

Busway Power Distribution

BD® Plug-In (225 — 1600 Ampere) Copper

Selection

| Ampere Rating | Plug In ^① 10'-0" Straight Length Catalog Number | Case Dimensions (inches) | Shipping Weight Lb./Ft. | 90° Elbow Prefix ^{④⑤} Catalog Number | Switch-Board Connection ^⑥ Prefix | Building Expansion Fitting Catalog Number | Cable Tap Box | | End Closure Catalog Number | Hangers ^⑦ Catalog Number |
|---------------|--|--------------------------|-------------------------|---|---|---|---------------------------------|------------------------------------|----------------------------|-------------------------------------|
| | | | | | | | End ^⑦ Catalog Number | Center ^⑧ Catalog Number | | |

3-Phase, 3-Wire

600V or Less

| | | | | | | | | | | |
|------|--------|--|--------------------------------|--------|--------|--------|--------|--------|-------|-------|
| 225 | BDP302 | 4 ¹ / ₁₆ x 8 ³ / ₈ | 9 | LDP302 | FEP302 | EJP302 | ETB302 | CTB302 | ECP6 | BDH10 |
| 400 | BDP304 | 4 ¹ / ₁₆ x 8 ³ / ₈ | 12 ¹ / ₂ | LDP304 | FEP304 | EJP304 | ETB304 | CTB304 | ECP6 | |
| 600 | BDP306 | 4 ¹ / ₁₆ x 8 ³ / ₈ | 13 ¹ / ₂ | LDP306 | FEP306 | EJP306 | ETB306 | CTB306 | ECP6 | |
| 800 | BDP308 | 6 ¹ / ₁₆ x 8 ³ / ₈ | 18 ¹ / ₂ | LDP308 | FEP308 | EJP308 | ETB308 | CTB308 | ECP10 | |
| 1000 | BDP310 | 6 ¹ / ₁₆ x 8 ³ / ₈ | 22 | LDP310 | FEP310 | EJP310 | ETB310 | CTB310 | ECP10 | BDH12 |
| 1350 | BDP313 | 12 ¹ / ₂ x 8 ³ / ₈ | 28 | LDP313 | FEP313 | EJP313 | ETB313 | CTB313 | ECA10 | |
| 1600 | BDP316 | 12 ¹ / ₂ x 8 ³ / ₈ | 29 | LDP316 | FEP316 | EJP316 | ETB316 | CTB316 | ECA10 | |

3-Phase, 4-Wire — Full Capacity Neutral

480V or Less

| | | | | | | | | | | |
|-------------------------------|---------|--|--------------------------------|---------|---------|---------|---------|---------|------|-------|
| 225 | BDP4024 | 4 ¹ / ₁₆ x 8 ³ / ₈ | 12 | LDP4024 | FEP4024 | EJP4024 | ETB4024 | CTB4024 | ECP6 | BDH10 |
| 400 | BDP4044 | 4 ¹ / ₁₆ x 8 ³ / ₈ | 14 ¹ / ₂ | LDP4044 | FEP4044 | EJP4044 | ETB4044 | CTB4044 | ECP6 | |
| 600 | BDP4064 | 4 ¹ / ₁₆ x 8 ³ / ₈ | 15 ¹ / ₂ | LDP4064 | FEP4064 | EJP4064 | ETB4064 | CTB4064 | ECP6 | |
| 800 | BDP4084 | 8 ³ / ₈ x 8 ³ / ₈ | 28 | LDP4084 | FEP4084 | EJP4084 | ETB4084 | CTB4084 | ECA8 | BDH12 |
| 1000 | BDP4104 | 8 ³ / ₈ x 8 ³ / ₈ | 32 | LDP4104 | FEP4104 | EJP4104 | ETB4101 | CTB4101 | ECA8 | |
| Rod-Hanger Adapter (optional) | | | UJ100 | | | | | | | |

Aluminum to Copper Cross Reference

| Ampere Rating | Plug In ^① 10'-0" Straight Length Catalog Number | Case Dimensions (inches) |
|---------------|--|--------------------------|
|---------------|--|--------------------------|

| Ampere Rating | Plug In ^① 10'-0" Straight Length Catalog Number | Case Dimensions (inches) |
|---------------|--|--------------------------|
|---------------|--|--------------------------|

