I/O)
58 = D.P. Switch, solder tab (I/O)

Double Pole Illuminated Switch, 4.8mm or solder tab:
59 = D.P. Switch Illum. Red, 4.8mm tab
63 = D.P. Switch Illum. Green, 4.8mm tab
60 = D.P. Switch Illum. Red, solder tab
64 = D.P. Switch Illum. Green, solder tab

Double Pole High Inrush, 4.8mm tabs:
65 = D.P. High Inrush Switch, 4.8mm tabs (S.P. format)

Double Pole High Inrush, 4.8mm tabs, marked I/O:
68 = D.P. High Inrush Switch, 4.8mm tabs, I/O (S.P. format)

Single Pole Illuminated Switch, 4.8mm or solder tab, Marked I/O:
A1 = S.P. Switch Illum. Red, 4.8mm tab (I/O)
A5 = S.P. Switch Illum. Green, 4.8mm tab (I/O)
A2 = S.P. Switch Illum. Red, solder tab (I/O)
A6 = S.P. Switch Illum. Green, solder tab (I/O)

Double Pole Illuminated Switch, 4.8mm or solder tab, Marked I/O:
A3 = D.P. Switch Illum. Red, 4.8mm tab
A7 = D.P. Switch Illum. Green, 4.8mm tab
A4 = D.P. Switch Illum. Red, solder tab
A8 = D.P. Switch Illum. Green, solder tab

### Panel Thickness

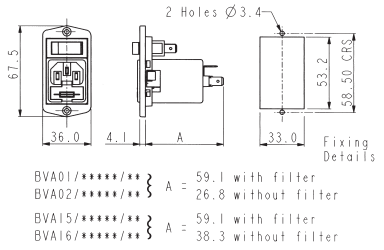
1.0mm = A
1.5mm = B
2.0mm = C
3.0mm = D

# C14 IEC Fused Inlet - Polyflange

Vertical Module Arrangement

BVA01/Z0000/02

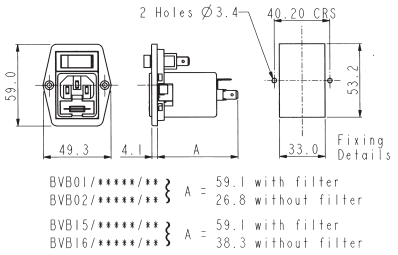
- Fused Inlet with 2.8mm or 6.3mm tags
- Screw Fixing to Panel
- Single Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




Vertical Module Arrangement

BVB01/Z0000/01

- Fused Inlet with 2.8mm or 6.3mm tags
- Screw Fixing to Panel
- Single Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

| BV X | XX | / | XXXXX | / | XX |
|---|---|---|---|---|---|

**Flange Type**

A = Top fixing

B = Side fixing

**Type of Inlet / Outlet**

Single Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:

01 = PF0011/63
02 = PF0011/28

Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:

15 = PF0033/63
16 = PF0033/28

**Filtered or Non Filtered Inlet**

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BVA01/A0620/01

**Combination of Other Components**

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
02 = S.P. Red Neon Switch
08 = S.P. Green Neon Switch

Neon Indicator:
03 = Red Neon Indicator

Single Pole High Inrush Switch:
46 = S.P. High Inrush Switch

Single Pole Switch Marked I/O:
69 = S.P. Switch (I/O)

Single Pole Neon Switch Marked (I/O):
71 = S.P. Red Neon Switch (I/O)
74 = S.P. Green Neon Switch (I/O)

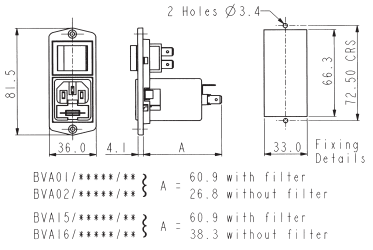
Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

# C14 IEC Fused Inlet - Polyflange

Vertical Module Arrangement

BVA01/Z0000/10

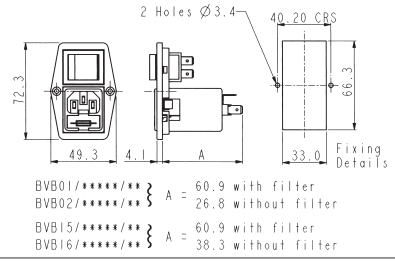
- Fused Inlet with 2.8mm or 6.3mm tags
- Screw Fixing to Panel
- Double Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




Vertical Module Arrangement

BVB01/Z0000/11

- Fused Inlet with 2.8mm or 6.3mm tags
- Screw Fixing to Panel
- Double Pole Switch Variations
- Filtered Inlet Option
- Options of I/O marked switches




