

Designed to reduce conducted mains borne EMI, this extensive range
provides many solutions to EMI problems. To meet individual design
requirements the filters are available with two attenuation options -
standard and medical. Current ratings are from 1 to 10 amps
with single or twin fused types also available.
The choice of mounting options will suit most applications with flange, snap to panel or base/bulkhead.

| Flange and Snap Fit |  |
| :--- | ---: |
| PS00 Series | $314-315$ |
| PS01 Series | $314-315$ |
|  |  |
| Base Mounting and Bulkhead |  |
| PS02 Series | $316-317$ |
| PS03 Series | $316-317$ |
|  |  |
| Fused Inlets | $318-319$ |
| PS20 Series | $318-319$ |
| PS21 Series | $320-321$ |
| PS25 Series | $320-321$ |



Flange PSOO/A

- 1, 3, 6 or 10 Amp Current Rating
- 3 Alternative Circuits
- No additional components
- 6.3 mm tabs


WHEN 1OA VERSION 2 or SURGE PROTECTION (ALL RATINGS) REQURED $A=60.2 \quad B=47.7$
Snap Fit

How to order -


| Rating | Version | L1 | Cx | Cy |
| :--- | :--- | :--- | :--- | :--- |
| 1 AMP | 1 | $2 \times 2.8 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 10 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 10 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| 3 AMP | 1 | $2 \times 0.75 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 1.8 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 1.8 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| 6 AMP | 1 | $2 \times 0.3 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 0.7 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 0.7 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
|  |  |  |  |  |
| 10 AMP | 1 | $2 \times 0.17 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 0.35 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 0.17 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |

## Version 1



## Version 2




## Version 3




## How to order -



| Specification | PS02/Axxxx/xx | PS03/Axxxx/xx | Part No. Example |
| :---: | :---: | :---: | :---: |
| Max. Working Voltage: | 250 V a.c. $50-400 \mathrm{~Hz}$ | 250 V a.c. $50-400 \mathrm{~Hz}$ | PS02/A0120/63 |
| Earth Leakage Current: | $<0.35 \mathrm{~mA}(250 \mathrm{~V}, 50 \mathrm{~Hz})$ | $<0.35 \mathrm{~mA}(250 \mathrm{~V}, 50 \mathrm{~Hz})$ | PSO2 series, standard base mounting filter, rated at 3 amperes. L/C circuit version 1, i.e. $\mathrm{L} 1=2 \times 0.75 \mathrm{mH}, \mathrm{Cx}=$ $15 \mathrm{nF}, \mathrm{Cy}=2 \times 2.2 \mathrm{nF}$ with 2.8 mm tabs. |
| Temperature Range: | $-25^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | $-25^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |
| Max. Ambient Temp: (@ Full Load) | $40^{\circ} \mathrm{C}$ (derate linearly to 0A @ $85^{\circ} \mathrm{C}$ ) | $40^{\circ} \mathrm{C}$ (derate linearly to 0A @ 85 ${ }^{\circ} \mathrm{C}$ ) |  |
| Test Voltage: | 2700 l d.c. 2 secs. Lines to Earth | 2700 d.c. 2 secs. Lines to Earth |  |
|  | 1100 V d.c. 2 secs. Live to Neutral | 1100 V d.c. 2 secs. Live to Neutral |  |
| Approvals: |  |  |  |
| RoHS | Compliant | Compliant |  |


| Rating | Version | L1 | Cx | Cy |
| :--- | :--- | :--- | :--- | :--- |
| 1 AMP | 1 | $2 \times 2.8 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 10 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 10 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| 3 AMP | 1 |  |  |  |
| " | 2 | $2 \times 0.75 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 1.8 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
|  |  |  | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| 6 AMP | 1 | $2 \times 0.3 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 0.7 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 0.7 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
|  |  |  |  |  |
| 10 AMP | 1 | $2 \times 0.17 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 2 | $2 \times 0.35 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 0.17 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |

