

## Polysnap ${ }^{\circledR}$

With over 26,000 combinations Bulgin's Polysnap ${ }^{\text {® }}$ mains power inlet modules offer a very adaptable and flexible solution to panel design.

Polysnap ${ }^{\circledR}$ offer combinations of mains inlets and outlets, filtered inlets, switches, fuseholders, voltage selectors, indicators and circuit breakers 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.

To complement Polysnap ${ }^{\circledR}$ the new Polyflange 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.

| Type | Page |
| :--- | ---: |
| BZV Series | $76-86$ |
| BZH Series | $87-91$ |
| BZM Series | 92 |
| BVA \& BVB Series | $93-94$ |
| Filtered Bezel Options | $95-100$ |

Components used in Polysnap ${ }^{\circledR}$ and Polyflange Power Inlet 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 | 110 V or 250 V a．c．／d．c．working |  |
| FX0359 | $5 \times 20 \mathrm{~mm}$ Fuseholder | Max．rating 10A．250V See Page 138 | 會게（SA）（1）＊＊＊ending |
| PF0011 | C14 Power Inlet with Integral $5 \times 20 \mathrm{~mm}$ Fuseholder | Max．rating 10A． 250 V a．c． <br> See Page 54 | 會T（SP）（S） |
| PF0033 | C14 Power Inlet with Integral twin $5 \times 20 \mathrm{~mm}$ Fuseholder | Max．rating 10A． 250 V a．c． <br> See Page 55 | 會T（SP）（¢） |
| PX0575 | C14 Power Inlet，Cold condition | Max．rating 10A． 250 V a．c． See Page 50 | 會耳）（\＄1）（S）（H） |
| PX0595 | C16 Power Inlet，Hot Condition | Max．rating 10A． 250 V a．c． See Page 56 |  |
| PX0695 | Sheet F Power Outlet | Max．rating 10A．250V a．c． See Page 63 | 啨7（SH）（S） |
| PX0783 | Sheet F Shuttered Power Outlet | Max．rating 10A． 250 V a．c． <br> See Page 64 | 會耳（S¢）（S） |
| PX0598 | C20 Power Inlet | Max．rating 16A， 250 V a．c． See Page 59 | 金耳（SA |
| VS0001 | Voltage Selector marked 120／240V | Max．rating 6．3A．120／240V a．c． See Page 176 | 含（\＄1） |

SWITCHES，INDICATORS AND CIRCUIT BREAKERS


OVERVIEW OF POLYSNAP MODULES


## C14 IEC Fused Inlet - Vertical

VERTICAL MODULE ARRANGEMENT


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


## How to Order



## Type of Inlet / Outlet

Filtered or Non Filtered Inlet
Combination of Other Components

Single Fused C14 Power Inlet (cold condition),
6.3 or 2.8 mm tabs:
$01=$ PF0011/63
$02=$ PF001 1/28

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

Z0000 $=$ Non Filtered
Axxxx $=$ Standard
Bxxxx $=$ Medical
Cxxxx $=$ High Performance Standard
(Single Fuse Version only)

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 97-100.
E.g. BZVO1/A0620/01

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
$\mathbf{0 2}=$ 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)

[^0]
## C14 IEC Fused Inlet - Vertical



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

| How to Order |  |  |
| :---: | :---: | :---: |
| Type of Inlet / Outlet | Filtered or Non Filtered Inlet | Combination of Other Components |
| Single Fused C14 Power Inlet (cold condition), 6.3 or 2.8 mm tabs: $\begin{aligned} & \mathbf{0 1}=\text { PF0011/63 } \\ & \mathbf{0 2}=\text { PF0011/28 } \end{aligned}$ <br> Twin Fused C14 Power Inlet (cold condition), 6.3 or 2.8 mm tabs: $\begin{aligned} & 15=P F 0033 / 63 \\ & 16=\text { PF0033/28 } \end{aligned}$ | Z0000 $=$ Non Filtered <br> Axxxx $=$ Standard <br> Bxxxx $=$ Medical <br> Cxxxx $=$ High Performance Standard (Single Fuse Version only) <br> For Filtered inlet use 6th to 9th characters from filter ordering code see pages 97-100. <br> E.g. BZV01/A0620/10 | Neon Indicator: <br> D3 $=$ Red Neon Indicator <br> Double Pole Switch: <br> $\mathbf{1 0}=$ D.P. Switch <br> Double Pole Neon Switch: <br> 11 = D.P. Red Neon Switch <br> 12 = D.P. Green Neon Switch <br> Double Pole High Inrush Switch: <br> 13 = D.P. High Inrush Switch <br> Double Pole Switch Marked I/O: <br> $\mathbf{7 0}=$ D.P. Switch (I/O) <br> Double Pole Neon Switch Marked (I/O): <br> 76 = D.P. Red Neon Switch (I/O) <br> 77 = D.P. Green Neon Switch (I/O) <br> Double Pole High Inrush Switch Marked ( $\mathrm{I} / \mathrm{O}$ ): <br> $\mathbf{7 8}=$ D.P. High Inrush Switch (I/O) <br> B1 = D.P. High Inrush Green Neon Switch (I/O) |