Aluminum

3-Phase, 3-Wire

| | | |
|------|--------|--|
| 225 | ABD302 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 400 | ABD304 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 600 | ABD306 | 6 ¹ / ₁₆ x 8 ³ / ₈ |
| 800 | ABD308 | 6 ¹ / ₁₆ x 8 ³ / ₈ |
| 1000 | ABD310 | 12 ¹ / ₂ x 8 ³ / ₈ |
| 1200 | ABD312 | 12 ¹ / ₂ x 8 ³ / ₈ |

3-Phase, 4-Wire — Full Capacity Neutral

| | | |
|------|---------|--|
| 225 | ABD4024 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 400 | ABD4044 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 600 | ABD4064 | 6 ¹ / ₁₆ x 8 ³ / ₈ |
| 800 | ABD4084 | 8 ³ / ₈ x 8 ³ / ₈ |
| 1000 | ABD4104 | 12 ¹ / ₂ x 8 ³ / ₈ |
| 1200 | ABD4124 | 12 ¹ / ₂ x 8 ³ / ₈ |

Copper

3-Phase, 3-Wire

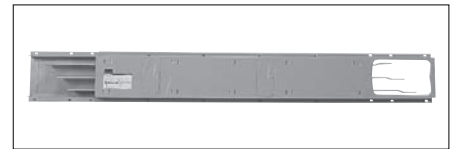
| | | |
|------|--------|--|
| 225 | BDP302 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 400 | BDP304 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 600 | BDP306 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 800 | BDP308 | 6 ¹ / ₁₆ x 8 ³ / ₈ |
| 1000 | BDP310 | 6 ¹ / ₁₆ x 8 ³ / ₈ |
| 1350 | BDP313 | 12 ¹ / ₂ x 8 ³ / ₈ |
| 1600 | BDP316 | 12 ¹ / ₂ x 8 ³ / ₈ |

3-Phase, 4-Wire — Full Capacity Neutral

| | | |
|------|---------|--|
| 225 | BDP4024 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 400 | BDP4044 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 600 | BDP4064 | 4 ¹ / ₁₆ x 8 ³ / ₈ |
| 800 | BDP4084 | 8 ³ / ₈ x 8 ³ / ₈ |
| 1000 | BDP4104 | 8 ³ / ₈ x 8 ³ / ₈ |

"M" Rating / Standard Rating Conversion Table

| 1000/A Square Inch "M" Rating | Standard 55°C Rating BDP |
|-------------------------------|--------------------------|
| 225 | — |
| 400 | 600 |
| 600 | 800 |
| 800 | 800 |
| 1000 | 1000 |
| 1200 | — |
| 1350 | 1350 |
| 1600 | 1600 |
| 2000 | — |
| 2500 | — |
| 3000 | — |
| 4000 | — |



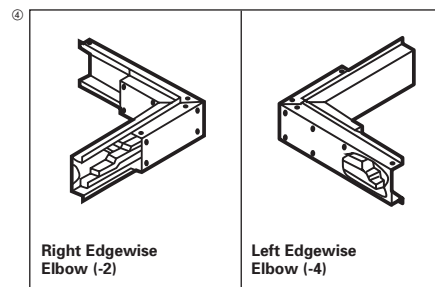
For inches / millimeters conversion, see Application Data Section.

① Consult local sales office for five foot length.

② For higher short circuit ratings add an "H" after the "D" or "P" (ABDH302 or BDPH302). Consult sales office for ratings.

③ "GK" suffix is an internal ground bus. For any other ground configuration, consult local sales office. Please use following footage for fittings:

- Elbow - 3'
- SWB - 1'
- End Cable Tap Box - 1'
- Center Cable Tap Box - 10'
- Building Expansion - 10'



| Suffix | Description | Appropriate suffix must be added to Elbow Catalog Number to order. |
|--------|----------------|--|
| -1 | Right Flatwise | |
| -2 | Right Edgewise | |
| -3 | Left Flatwise | |
| -4 | Left Edgewise | |

④ Switchboard stub includes flange to cover cutout in top of indoor switchboard and 6" of bus inside switchboard. Connecting hardware supplied by switchboard manufacturer.

⑤ Includes busway stub. Total length added to run is 2' for 225A and 400A aluminum or 225A-600A copper; 3' for all others. Box is designed to connect to offset bus-bar ends. When it is to be connected to straight bus-bar ends, adapter will be furnished upon request.

⑥ Must be factory-assembled to busway. Complete device includes 10' busway.

⑦ Two hangers included free of charge with each busway section, elbow, tee and cross.