## How to order -

**BV X XX / XXXXX / XX**

### Flange Type

A = Top fixing

B = Side fixing

### Type of Inlet / Outlet

Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:

01 = PF0011/63
02 = PF0011/28

Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs:

15 = PF0033/63
16 = PF0033/28

### Filtered or Non Filtered Inlet

Z0000 = Non Filtered

Axxxx = Standard

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180
E.g. BVA01/A0620/10

### Combination of Other Components

Neon Indicator:
D3 = Red Neon Indicator

Double Pole Switch:
10 = D.P. Switch

Double Pole Neon Switch:
11 = D.P. Red Neon Switch
12 = D.P. Green Neon Switch

Double Pole High Inrush Switch:
13 = D.P. High Inrush Switch

Double Pole Switch Marked I/O:
70 = D.P. Switch (I/O)

Double Pole Neon Switch Marked (I/O):
76 = D.P. Red Neon Switch (I/O)
77 = D.P. Green Neon Switch (I/O)

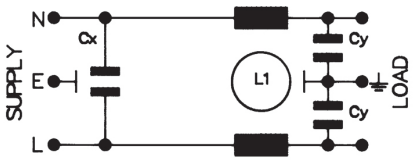
Double Pole High Inrush Switch Marked (I/O):
78 = D.P. High Inrush Switch (I/O)
B1 = D.P. High Inrush Green Neon Switch (I/O)

# C14 IEC Fused Inlet

EMI Filter Options

BVA01/Z0000/10

- For Polysnap modules BZV03, BZV04, BZV09, BZV10, BZV17, BZV18, BZH09, BZH10, BZH17, BZH18, BZM27, BZM28
- PX0575 style IEC inlet
- Using PS01/A style filter
- Standard Attenuation Filter




## How to order -

| B XXXX | / | A | XX | X | X | / | XX |
|---|---|---|---|---|---|---|---|

**Polysnap Part No.**

From Polysnap Selection

**Filter Type**

A = Standard

**Rating**

01 = 1A

03 = 3A

06 = 6A

10 = 10A

**L/C Circuit**

1 = Version 1

2 = Version 2

3 = Version 3

**Additional Components**

0 = None

**Polysnap Part No.**

From Polysnap Selection

| Rating | Version | L1 | Cx | Cy |
|---|---|---|---|---|
| 1 AMP | 1 | 2 x 2.8mH | 1 x 15nF | 2 x 2.2nF |
| “ | 2 | 2 x 10mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | 2 x 10mH | 1 x 47nF | 2 x 2.2nF |
| 3 AMP | 1 | 2 x 0.75mH | 1 x 15nF | 2 x 2.2nF |
| “ | 2 | 2 x 1.8mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | 2 x 1.8mH | 1 x 47nF | 2 x 2.2nF |
| 6 AMP | 1 | 2 x 0.3mH | 1 x 15nF | 2 x 2.2nF |
| “ | 2 | 2 x 0.7mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | 2 x 0.7mH | 1 x 47nF | 2 x 2.2nF |
| 10 AMP | 1 | 2 x 0.17mH | 1 x 15nF | 2 x 2.2nF |
| “ | 2 | 2 x 0.35mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | 2 x 0.17mH | 1 x 47nF | 2 x 2.2nF |

### Part No. Example

BZV03/A0120/02

BZV style Polysnap module with PX0575 IEC power inlet, filter rated at 1 amp, L/C circuit version 2 (L1 = 2 x 10mH, Cx = 1 x 15nF, Cy = 2 x 2.2nF) 6.3mm tabs and single pole red neon switch.

### Filter Specification

**Max. Working Voltage:** 250V a.c. 50-400Hz
**Earth Leakage Current:** <0.35mA (250V. 50Hz)
**Temperature Range:** –25ºC to +85ºC
**Max. Ambient Temp.: (@ Full Load)** 40ºC (derate linearly to 0A @ 85ºC)
**Test Voltage:** 2700V d.c. 2 secs. Lines to Earth
1100V d.c. 2 secs. Live to Neutral

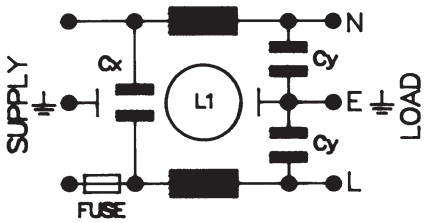
**Approvals:**

**Attenuation Curves:** See PS01/A filter, page 183

# C14 Inlet Single Fuse - Standard Filter

EMI Filter Options

- For Polysnap modules BZV01, BZV02, BZH01, BZH02, BZH11, BZH12, BZH19, BZH20, BVA01, BVA02, BVB01, BVB02
- PF0011 style single fuse IEC inlet
- Using PS21/A style filter
- Standard Attenuation Filter




