

# PBC BRAIDED POWER SHUNT



## CERTIFICATIONS



## FEATURES

- Ideal for transformer-busduct link
- Solid palms can be drilled to fit customer specific designs
- Extra flexible power connection and good resistance to vibration

## SPECIFICATIONS

- Wire Diameter:** 0.15 mm
- Material:** Copper
- Finish:** Tinned

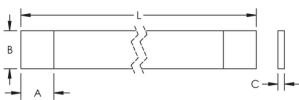
| Catalog Number | Item Name | Cross Section         | ΔT 30 K | ΔT 50 K | Length(L) | A      | B      | C       | 2 Bar Current Coefficient |
|----------------|-----------|-----------------------|---------|---------|-----------|--------|--------|---------|---------------------------|
| PBC1000X450    | 564900    | 1,000 mm <sup>2</sup> | 1,651 A | 2,188 A | 450 mm    | 105 mm | 100 mm | 16 mm   | 1.60                      |
| PBC100X250     | 564000    | 100 mm <sup>2</sup>   | 349 A   | 462 A   | 250 mm    | 35 mm  | 40 mm  | 7 mm    | 1.72                      |
| PBC100X500     | 564050    | 100 mm <sup>2</sup>   | 349 A   | 462 A   | 500 mm    | 35 mm  | 40 mm  | 7 mm    | 1.72                      |
| PBC1200X500    | 564030    | 1,200 mm <sup>2</sup> | 1,982 A | 2,626 A | 500 mm    | 125 mm | 120 mm | 17.5 mm | 1.60                      |

| Catalog Number | Item Name | Cross Section         | $\Delta T$ 30 K | $\Delta T$ 50 K | Length(L) | A      | B      | C       | 2 Bar Current Coefficient |
|----------------|-----------|-----------------------|-----------------|-----------------|-----------|--------|--------|---------|---------------------------|
| PBC120X250     | 564010    | 120 mm <sup>2</sup>   | 385 A           | 511 A           | 250 mm    | 35 mm  | 40 mm  | 7.5 mm  | 1.72                      |
| PBC1500X800    | 564910    | 1,500 mm <sup>2</sup> | 2,300 A         | 3,048 A         | 800 mm    | 125 mm | 150 mm | 17.5 mm | 1.32                      |
| PBC150X250     | 564100    | 150 mm <sup>2</sup>   | 440 A           | 583 A           | 250 mm    | 55 mm  | 50 mm  | 8 mm    | 1.72                      |
| PBC150X500     | 564150    | 150 mm <sup>2</sup>   | 440 A           | 583 A           | 500 mm    | 55 mm  | 50 mm  | 8 mm    | 1.72                      |
| PBC200X250     | 564200    | 200 mm <sup>2</sup>   | 550 A           | 729 A           | 250 mm    | 55 mm  | 50 mm  | 9 mm    | 1.72                      |
| PBC200X500     | 564250    | 200 mm <sup>2</sup>   | 550 A           | 729 A           | 500 mm    | 55 mm  | 50 mm  | 9 mm    | 1.72                      |
| PBC250X300     | 564300    | 250 mm <sup>2</sup>   | 651 A           | 863 A           | 300 mm    | 85 mm  | 50 mm  | 10.5 mm | 1.72                      |
| PBC300X400     | 564400    | 300 mm <sup>2</sup>   | 716 A           | 948 A           | 400 mm    | 85 mm  | 60 mm  | 11 mm   | 1.65                      |
| PBC400X400     | 564500    | 400 mm <sup>2</sup>   | 853 A           | 1,131 A         | 400 mm    | 85 mm  | 80 mm  | 11 mm   | 1.60                      |
| PBC500X400     | 564600    | 500 mm <sup>2</sup>   | 917 A           | 1,216 A         | 400 mm    | 105 mm | 100 mm | 11 mm   | 1.65                      |
| PBC600X450     | 564700    | 600 mm <sup>2</sup>   | 1,101 A         | 1,459 A         | 450 mm    | 105 mm | 100 mm | 13 mm   | 1.60                      |
| PBC800X450     | 564800    | 800 mm <sup>2</sup>   | 1,376 A         | 1,823 A         | 450 mm    | 105 mm | 100 mm | 14 mm   | 1.60                      |

## ADDITIONAL PRODUCT DETAILS

When used in parallel, the two shunts must be spaced with a minimum distance equal to the thickness of the shunt to allow air cooling.

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

**North America**

+1.800.753.9221

Option 1 – Customer Care

Option 2 – Technical Support

**Europe**

Netherlands:

+31 800-0200135

France:

+33 800 901 793

**Europe**

Germany:

800 1890272

Other Countries:

+31 13 5835404

**APAC**

Shanghai:

+ 86 21 2412 1618/19

Sydney:

+61 2 9751 8500



Our powerful portfolio of brands:  
**nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF**  
**TRACER**