



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

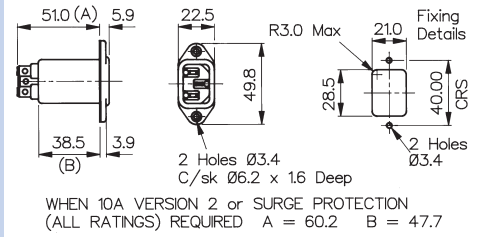
|             |         |
|-------------|---------|
| PS20 Series | 318-319 |
| PS21 Series | 318-319 |
| PS25 Series | 320-321 |
| PS26 Series | 320-321 |

Panel Mounting



Flange PS00/A

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

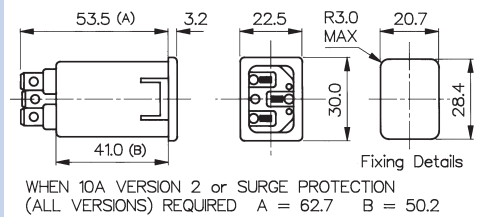


Snap Fit



Snap Fit PS01/A

- 1, 3, 6 or 10 Amp Current Rating
- 3 Alternative Circuits
- No additional components
- 6.3mm tabs
- 1, 1.5, 2 or 3mm panels



How to order -

|                  |               |                    |                              |   |                                   |                          |                              |
|------------------|---------------|--------------------|------------------------------|---|-----------------------------------|--------------------------|------------------------------|
| PS00/A or PS01/A | XX            | X                  | 0                            | / | 63                                | XX                       |                              |
| <b>Series</b>    | <b>Rating</b> | <b>L/C Circuit</b> | <b>Additional Components</b> |   | <b>Tag Type and Configuration</b> | <b>Panel Thickness</b>   | <b>Circuit Board Diagram</b> |
| PS00/A           | 01 = 1A       | 1 = Version 1      | 0 = None                     |   | 63 = 6.3mm tabs                   | 00 = Flange              |                              |
| PS01/A           | 03 = 3A       | 2 = Version 2      |                              |   |                                   | 10 = 1.0mm               |                              |
|                  | 06 = 6A       | 3 = Version 3      |                              |   |                                   | 15 = 1.5mm               |                              |
|                  | 10 = 10A      |                    |                              |   |                                   | 20 = 2.0mm<br>30 = 3.0mm |                              |

