



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 See Page 192 | |
| PF0011 | C14 Power Inlet with Integral 5 x 20mm Fuseholder | Max. rating 10A. 250V a.c. See Page 136 | |
| PF0033 | C14 Power Inlet with Integral twin 5 x 20mm Fuseholder | Max. rating 10A. 250V a.c. See Page 137 | |
| PX0575 | C14 Power Inlet, Cold condition | Max. rating 10A. 250V a.c. See Page 132 | |
| PX0595 | C16 Power Inlet, Hot Condition | Max. rating 10A. 250V a.c. See Page 138 | |
| PX0695 | Sheet F Power Outlet | Max. rating 10A. 250V a.c. See Page 145 | |
| PX0783 | Sheet F Shuttered Power Outlet | Max. rating 10A. 250V a.c. See Page 146 | |
| PX0598 | C20 Power Inlet | Max. rating 16A, 250V a.c. See Page 148 | |
| VS0001 | Voltage Selector marked 120/240V | Max. rating 6.3A. 120/240V a.c. See Page 114 | |

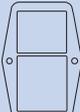
*Filtered options for 6.3mm tag versions only

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

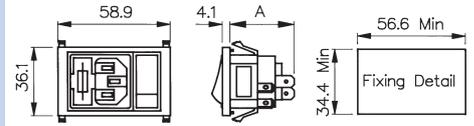
| Style | Inlets | | | | Outlets Sheet F | Inlet/ Outlet Combinations | |
|---|--|--|---|-------------------------------------|-------------------------------------|-------------------------------------|---|
| | C14 | C14 Fused | C16 | C20 | | C14 | C14 Fused |
| Snap to Panel Vertical  | With Single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

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)

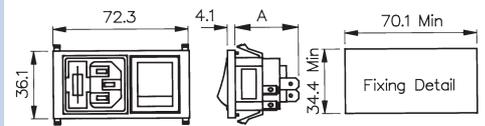
Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

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):

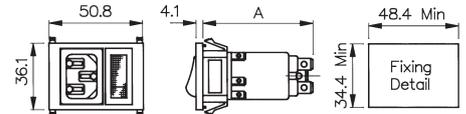
78 = D.P. High Inrush Switch (I/O)
B1 = D.P. High Inrush Green Neon Switch
(I/O)

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):

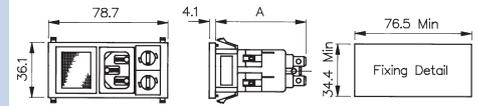
98 = S.P. High Inrush Switch (I/O)

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



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

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

BZV05, BZV06/****/** A = 39.0

How to order -

BZV XX

/ XXXXX

/ XX

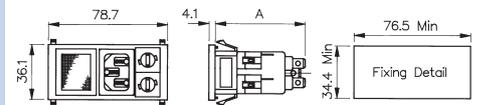
| Type of Inlet / Outlet | Filtered or Non Filtered Inlet | Combination of Other Components | |
|--|---|---|---|
| C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs: | Z0000 = Non Filtered Axxxx = Standard | Twin Fuseholder and Double Pole Switch: 05 = 2 x FX0359 + D.P. Switch | Voltage Selector, Neon Indicator and Double Pole Switch 25 = 1 x VS0001 + 1 x DX0928/110V/Red + D.P. Switch |
| 03 = PX0575/63 04 = PX0575/28 | For Filtered inlet use 6th to 9th characters from filter ordering code see page 178 E.g. BZV03/A0120/07 | 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 | 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 |
| C16 Power Inlet (hot condition), 6.3 or 2.8mm tabs: | | Twin Fuseholder and Neon Indicator: 07 = 2 x FX0359 + Red Neon Indicator | 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 |
| 05 = PX0595/63 06 = PX0595/28 | | Voltage Selector, Fuseholder and Double Pole Switch: 15 = 1 x VS0001 + 1 x FX0359 + Double Pole 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 |
| Please note type 05 and 06 are not available in filtered version | | 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 | 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 |
| | | Voltage Selector, Fuseholder and Neon Indicator: 17 = 1 x VS0001 + 1 x FX0359 + Red Neon Indicator | 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 |
| | | Twin Fuseholder and Double Pole High Inrush Switch: 20 = 2 x FX0359 + D.P. High Inrush Switch | Fuseholder, Blanking Plate and Double Pole Switch: 48 = 1 x FX0359 + 1 x Blanking Plate (Right) + D.P. 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 | |

