

SIEMENS

Sentron Busway Quick Reference

Critical Dimensions:

Busway that passes through a wall, ceiling or floor:

- centerline of a joint to the wall, ceiling or floor = 7 in. min.
- centerline of a joint (*above a floor support*) to a floor = 16 in. min.
- joints cannot be positioned inside a wall, ceiling or floor (*joints must be accessible for maintenance*)

Feeder Busway clearances:

- from the top of the busway to a ceiling/floor/wall or other busway = 6 in. min.
- from the side of the busway to a ceiling/floor/wall or other busway = 4 in. min

Plug-in Busway clearances:

- plug-In busway clearances depend on the configuration of bus plugs (*see bus pug clearance charts in the Sentron Selection and Application Guide*)
- otherwise, clearances for feeder busway apply
- note orientation of the operating handle and provide clearance for access & operation

Feeder Busway length:

- minimum length = 14.38 in.
- maximum length = 10 ft.

Plug-In & Riser length:

- available only in 4, 6, 8 and 10 ft. lengths

Flat Elbow section:

- maximum leg length = 4 ft.
- minimum leg length: Varies according to amperage and bus bar material

Edge Elbow section:

- maximum length = 4 ft.
- minimum leg length = 10 in.

Combination and Offset Elbows:

- maximum leg lengths = 4 ft.
- minimum leg lengths: varies according to amperage and bus bar material (*See Sentron Selection and Application Guide*)

Elbow - Stub Combinations:

- maximum leg length = 4 ft.
- minimum leg length = 2.50 in. + (case size x .5)

Critical Details:

- busway DRAWINGS must include all relevant dimensions
- CENTERLINE dimensions are expected (*please note any dimensions that are not center line dimensions*)
- WALLS and FLOORS must be located (*wall & floor thickness must be included*)
- locate the FRONT of all switchboards and provide the phasing of any existing boards (*advise if any PADs are located under boards*)
- when using RISER plug-in busway please note the desired direction of the load side of bus plugs (*G,A,B,C,N from left to right will position the load side to the bottom and "UP is On" handle operation*)
- TRANSFORMER THROAT connections require complete details.
- Horizontal plug-in busway must be oriented with the A phase on top (*bolt head on top*).
- In-Line Disconnect CUBICLES are engineered to order. The FRONT of the cubicle must be specified.

Outdoor Busway:

- route busway to minimize outdoor busway run length
- call factory before quoting outdoor busway runs over 50 ft.
- avoid installing busway near exhaust pipes that may generate steam or caustic vapors