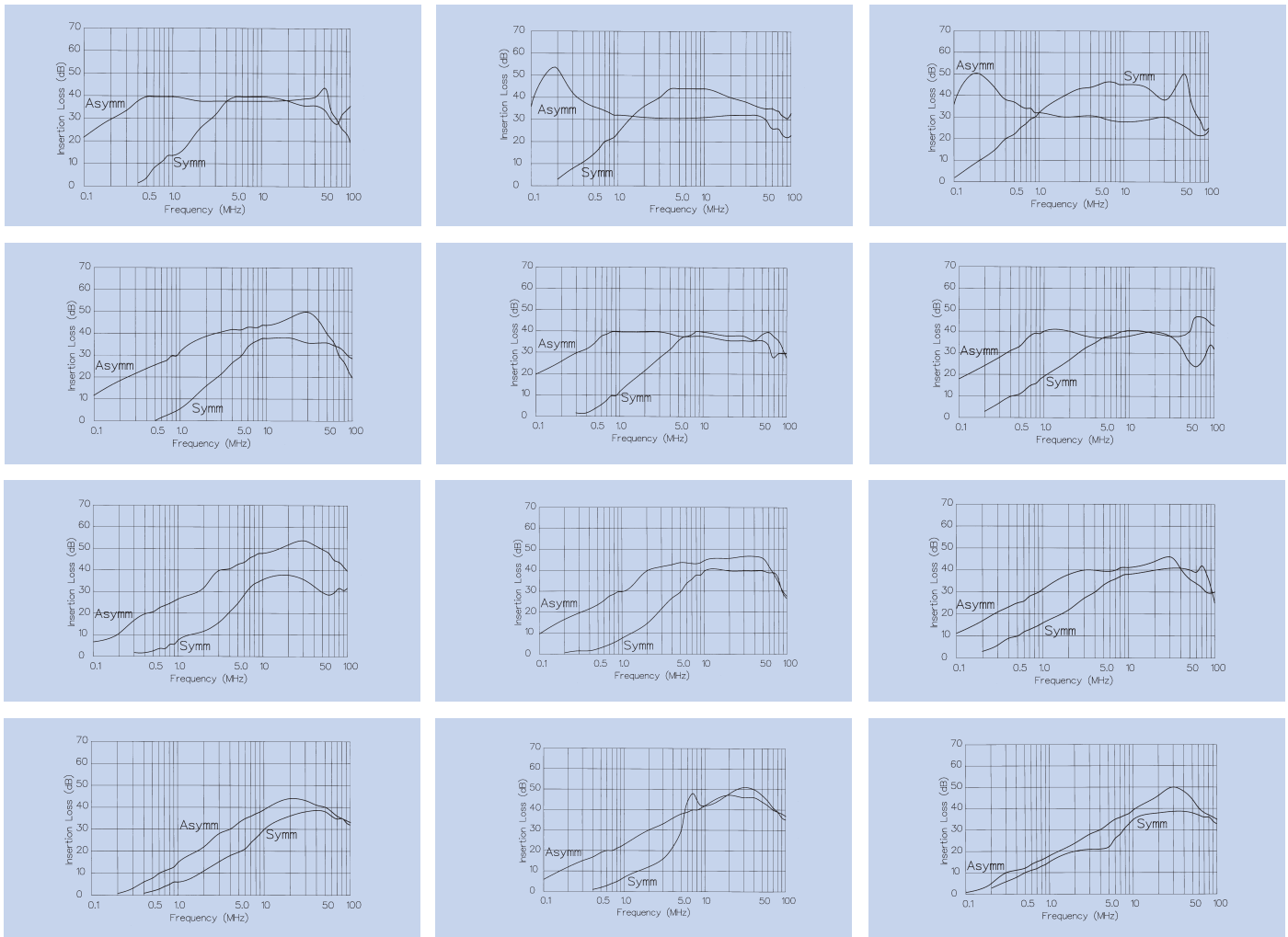
| Specification                    | PS00/Axxxx/xx00   | PS01/Axxxx/xxxx   | Part No. Example   |
|----------------------------------|---|---|--|
| Max. Working Voltage:            | 250V a.c. 50-400Hz  | 250V a.c. 50-400Hz  | <b>PS00/A0120/6300</b>   |
| Earth Leakage Current:           | <0.35mA (250V, 50Hz)  | <0.35mA (250V, 50Hz)  | PS00 series, flange fitting, standard filtered IEC power inlet, rated at 1 ampere. L/C circuit version 2, i.e. L1 = 2 x 10mH, Cx = 15nF, Cy = 2 x 2.2nF. 6.3mm tabs. |
| Temperature Range:               | -25°C to +85°C  | -25°C to +85°C  |  |
| Max. Ambient Temp: (@ Full Load) | 40°C (derate linearly to 0A @ 85°C)                                     | 40°C (derate linearly to 0A @ 85°C)                                     |  |
| Test Voltage:                    | 2700V d.c. 2 secs. Lines to Earth<br>1100V d.c. 2 secs. Live to Neutral | 2700V d.c. 2 secs. Lines to Earth<br>1100V d.c. 2 secs. Live to Neutral |  |
| Approvals:                       |   |   |  |
| Mating Connectors:               | PX0587, PX0587/SE, PX0588   | PX0587, PX0587/SE, PX0588   |  |
| <b>RoHS</b>                      | Compliant   | Compliant   |  |