[^1]
## C14 and C16 IEC Inlet - Vertical

VERTICAL MODULE ARRANGEMENT


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


## How to Order



## Type of Inlet / Outlet

Filtered or Non Filtered Inlet
Combination of Other Components

C14 Power Inlet (cold condition), 6.3 or 2.8 mm tabs:
$\mathbf{0 3}=$ PX0575/63
$\mathbf{0 4}=$ PX0575/28

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

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

Z0000 = Non Filtered
Axxxx $=$ Standard
$B x x x x=$ Medical

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 95-96.
E.g. BZV03/A0120/02

Single Pole Switch:
01 = S.P. Switch

Single Pole Neon Switch:
$\mathbf{0 2}=$ S.P. Red Neon Switch
$08=$ S.P. Green Neon Switch

Neon Indicator:
$\mathbf{0 3}$ = 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)

[^2]
## C14 and C16 IEC Inlet with Circuit Breaker




Note: For technical details of individual components also see page 74


Time in Seconds
Trip Curves are Specified at $25^{\circ} \mathrm{C} / 77^{\circ} \mathrm{F}$

Capacity Correction Factors for Ambient Temperatures Current Rating 5 to 15A

| Temperature ${ }^{\circ} \mathrm{C}$ | -10 | -20 | -25 | -30 | -40 | -50 | -60 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Correction Factor | .90 | .95 | 1.00 | 1.10 | 1.32 | 1.61 | 2.15 |

Circuit Breaker Approvals:


## C14 and C16 IEC Inlet - Vertical

## VERTICAL MODULE ARRANGEMENI



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


Panel Thickness. $1.0,1.5,2.0,3.0 \mathrm{~mm}$.
BZVO3, BZVO4/*****/** A $=62.5$ With Filter 39.0 Without Fiter

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 2.8 mm tabs:
$\mathbf{0 3}=\mathrm{PX} 0575 / 63$
$04=$ PX0575/28

C16 Power Inlet (hot condition), 6.3 or 2.8 mm tabs:
$05=P \times 0595 / 63$
06 = PX0595/28

Please note type 05 and 06 are not available in filtered version
$Z 0000=$ Non Filtered
Axxxx $=$ Standard
$B x x x x=$ Medical

For Filtered inlet use 6th to 9th characters from filter ordering code see pages 95-96.
E.g. BZV03/A0120/07

Twin Fuseholder and Double Pole Switch:
$\mathbf{0 5}=2 \times$ FX0359 + D.P. Switch
Twin Fuseholder and Double Pole Neon Switch:
$06=2 \times$ FX0359 + D.P. Red Neon
Switch
$\mathbf{0 9}=2 \times$ FX0359 + D.P. Green Neon Switch
$19=2 \times$ FX0359 + D.P. Red Neon Switch 125V

Twin Fuseholder and Neon Indicator: $\mathbf{0 7}=2 \times$ FX0359 + Red Neon Indicator

Voltage Selector, Fuseholder and Double Pole Switch:
$15=1 \times$ VSOOO1 $+1 \times$ FX0359 + Double Pole switch

Voltage Selector, Fuseholder and Double Pole Neon Switch:
$\mathbf{1 6}=1 \times$ VS0001 $+1 \times$ FX0359 + D.P.
Red Neon Switch
$\mathbf{1 8}=1 \times$ VS0001 $+1 \times$ FX0359 + D.P.
Green Neon Switch
Voltage Selector, Fuseholder and Neon Indicator:
$\mathbf{1 7}=1 \times$ VS0001 $+1 \times$ FX0359 + Red Neon Indicator

Twin Fuseholder and Double Pole High Inrush Switch:
$\mathbf{2 0}=2 \times$ FX0359 + D.P. High Inrush Switch

Twin Fuseholder and Double Pole High Inrush Neon Switch:
$\mathbf{2 1}=2 \times$ FX0359 $+1 \times$ D.P. High Inrush Green Neon Switch
$\mathbf{2 2}=2 \times$ FX0359 + $1 \times$ D.P. High Inrush Red Neon Switch