## Version 1






## Version 2




## Version 3





How to order -


| Specification | PS20/Axxx0/xx00 | PS21/Axxx0/xxxx | Part No. Example |
| :---: | :---: | :---: | :---: |
| Max. Working Voltage: | 250 V a.c. $50-400 \mathrm{~Hz}$ | 250 V a.c. $50-400 \mathrm{~Hz}$ | PS20/A0620/63 |
| Earth Leakage Current: | $<0.35 \mathrm{~mA}(250 \mathrm{~V}, 50 \mathrm{~Hz})$ | $<0.35 \mathrm{~mA}(250 \mathrm{~V}, 50 \mathrm{~Hz})$ | PS20 series, flange fitting, standard filtered IEC power inlet, single fused, rated at 6 amperes. L/C circuit version 2, i.e L1 = 2 $x 0.7 \mathrm{mH}, \mathrm{Cx}=1 \times 15 \mathrm{nF}, \mathrm{Cy}=2$ $\times 2.2 \mathrm{nF}$. 6.3 mm tabs. |
| Temperature Range: | $-25^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ | $-25^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |  |
| Max. Ambient Temp: <br> (@ Full Load) | $40^{\circ} \mathrm{C}$ (derate linearly to 0 A @ $85^{\circ} \mathrm{C}$ ) | $40^{\circ} \mathrm{C}$ (derate linearly to $0 \mathrm{~A} @ 85^{\circ} \mathrm{C}$ ) |  |
| Test Voltage: | 2700 V d.c. 2 secs. Lines to Earth | 2700 V d.c. 2 secs. Lines to Earth |  |
|  | 1100 V d.c. 2 secs. Live to Neutral | 1100 V d.c. 2 secs. Live to Neutral |  |
| Approvals: |  | 疑 |  |
| RoHS | Compliant | Compliant |  |


| Rating | Version | L1 | Cx | Cy |
| :--- | :--- | :--- | :--- | :--- |
| 1 AMP | 1 |  |  |  |
| " | 2 |  |  |  |
| " | 3 | $2 \times 10 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| 3 AMP | 1 |  |  |  |
| " | 2 | $2 \times 1.8 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 6.5 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| 6 AMP | 1 |  |  |  |
| " | 2 | $2 \times 0.7 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 | $2 \times 2 \mathrm{mH}$ | $1 \times 47 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |

## Version 2



## Version 3




How to order -


| Specification | PS25/Axx2x/xx00 | PS26/Axx2x/xxxx | Part No. Example |
| :---: | :---: | :---: | :---: |
| Max. Working Voltage: | 250 V a.c. $50-400 \mathrm{~Hz}$ | 250 V a.c. $50-400 \mathrm{~Hz}$ | PS20/A0620/63 |
| Earth Leakage Current: | 2.5W per fuse | 2.5W per fuse | PS20 series, flange fitting, standard filtered IEC power inlet, |
| Temperature Range: | $<0.35 \mathrm{~mA}(250 \mathrm{~V}, 50 \mathrm{~Hz})$ | $<0.35 \mathrm{~mA}(250 \mathrm{~V}, 50 \mathrm{~Hz})$ | single fused, rated at 6 amperes. L/C circuit version 2, i.e L1 = 2 |
| Max. Ambient Temp: <br> (@ Full Load) | $40^{\circ} \mathrm{C}$ (derate linearly to $0 \mathrm{~A} @ 85^{\circ} \mathrm{C}$ ) | $40^{\circ} \mathrm{C}$ (derate linearly to $0 \mathrm{~A} @ 85^{\circ} \mathrm{C}$ ) | $\begin{aligned} & \times 0.7 \mathrm{mH}, \mathrm{Cx}=1 \times 15 \mathrm{nF}, \mathrm{Cy}=2 \\ & \times 2.2 \mathrm{nF} .6 .3 \mathrm{~mm} \text { tabs. } \end{aligned}$ |
| Test Voltage: | 2700 V d.c. 2 secs. Lines to Earth | 2700 V d.c. 2 secs. Lines to Earth |  |
|  | 1100 d d.c. 2 secs. Live to Neutral | 1100 d d.c. 2 secs. Live to Neutral |  |
| Approvals: | -11 | 제N |  |
| Mating Connectors | PX0587, PX0587/SE, PX0588 | PX0587, PX0587/SE, PX0588 |  |
| Accessories | P.No. 14340 (see page 151) | P.No. 14340 (see page 151) |  |
| RoHS | Compliant | Compliant |  |

Rating \& Version Table

| Rating | Version | L1 | Cx | Cy |
| :--- | :--- | :--- | :--- | :--- |
| 1 AMP | 1 |  |  |  |
| "" | 2 | $2 \times 1.8 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 |  |  |  |
| 3 AMP | 1 |  |  |  |
| " | 2 | $2 \times 0.7 \mathrm{mH}$ | $1 \times 15 \mathrm{nF}$ | $2 \times 2.2 \mathrm{nF}$ |
| " | 3 |  |  |  |

## Version 2