| 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 |

### Version 1

### Version 2

### Version 3

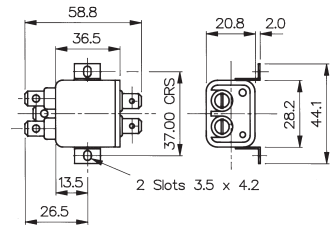


Base Mounting



Base Mounting PS02/A

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

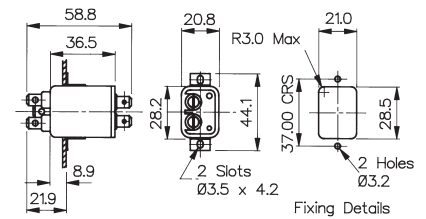


Bulkhead Mounting



Bulkhead Mounting PS03/A

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



How to order -

|                        |               |                    |                              |          |                                   |                              |
|------------------------|---------------|--------------------|------------------------------|----------|-----------------------------------|------------------------------|
| PS02/A<br>or<br>PS03/A | <b>XX</b>     | <b>X</b>           | <b>0</b>                     | <b>/</b> | <b>63</b>                         |                              |
| <b>Series</b>          | <b>Rating</b> | <b>L/C Circuit</b> | <b>Additional Components</b> |          | <b>Tag Type and Configuration</b> | <b>Circuit Board Diagram</b> |
| PS02/A                 | 01 = 1A       | 1 = Version 1      | 0 = None                     |          | 63 = 6.3mm tabs                   |                              |
| PS03/A                 | 03 = 3A       | 2 = Version 2      |                              |          |                                   |                              |
|                        | 06 = 6A       | 3 = Version 3      |                              |          |                                   |                              |
|                        | 10 = 10A      |                    |                              |          |                                   |                              |

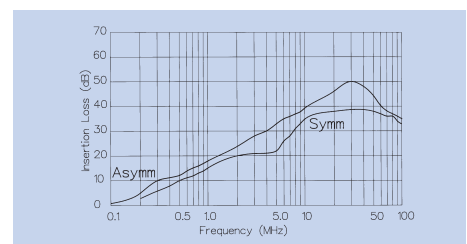
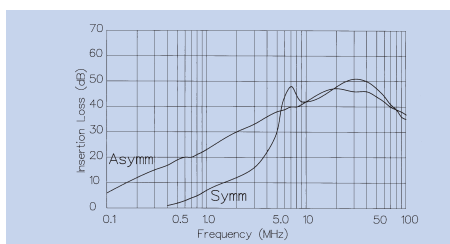
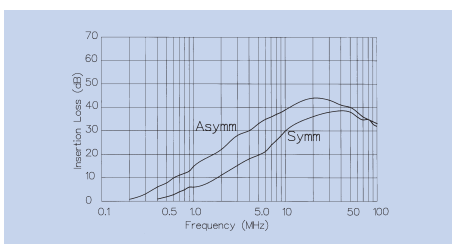
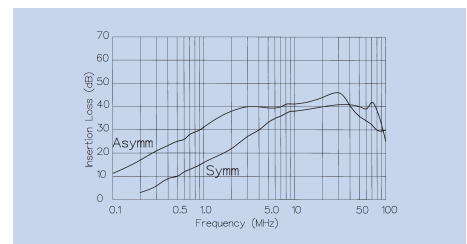
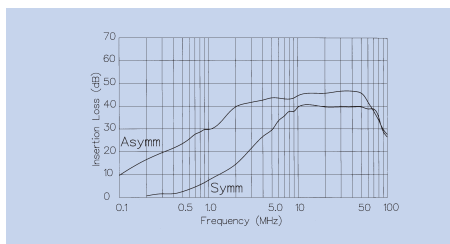
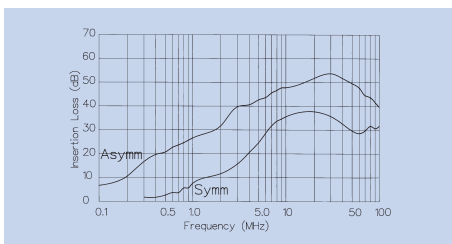
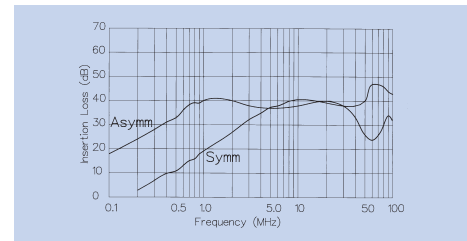
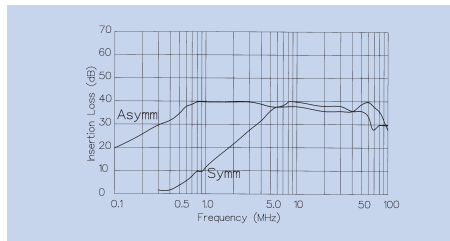
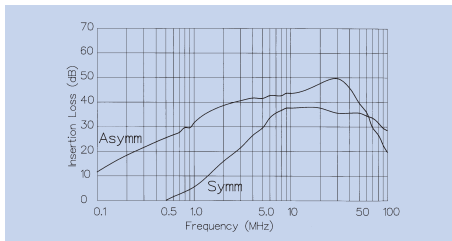
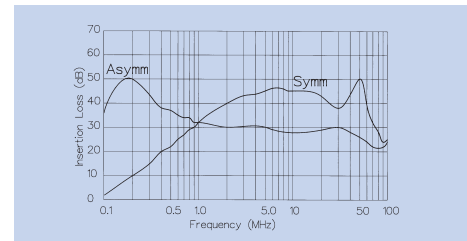
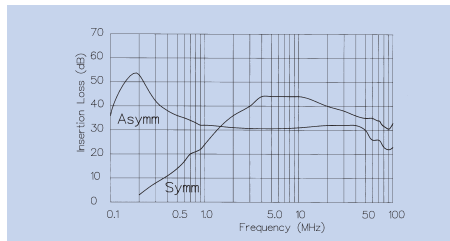
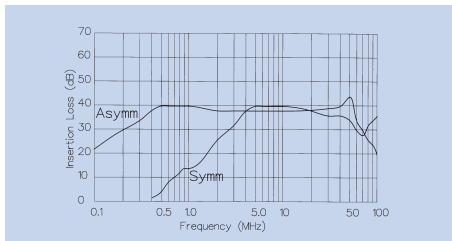
| Specification                    | PS02/Axxxx/xx   | PS03/Axxxx/xx   | Part No. Example  |
|----------------------------------|---|---|---|
| Max. Working Voltage:            | 250V a.c. 50-400Hz  | 250V a.c. 50-400Hz  | PS02/A0120/63   |
| Earth Leakage Current:           | <0.35mA (250V, 50Hz)  | <0.35mA (250V, 50Hz)  | PS02 series, standard base mounting filter, rated at 3 amperes. L/C circuit version 1, i.e. L1 = 2 x 0.75mH, Cx = 15nF, Cy = 2 x 2.2nF with 2.8mm tabs. |
| Temperature Range:               | -25°C to +85°C  | -25°C to +85°C  |   |
| Max. Ambient Temp: (@ Full Load) | 40°C (derate linearly to 0A @ 85°C)                                     | 40°C (derate linearly to 0A @ 85°C)                                     |   |
| Test Voltage:                    | 2700V d.c. 2 secs. Lines to Earth<br>1100V d.c. 2 secs. Live to Neutral | 2700V d.c. 2 secs. Lines to Earth<br>1100V d.c. 2 secs. Live to Neutral |   |
| Approvals:                       |   |   |   |
| <b>RoHS</b>                      | Compliant   | Compliant   |   |