Voltage Selector, Neon Indicator and Double Pole Switch
$\mathbf{2 5}=1 \times$ VS0001 $+1 \times$ DX0928/110V/Red + D.P. Switch
$\mathbf{2 6}=1 \times$ VS0001 $+1 \times$
DX0928/110V/Green + D.P. Switch
$27=1 \times$ VS0001 $+1 \times$
DX0928/250V/Red + D.P. Switch
$\mathbf{2 8}=1 \times$ VSOOO1 $+1 \times$
DX0928/250V/Green + D.P. Switch
Voltage Selector, Neon Indicator and Double Pole High Inrush Switch:
$29=1 \times V S 0001+1 \times$
DX0928/250V/Red + D.P. High Inrush Switch
$30=1 \times V S 0001+1 \times$ DX0928/250V/Green + D.P. High Inrush Switch

Fuseholder, Neon Indicator and Double Pole Switch
$31=1 \times$ FX0359 $+1 \times$
DX0928/110V/Red + D.P. Switch
$32=1 \times$ FX0359 $+1 \times$
DX0928/110V/Green + D.P. Switch
$33=1 \times$ FX0359 $+1 \times$
DX0928/250V/Red + D.P. Switch
$34=1 \times$ Fx0359 $+1 \times$
DX0928/250V/Green + D.P. Switch
Fuseholder, Neon Indicator and Double Pole High Inrush Switch:
$35=1 \times$ FX0359 $+1 \times$ DX0928/250V/Red + D.P. High Inrush Switch
$36=1 \times$ FX0359 $+1 \times$
DX0928/250V/Green + D.P. High Inrush Switch

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

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



## C14 and C16 IEC Inlet - Vertical

## VERTICAL MODULE ARRANGEMENT



| How to Order |  |  |
| :---: | :---: | :---: |
| Type of Inlet / Outlet | Filtered or Non Filtered Inlet | Combination of Other Components |
| C14 Power Inlet (cold condition), 6.3 or 2.8 mm tabs: | $\begin{aligned} & z 0000=\text { Non Filtered } \\ & \text { Axxxx = Standard } \end{aligned}$ | Twin Fuseholder: $\mathbf{0 4}=2 \times \text { FX0359 }$ |
| $\begin{aligned} & \mathbf{0 3}=P X 0575 / 63 \\ & \mathbf{0 4}=P X 0575 / 28 \end{aligned}$ | Bxxxx $=$ Medical | Voltage Selector and Fuseholder: |
| C16 Power Inlet (hot condition), 6.3 or 2.8 mm tabs: |  | $\mathbf{1 4}=1 \times \text { V50001 }+1 \times \text { FX0359 }$ |
| $\begin{aligned} & \mathbf{0 5}=\text { PX0595/63 } \\ & \mathbf{0 6}=\text { PX0595/28 } \end{aligned}$ |  | Voltage selector and Neon: $\begin{aligned} & \mathbf{3 7}=1 \times \text { VS0001 + DX0928/110V/Red } \\ & \mathbf{3 8}=1 \times \text { VS0001 + DX0928/110V/Green } \\ & \mathbf{3 9}=1 \times \text { VS0001 + DX0928/250V/Red } \\ & \mathbf{4 0}=1 \times \text { VS0001 + DX0928/250V/Green } \end{aligned}$ |
| Please note type 05 and 06 are not available in filtered version |  | Fuseholder and Neon: |
|  | For Filtered inlet use 6th to 9th characters from filter ordering code see pages 95-96. E.g. BZV04/A0120/04 | $\begin{aligned} & \mathbf{4 1}=1 \times \text { FX0359 + DX0928/110V/Red } \\ & \mathbf{4 2}=1 \times \text { FX0359 + DX0928/1 10V/Green } \\ & \mathbf{4 3}=1 \times \text { FX0359 + DX0928/250V/Red } \\ & \mathbf{4 4}=1 \times \text { FX0359 + DX0928/250V/Green } \end{aligned}$ <br> Fuseholder and Blanking Plate: $45=1 \times \text { FX0359 + Blanking Plate }$ $\text { B2 }=1 \times \text { VS0001 + Blanking Plate }$ |

[^3]

| How to Order | BZV xx / xxxxx / xx |  |
| :---: | :---: | :---: |
| Type of Inlet | Filtered or Non Filtered Inlet | Combination of Other Components |
| C20 Power Inlet (cold condition), 4.8 or 6.3 mm tabs: $\begin{aligned} & \mathbf{4 9}=\text { PX0598/63 } \\ & \mathbf{5 0}=\text { PX0598/48 } \end{aligned}$ | Z0000 $=$ Non Filtered | Single Pole Switch: <br> 01 = S.P. Switch <br> Single Pole Switch Marked (I/O): <br> 69 = S.P. Switch (I/O) <br> Single Pole Illuminated Switch: <br> 02 = S.P. Illuminated Red <br> 08 = S.P. Illuminated Green <br> Single Pole Non-illuminated High Inrush Switch Marked I/O: <br> 98 = S.P. High Inrush Switch (I/O) <br> Single Pole Illuminated (Red or Green 250v Neon) Switch Marked I/O: <br> 71 = S.P. Switch Illuminated Red (I/O) <br> 74 = S.P. Switch Illuminated Green (I/O) |