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



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

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

BZV05, BZV06/*****/** A = 39.0

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

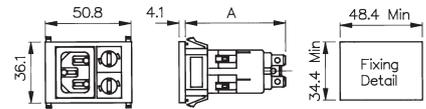
Twin Fuseholder and Double Pole Switch Marked (I/O):
72 = 2 x FX0359 + D.P. Switch (I/O)Twin Fuseholder and Double Pole Neon Switch Marked (I/O):
73 = 2 x FX0359 + D.P. Red Neon Switch (I/O)
75 = 2 x FX0359 + D.P. Green Neon Switch (I/O)
82 = 2 x FX0359 + D.P. Red Neon Switch 125V(I/O)Voltage Selector, 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)

Vertical Module Arrangement



BZV04/Z0000/04

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



BZV03, BZV04/****/** A = 62.5 With Filter,
39.0 Without Filter.

BZV05, BZV06/****/** A = 39.0.

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/A0120/04

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

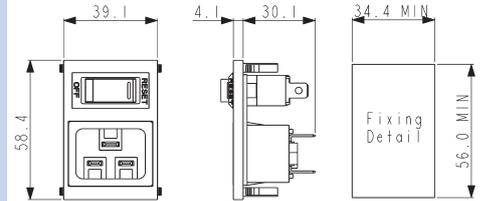
Voltage Selector and Blanking Plate:
B2 = 1 x VS0001 + Blanking Plate

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:

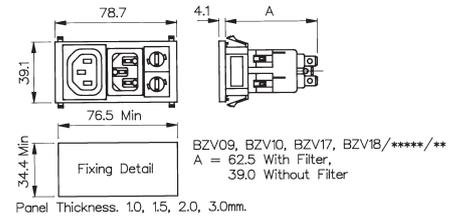
71 = S.P. Switch Illuminated Red (I/O)
74 = S.P. Switch Illuminated Green (I/O)

Vertical Module Arrangement



BZV09/Z0000/04

- Inlet/Outlet Combination
- 2.8mm or 6.3mm tabs
- 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

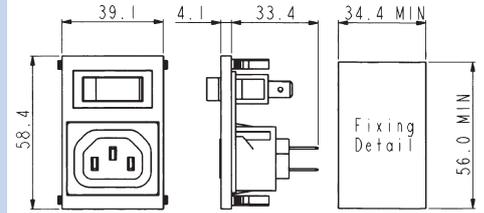
Voltage Selector and Blanking Plate:
B2 = 1 x VS0001 + Blanking Plate

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 -



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)

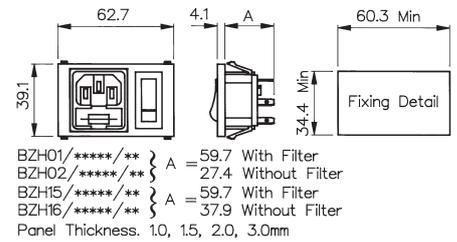
Single Pole High Inrush Switch Marked (I/O):
 98 = S.P. High Inrush Switch (I/O)

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 -

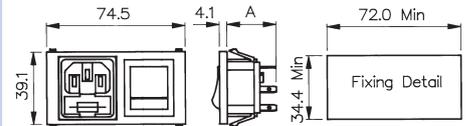
| BZH XX | / XXXXX | / XX |
|---|--|---|
| Type of Inlet / Outlet Single Fused C14 Power Inlet (cold condition), 2.8 or 6.3mm tabs: 01 = PF0011/63 02 = PF0011/28 Twin Fused C14 Power Inlet (cold condition), 2.8 or 6.3mm tabs: 15 = PF0033/63 16 = PF0033/28 | Filtered or Non Filtered Inlet Z0000 = Non 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) |

Horizontal Module Arrangement



BZH01/Z0000/10

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



BZH01/*****/** } A = 59.7 With Filter
 BZH02/*****/** } A = 27.4 Without Filter
 BZH15/*****/** } A = 59.7 With Filter
 BZH16/*****/** } A = 37.9 Without Filter
 Panel Thickness. 1.0, 1.5, 2.0, 3.0mm

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)

