

RECTANGULAR TUBULAR CONDUCTIVE BUSBAR WITH SOLID CORE AND INTERNAL HEAT DISSIPATION

ABSTRACT

5 Presenting a rectangular tubular shape, applied in electrical cabinets for
low and high voltage power switchgears and prefabricated electrical lines,
in its main construction, comprises a rectangular tubular busbar (P), in a
substantially parallelepipedal shape. It has a body (1) delimited by external
walls, a solid core (2) formed by overlapping elements, this core being
10 triple in relation to the thickness of the walls forming the body (1), located
between the upper and lower walls of said body (1). The rectangular
tubular busbar (P) has two distinct regions, a hollow area (A1) and the
solid core (2), where the region of the hollow area (A1) is delimited
between the rear face of the rectangular tubular busbar (P) and the upper
15 and lower faces of said tubular busbar (P), and the solid core (2) is located
in the region delimited by the front face of the rectangular tubular busbar
(P) and the upper and lower walls of said rectangular tubular busbar (P),
as well as the hollow area (A1).

20 (Figure 1)