

# PBC Braided Power Shunt

## Data Solutions



### 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      | 105mm |

| CatalogNumber | Article Number | Cross Section       | ΔT 30 K | ΔT 50 K | Length (L) | A     |
|---------------|----------------|---------------------|---------|---------|------------|-------|
| PBC100X250    | 564000         | 100mm <sup>2</sup>  | 349A    | 462A    | 250mm      | 35mm  |
| PBC100X500    | 564050         | 100mm <sup>2</sup>  | 349A    | 462A    | 500mm      | 35mm  |
| PBC1200X500   | 564030         | 1200mm <sup>2</sup> | 1982A   | 2626A   | 500mm      | 125mm |
| PBC120X250    | 564010         | 120mm <sup>2</sup>  | 385A    | 511A    | 250mm      | 35mm  |
| PBC150X250    | 564100         | 150mm <sup>2</sup>  | 440A    | 583A    | 250mm      | 55mm  |
| PBC150X500    | 564150         | 150mm <sup>2</sup>  | 440A    | 583A    | 500mm      | 55mm  |
| PBC200X250    | 564200         | 200mm <sup>2</sup>  | 550A    | 729A    | 250mm      | 55mm  |
| PBC200X500    | 564250         | 200mm <sup>2</sup>  | 550A    | 729A    | 500mm      | 55mm  |
| PBC250X300    | 564300         | 250mm <sup>2</sup>  | 651A    | 863A    | 300mm      | 85mm  |
| PBC300X400    | 564400         | 300mm <sup>2</sup>  | 716A    | 948A    | 400mm      | 85mm  |
| PBC400X400    | 564500         | 400mm <sup>2</sup>  | 853A    | 1131A   | 400mm      | 85mm  |
| PBC500X400    | 564600         | 500mm <sup>2</sup>  | 917A    | 1216A   | 400mm      | 105mm |
| PBC600X450    | 564700         | 600mm <sup>2</sup>  | 1101A   | 1459A   | 450mm      | 105mm |
| PBC800X450    | 564800         | 800mm <sup>2</sup>  | 1376A   | 1823A   | 450mm      | 105mm |

Table 2/2

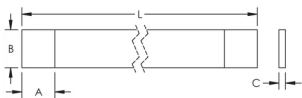
| Catalog Number | Article Number | B     | C    | 2 Bar Current Coefficient |
|----------------|----------------|-------|------|---------------------------|
| PBC1000X450    | 564900         | 100mm | 16mm | 1.6                       |
| PBC100X250     | 564000         | 40mm  | 7mm  | 1.72        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

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

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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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