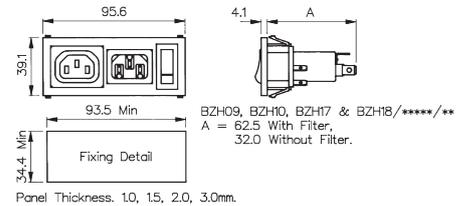
Double Pole High Inrush Switch Marked
(I/O):
78 = D.P. High Inrush Switch (I/O)
B1 = D.P. High Inrush Green Neon Switch
(I/O)

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)

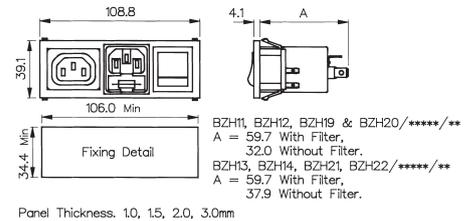
Single Pole High Inrush Switch Marked (I/O):
98 = S.P. High Inrush Switch (I/O)

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)

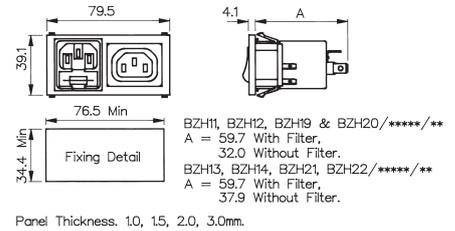
Double Pole High Inrush Switch Marked (I/O):
 78 = D.P. High Inrush Switch (I/O)
 B1 = D.P. High Inrush Green Neon Switch (I/O)

Horizontal Module Arrangement



BZH11/Z0000/00

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



How to order -

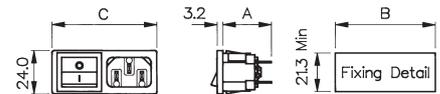
| BZH XX | / XXXXX | / XX |
|---|--|---|
| Type of Inlet / Outlet Single Fused C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power Outlet, 2.8 or 6.3mm tabs: 11 = PF0011/63 + PX0695/63 12 = PF0011/28 + PX0695/28 Twin Fused C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power 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 |

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



Panel Thickness 1.0, 1.5, 2.0, 3.0mm

 BZM27/*****/*** } A = 63.5 With Filter.
 BZM28/*****/*** } A = 29.1 Without Filter.

 B = 54.9 With D.P. Switch. 45.9 With S.P. Switch.
 C = 57.5 With D.P. Switch. 48.5 With S.P. Switch.

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

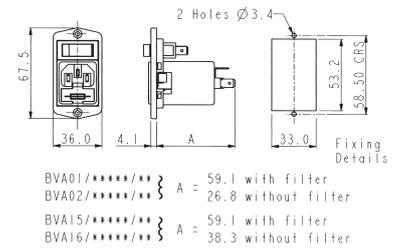
3.0mm = D

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

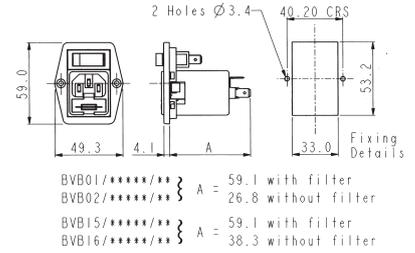


Vertical Module Arrangement



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 |
|---|--|---|---|---|----|
| <p>Flange Type</p> <p>A = Top fixing B = Side fixing</p> | <p>Type of Inlet / Outlet</p> <p>Single Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs: 01 = PF0011/63 02 = PF0011/28</p> <p>Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs: 15 = PF0033/63 16 = PF0033/28</p> | <p>Filtered or Non Filtered Inlet</p> <p>Z0000 = Non Filtered Axxxx = Standard</p> <p>For Filtered inlet use 6th to 9th characters from filter ordering code see pages 179-180 E.g. BVA01/A0620/01</p> | <p>Combination of Other Components</p> <p>Single Pole Switch: 01 = S.P. Switch</p> <p>Single Pole Neon Switch: 02 = S.P. Red Neon Switch 08 = S.P. Green Neon Switch</p> <p>Neon Indicator: 03 = Red Neon Indicator</p> <p>Single Pole High Inrush Switch: 46 = S.P. High Inrush Switch</p> <p>Single Pole Switch Marked I/O: 69 = S.P. Switch (I/O)</p> <p>Single Pole Neon Switch Marked (I/O): 71 = S.P. Red Neon Switch (I/O) 74 = S.P. Green Neon Switch (I/O)</p> <p>Single Pole High Inrush Switch Marked (I/O): 98 = S.P. High Inrush Switch (I/O)</p> | | |