| 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 |

### Version 1

### Version 2

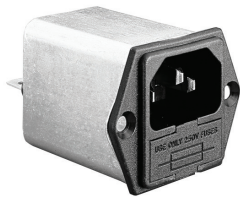
### Version 3



# Mains Filters IEC Power Inlets (Single Fused)

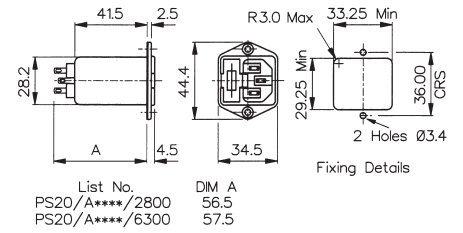


## Panel Mounting

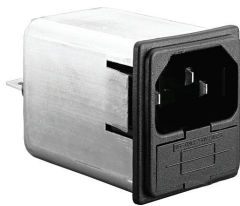


PS20/A

- 1, 3, or 6 Amp Current Rating
- Single Fused
- 2 Alternative Circuits
- 6.3mm tabs

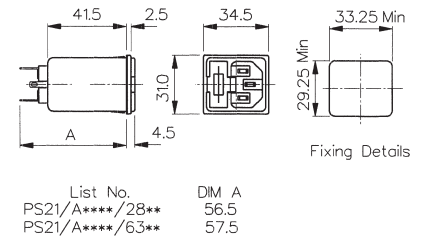


## Snap Fit



PS21/A

- 1, 3, or 6 Amp Current Rating
- Single Fused
- 2 Alternative Circuits
- 6.3mm tabs
- 1, 1.5, 2 or 3mm panels



