

# 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:** 0.15mm

**Material:** Copper

**Finish:** Tinned

Table 1/2

| Catalog Number | Article Number | Cross Section       | $\Delta T$ 30 K | $\Delta T$ 50 K | Length (L) | A      |
|----------------|----------------|---------------------|-----------------|-----------------|------------|--------|
| PBC1000X450    | 564900         | 1000mm <sup>2</sup> | 1651A           | 2188A           | 450mm      | 105 mm |
| PBC100X250     | 564000         | 100mm <sup>2</sup>  | 349A            | 462A            | 250mm      | 35 mm  |

| CatalogNumber | Article Number | Cross Section       | ΔT 30 K | ΔT 50 K | Length (L) | A      |
|---------------|----------------|---------------------|---------|---------|------------|--------|
| PBC100X500    | 564050         | 100mm <sup>2</sup>  | 349A    | 462A    | 500mm      | 35 mm  |
| PBC1200X500   | 564030         | 1200mm <sup>2</sup> | 1982A   | 2626A   | 500mm      | 125 mm |
| PBC120X250    | 564010         | 120mm <sup>2</sup>  | 385A    | 511A    | 250mm      | 35 mm  |
| PBC1500X800   | 564910         | 1500mm <sup>2</sup> | 2300A   | 3048A   | 800mm      | 125 mm |
| PBC150X250    | 564100         | 150mm <sup>2</sup>  | 440A    | 583A    | 250mm      | 55 mm  |
| PBC150X500    | 564150         | 150mm <sup>2</sup>  | 440A    | 583A    | 500mm      | 55 mm  |
| PBC200X250    | 564200         | 200mm <sup>2</sup>  | 550A    | 729A    | 250mm      | 55 mm  |
| PBC200X500    | 564250         | 200mm <sup>2</sup>  | 550A    | 729A    | 500mm      | 55 mm  |
| PBC250X300    | 564300         | 250mm <sup>2</sup>  | 651A    | 863A    | 300mm      | 85 mm  |
| PBC300X400    | 564400         | 300mm <sup>2</sup>  | 716A    | 948A    | 400mm      | 85 mm  |
| PBC400X400    | 564500         | 400mm <sup>2</sup>  | 853A    | 1131A   | 400mm      | 85 mm  |
| PBC500X400    | 564600         | 500mm <sup>2</sup>  | 917A    | 1216A   | 400mm      | 105 mm |
| PBC600X450    | 564700         | 600mm <sup>2</sup>  | 1101A   | 1459A   | 450mm      | 105 mm |
| PBC800X450    | 564800         | 800mm <sup>2</sup>  | 1376A   | 1823A   | 450mm      | 105 mm |

Table 2/2

| Catalog Number | Article Number | B      | C     | 2 Bar Current Coefficient |
|----------------|----------------|--------|-------|---------------------------|
| PBC1000X450    | 564900         | 100 mm | 16 mm | 1.6                       |
| PBC100X250     | 564000         | 40 mm  | 7 mm  | 1.72                      |
| PBC100X500     | 564050         | 40 mm  | 7 mm  | 1.72                      |

| Catalog Number | Article Number | B      | C       | 2 Bar Current Coefficient |
|----------------|----------------|--------|---------|---------------------------|
| PBC1200X500    | 564030         | 120 mm | 17.5 mm | 1.6                       |
| PBC120X250     | 564010         | 40 mm  | 7.5 mm  | 1.72                      |
| PBC1500X800    | 564910         | 150 mm | 17.5 mm | 1.32                      |
| PBC150X250     | 564100         | 50 mm  | 8 mm    | 1.72                      |
| PBC150X500     | 564150         | 50 mm  | 8 mm    | 1.72                      |
| PBC200X250     | 564200         | 50 mm  | 9 mm    | 1.72                      |
| PBC200X500     | 564250         | 50 mm  | 9 mm    | 1.72                      |
| PBC250X300     | 564300         | 50 mm  | 10.5 mm | 1.72                      |
| PBC300X400     | 564400         | 60 mm  | 11 mm   | 1.65                      |
| PBC400X400     | 564500         | 80 mm  | 11 mm   | 1.6                       |
| PBC500X400     | 564600         | 100 mm | 11 mm   | 1.65                      |
| PBC600X450     | 564700         | 100 mm | 13 mm   | 1.6                       |
| PBC800X450     | 564800         | 100 mm | 14 mm   | 1.6                       |

## 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.

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