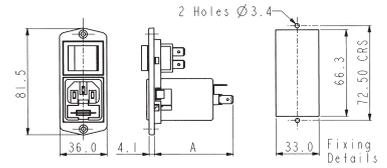


Vertical Module Arrangement



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



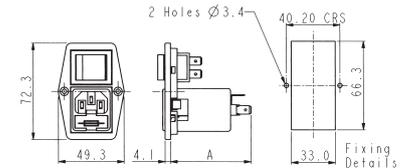
BVA01/*****/** } A = 60.9 with filter
 BVA02/*****/** } A = 26.8 without filter
 BVA15/*****/** } A = 60.9 with filter
 BVA16/*****/** } A = 38.3 without filter

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



BVB01/*****/** } A = 60.9 with filter
 BVB02/*****/** } A = 26.8 without filter
 BVB15/*****/** } A = 60.9 with filter
 BVB16/*****/** } A = 38.3 without filter

How to order -

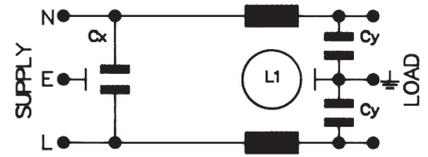
| BV X | XX | / | XXXXX | / | XX |
|-----------------------------------|---|---|---|---|--|
| Flange Type | Type of Inlet / Outlet | | Filtered or Non Filtered Inlet | | Combination of Other Components |
| A = Top fixing B = Side fixing | Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs: 01 = PF0011/63 02 = PF0011/28 Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8mm tabs: 15 = PF0033/63 16 = PF0033/28 | | 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 | | 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) |

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. | Filter Type | Rating | L/C Circuit | Additional Components | Polysnap Part No. |
|-------------------------|--------------|---|---|-----------------------|-------------------------|
| From Polysnap Selection | A = Standard | 01 = 1A 03 = 3A 06 = 6A 10 = 10A | 1 = Version 1 2 = Version 2 3 = Version 3 | 0 = None | 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: | -25°C to +85°C |
| Max. Ambient Temp.: (@ Full Load) | 40°C (derate linearly to 0A @ 85°C) |
| Test Voltage: | 2700V d.c. 2 secs. Lines to Earth 1100V d.c. 2 secs. Live to Neutral |

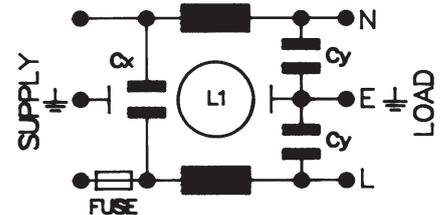
Approvals:

Attenuation Curves: See PS01/A filter, page 183

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 03 = 3A 06 = 6A | 2 = Version 2 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: | -25°C to +85°C |
| Max. Ambient Temp.: | 40°C (derate linearly to 0A @ 85°C) |
| (@ Full Load) | |
| Test Voltage: | 2700V d.c. 2 secs. Lines to Earth 1100V d.c. 2 secs. Live to Neutral |

Approvals:



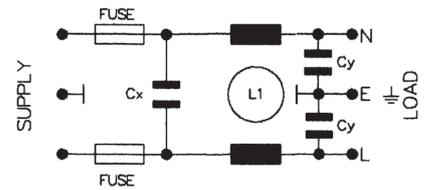
Attenuation Curves:

See PS21/A filter, page 187

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 04 = 4A | 2 = Version 2 | 0 = None | | From Polysnap Selection |

| Rating | Version | L1 | Cx | Cy | Part No. Example |
|--------|---------|-----------|----------|-----------|--|
| 1 AMP | 1 | | | | 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. |
| " | 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 | | | | |

Filter Specification

| | |
|--|---|
| Max. Working Voltage: | 250V a.c. 50-400Hz |
| Earth Leakage Current: | <0.35mA (250V, 50Hz) |
| Temperature Range: | -25°C to +85°C |
| Max. Ambient Temp.: (@ Full Load) | 40°C (derate linearly to 0A @ 85°C) |
| 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