## How to order -

|                        |               |                    |                              |   |                                   |   |                        |                              |
|------------------------|---------------|--------------------|------------------------------|---|-----------------------------------|---|------------------------|------------------------------|
| PS02/A<br>or<br>PS03/A | <b>XX</b>     | <b>X</b>           | <b>0</b>                     | / | <b>63</b>                         | / | <b>XX</b>              |                              |
| <b>Series</b>          | <b>Rating</b> | <b>L/C Circuit</b> | <b>Additional Components</b> |   | <b>Tag Type and Configuration</b> |   | <b>Panel Thickness</b> | <b>Circuit Board Diagram</b> |
| PS00/A                 | 01 = 1A       | 2 = Version 2      | 0 = None                     |   | 63 = 6.3mm tabs                   |   | 00 = Flange            |                              |
| PS01/A                 | 03 = 3A       | 3 = Version 3      |                              |   |                                   |   | 10 = 1.0mm             |                              |
|                        | 06 = 6A       |                    |                              |   |                                   |   | 15 = 1.5mm             |                              |
|                        |               |                    |                              |   |                                   |   | 20 = 2.0mm             |                              |
|                        |               |                    |                              |   |                                   |   | 30 = 3.0mm             |                              |

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

Mains Filters  
**PS20/Axxx0/xx00 & PS21/Axxx0/xxxx**

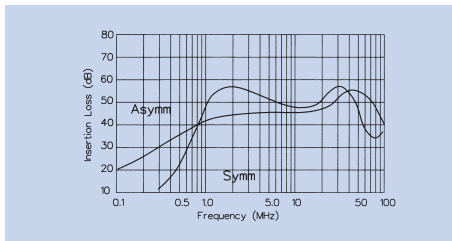
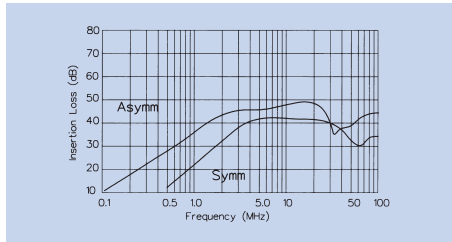
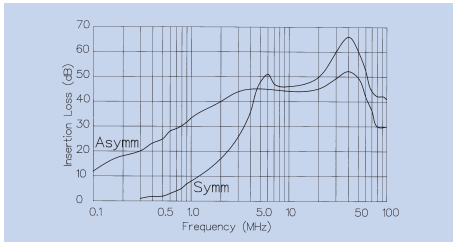
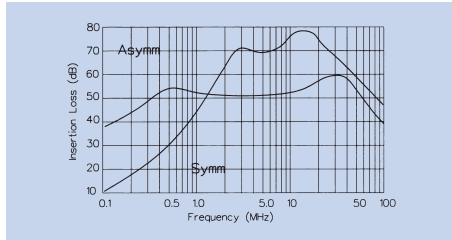
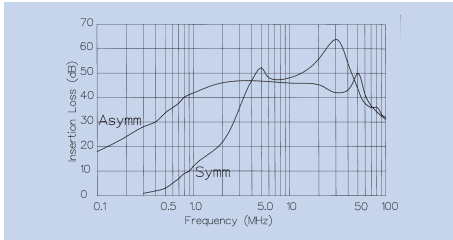
Rating & Version Table



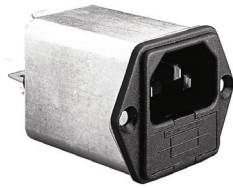
| Rating | Version | L1        | Cx       | Cy        |
|--------|---------|-----------|----------|-----------|
| 1 AMP  | 1       |           |          |           |
| "      | 2       |           |          |           |
| "      | 3       | 2 x 10mH  | 1 x 47nF | 2 x 2.2nF |
| 3 AMP  | 1       |           |          |           |
| "      | 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 |

**Version 2**

**Version 3**

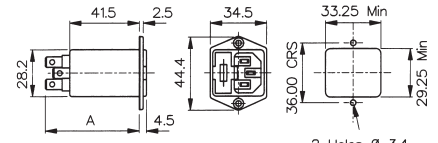


### Base Mounting



PS25/A

- 2 or 4 Amp Current Rating
- Twin Fused
- No additional components
- 6.3mm tabs



|                 |       |
|-----------------|-------|
| LIST No         | DIM A |
| PS25/*****/2800 | 56.5  |
| PS25/*****/6300 | 57.5  |

