



Applications:

Aluminium bolted, welded or crimped connectors for aluminium conductors or tubes used in substation up to 500kV.

Description:

This range includes:

- Straight and tee connectors,
- Busbar support
- Straight terminal palm connectors for substation apparatus: CT, VT, CB, disconnectors...
- Expansion connectors with aluminium shunts.

These products can connect aluminium conductors or tube to copper stud without any additive part. A bimetallic sleeve or sheet is recommended for the connection on copper palm or silver plated stud.

Products are cast in first melting ingot of Aluminium alloy (heat treated) according to European standard.

Standard connectors are equipped with stainless steel bolts quality A2 (other grade or quality can be delivered on request).

For further details, please refer to our catalogue
“Connectors 400/500kV” PN: 296859, PCN F34492-000



Conductor fitment:

Complete and proven range to connect:

- Conductors AAC, AAAC, ACSR & ACAR from 200 to 2000 sqmm (400 to 4000 MCM)
- Aluminium tube 60 to 300 mm (metric system) or 1 to 6 IPS sizes schedule 40&80 (American IPS)
- Copper or Alu stud 30 to 80mm
- Copper or Alu palm 80x80, 100x100, 125x125, 200x100 or other dimensions on request
- Connectors for bundle conductors (2,3,4) with distance between conductors 50, 65, 75, 90mm (depending on the conductor diameter) and 200, 400 & 450mm.

Performances to meet:

- NEMA CC1 standard requirement for
 - RIV & CORONA 525kV phase to phase
 - Temperature rise
 - Mechanical tests
- IEC 694 standard requirement for short circuit.

Benefits:

- The expanded connectors with flexible (alu conductor) are able to absorb the vibration and tube expansion.

Energy Division

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. SIMEL is a trademark.

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