## How to order -

| B XXXX | / | A | XX | X | X | / | XX |
|---|---|---|---|---|---|---|---|
| **Polysnap Part No.** | | **Filter Type** | **Rating** | **L/C Circuit** | **Additional Components** | | **Polysnap Part No.** |
| From Polysnap Selection | | A = Standard | 01 = 1A<br>03 = 3A<br>06 = 6A | 2 = Version 2<br>3 = Version 3 | 0 = None | | From Polysnap Selection |

| Rating | Version | L1 | Cx | Cy |
|---|---|---|---|---|
| 1 AMP | 1 | | | |
| “ | 2 | | | |
| “ | 3 | 2 x 12mH | 1 x 47nF | 2 x 2.2nF |
| 3 AMP | 1 | | | |
| “ | 2 | 2 x 1.8mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | 2 x 6.5mH | 1 x 47nF | 2 x 2.2nF |
| 6 AMP | 1 | | | |
| “ | 2 | 2 x 0.7mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | 2 x 2mH | 1 x 47nF | 2 x 2.2nF |
| 10 AMP | 1 | | | |
| “ | 2 | | | |
| “ | 3 | | | |

### Part No. Example

BZV01/A0630/01

BZV style Polysnap module with PF0011 single fused (5 x 20mm) IEC power inlet, filter rated at 6 amp, L/C circuit version 3 (L1 = 2 x 2.0mH, Cx = 1 x 47nF, Cy = 2 x 2.2nF), 6.3mm tabs and single pole switch.

### Filter Specification

**Max. Working Voltage:** 250V a.c. 50-400Hz
**Earth Leakage Current:** <0.35mA (250V. 50Hz)
**Temperature Range:** –25ºC to +85ºC
**Max. Ambient Temp.: (@ Full Load)** 40ºC (derate linearly to 0A @ 85ºC)
**Test Voltage:** 2700V d.c. 2 secs. Lines to Earth
1100V d.c. 2 secs. Live to Neutral

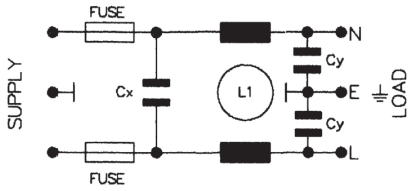
**Approvals:**

**Attenuation Curves:** See PS21/A filter, page 187

# C14 Inlet Twin Fuse - Standard Filter

EMI Filter Option

- For Polysnap modules BZV15, BZV16, BZH13, BZH14, BZH15, BZH16, BZH21, BZH22, BVA15, BVA16, BVB15, BVB16
- PF0033 style twin fuse IEC inlet
- Using PS26/A filter
- Standard Attenuation Filter




## How to order -

| B XXXX | / | A | XX | X | X | / | XX |
|---|---|---|---|---|---|---|---|
| **Polysnap Part No.** | | **Filter Type** | **Rating** | **L/C Circuit** | **Additional Components** | | **Polysnap Part No.** |
| From Polysnap Selection | | A = Standard | 02 = 2A<br>04 = 4A | 2 = Version 2 | 0 = None | | From Polysnap Selection |

| Rating | Version | L1 | Cx | Cy |
|---|---|---|---|---|
| 1 AMP | 1 | | | |
| “ | 2 | | | |
| “ | 3 | 2 x 1.8mH | 1 x 15nF | 2 x 2.2nF |
| 4 AMP | 1 | | | |
| “ | 2 | 2 x 0.7mH | 1 x 15nF | 2 x 2.2nF |
| “ | 3 | | | |

### Part No. Example

BZH13/A0420/00

BZH style Polysnap module with PF0033 twin fused (5 x 20mm) IEC power inlet, filter rated at 4 amps, L/C circuit version 2 (L1 = 2 x 0.7mH, Cx = 1 x 15nF, Cy = 2 x 2.2nF) 6.3mm tabs and no additional components.

### Filter Specification

**Max. Working Voltage:** 250V a.c. 50-400Hz
**Earth Leakage Current:** <0.35mA (250V. 50Hz)
**Temperature Range:** –25ºC to +85ºC
**Max. Ambient Temp.: (@ Full Load)** 40ºC (derate linearly to 0A @ 85ºC)
**Test Voltage:** 2700V d.c. 2 secs. Lines to Earth
1100V d.c. 2 secs. Live to Neutral

**Approvals:**

**Attenuation Curves:** See PS26/A filter, page 189