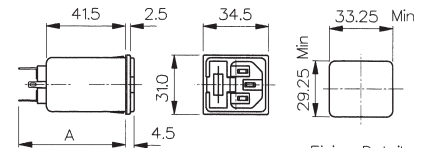
2 Holes Ø 3.4  
Fixing Details

### Snap Fit



PS26/A

- 2 or 4 Amp Current Rating
- Twin Fused
- No additional components
- 6.3mm tabs
- 1, 1.5, 2 or 3mm panels



|                 |       |
|-----------------|-------|
| List No         | DIM A |
| PS23/A****/28** | 56.5  |
| PS23/A****/63** | 57.5  |

Fixing Details

### How to order -

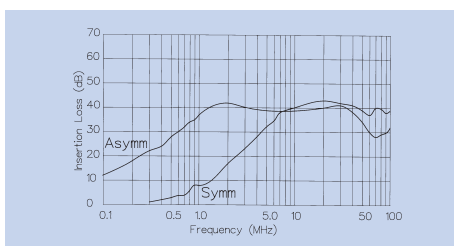
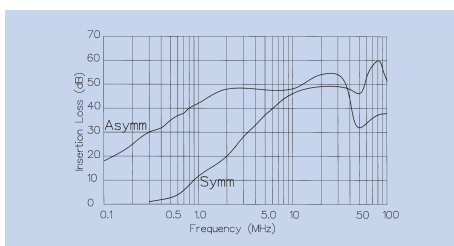
|                        |               |                    |                              |                                   |                        |                              |           |
|------------------------|---------------|--------------------|------------------------------|-----------------------------------|------------------------|------------------------------|-----------|
| PS25/A<br>or<br>PS26/A | <b>X</b>      | <b>2</b>           | <b>0</b>                     | <b>/</b>                          | <b>63</b>              | <b>/</b>                     | <b>XX</b> |
| <b>Series</b>          | <b>Rating</b> | <b>L/C Circuit</b> | <b>Additional Components</b> | <b>Tag Type and Configuration</b> | <b>Panel Thickness</b> | <b>Circuit Board Diagram</b> |           |
| PS25/A                 | 02 = 2A       | 2 = Version 2      | 0 = None                     | 63 = 6.3mm tabs                   | 00 = Flange            |                              |           |
| PS26/A                 | 04 = 4A       |                    |                              |                                   | 10 = 1.0mm             |                              |           |
|                        |               |                    |                              |                                   | 15 = 1.5mm             |                              |           |
|                        |               |                    |                              |                                   | 20 = 2.0mm             |                              |           |
|                        |               |                    |                              |                                   | 30 = 3.0mm             |                              |           |

| Specification                    | PS25/Axx2x/xx00   | PS26/Axx2x/xxxx   | Part No. Example  |
|----------------------------------|---|---|---|
| Max. Working Voltage:            | 250V a.c. 50-400Hz  | 250V a.c. 50-400Hz  | PS20/A0620/63   |
| Earth Leakage Current:           | 2.5W per fuse   | 2.5W per fuse   | 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 0.7mH, Cx = 1 x 15nF, Cy = 2 x 2.2nF. 6.3mm tabs. |
| Temperature Range:               | <0.35mA (250V, 50Hz)  | <0.35mA (250V, 50Hz)  |   |
| Max. Ambient Temp: (@ Full Load) | 40°C (derate linearly to 0A @ 85°C)                                     | 40°C (derate linearly to 0A @ 85°C)                                     |   |
| Test Voltage:                    | 2700V d.c. 2 secs. Lines to Earth<br>1100V d.c. 2 secs. Live to Neutral | 2700V d.c. 2 secs. Lines to Earth<br>1100V d.c. 2 secs. Live to Neutral |   |
| Approvals:                       |   |   |   |
| Mating Connectors                | PX0587, PX0587/SE, PX0588   | PX0587, PX0587/SE, PX0588   |   |
| Accessories                      | P.No. 14340 (see page 151)  | P.No. 14340 (see page 151)  |   |
| <b>RoHS</b>                      | Compliant   | Compliant   |   |



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

## Version 2





## Стандарт Электрон Связь

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

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