[^4]
## C14 IEC Inlet/Sheet F IEC Outlet - Vertical

VERTICAL MODULE ARRANGEMENT


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


| How to Order |  |  |
| :---: | :---: | :---: |
| Type of Inlet / Outlet | Filtered or Non Filtered Inlet | Combination of Other Components |
| C14 Power Inlet (cold condition) and Sheet F Non-shuttered Power Outlet, 2.8 or 6.3 mm tabs: $\begin{aligned} & \mathbf{0 9}=P X 0575 / 63+P X 0695 / 63 \\ & \mathbf{1 0}=P X 0575 / 28+P X 0695 / 28 \end{aligned}$ <br> C14 Power Inlet (cold condition) and Sheet F Shuttered Power Outlet, 2.8 or 6.3 mm tabs: $\begin{aligned} & \mathbf{1 7}=\text { PX0575/63 }+ \text { PX0783/63 } \\ & \mathbf{1 8}=\text { PX0575/28 }+ \text { PX0783/28 } \end{aligned}$ | Z0000 $=$ Non Filtered <br> Axxxx $=$ Standard <br> $B x x x x=$ Medical <br> For Filtered inlet use 6th to 9th characters from filter ordering code see pages 95-96. <br> E.g. BZV09/A0120/04 | Twin Fuseholder: $04=2 \times \text { FX0359 }$ <br> Voltage Selector and Fuseholder: $\mathbf{1 4}=1 \times V S 0001+1 \times \text { FX0359 }$ <br> Voltage selector and Neon: $\begin{aligned} & \mathbf{3 7}=1 \times \text { VS0001 + DX0928/110V/Red } \\ & \mathbf{3 8}=1 \times \text { VS0001 + DX0928/110V/Green } \\ & \mathbf{3 9}=1 \times \text { VS0001 + DX0928/250V/Red } \\ & \mathbf{4 0}=1 \times \text { VS0001 }+ \text { DX0928/250V/Green } \end{aligned}$ <br> Fuseholder and Neon: $\begin{aligned} & \mathbf{4 1}=1 \times \text { FX0359 + DX0928/110V/Red } \\ & \mathbf{4 2}=1 \times \text { FX0359 + DX0928/110V/Green } \\ & \mathbf{4 3}=1 \times \text { FX0359 + DX0928/250V/Red } \\ & \mathbf{4 4}=1 \times \text { FX0359 + DX0928/250V/Green } \end{aligned}$ <br> Fuseholder and Blanking Plate: $\mathbf{4 5}=1 \times \text { FX0359 + Blanking Plate }$ $\text { B2 }=1 \times \text { VS0001 + Blanking Plate }$ |

[^5]
## Sheet F IEC Outlet - Vertical



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


|  | BZV xx / xxxxx / xx |  |
| :---: | :---: | :---: |
| Type of Outlet | Non Filtered Outlet | Combination of Other Components |
| Sheet F Power Outlet (non shuttered), 6.3 or 2.8 mm tabs: $\begin{aligned} & \mathbf{4 5}=P \times 0695 / 63 \\ & \mathbf{4 6}=\text { PX0695/28 } \end{aligned}$ <br> Sheet F Power Outlet (shuttered), 6.3 or 2.8 mm tabs: $\begin{aligned} & \mathbf{4 7}=\text { PX0783/63 } \\ & \mathbf{4 8}=\text { PX0783/28 } \end{aligned}$ | z0000 $=$ Non Filtered | Single Pole Switch: <br> $01=$ S.P. Switch <br> Single Pole Neon Switch: <br> $02=$ S.P. Red Neon Switch <br> $08=$ S.P. Green Neon Switch <br> Neon Indicator: <br> 03 = Red Neon Indicator <br> Single Pole High Inrush Switch: <br> 46 = S.P. High Inrush Switch <br> Single Pole Switch Marked I/O: <br> 69 = S.P. Switch (I/O) <br> Single Pole Neon Switch Marked (I/O): <br> 71 = S.P. Red Neon Switch (I/O) <br> $\mathbf{7 4}=$ S.P. Green Neon Switch (I/O) <br> Single Pole High Inrush Switch Marked (I/O): <br> $98=$ S.P. High Inrush Switch (I/O) |

[^6]
[^0]:    Note: For technical details of individual components please see page 74

[^1]:    Note: For technical details of individual components please see page 74

[^2]:    Note: For technical details of individual components please see page 74

[^3]:    Note: For technical details of individual components please see page 74

[^4]:    Note: For technical details of individual components please see page 74

[^5]:    Note: For technical details of individual components please see page 74

[^6]:    Note: For technical details of individual components please see page 74

