

Abstract

A power distribution apparatus allowing for step-by-step power drawing is provided. The power distribution apparatus is provided with a main case; a step-by-step power drawing mechanism and a control mechanism are disposed in the main case; a snap-fit mechanism is disposed on the outer side of the main case; the main case is clamped on a bus duct by means of the snap-fit mechanism; the step-by-step power drawing mechanism is connected to the bus duct to draw power and is electrically connected to an electrical device by means of a plurality of power sockets or industrial electrical connectors for power outputting; the control mechanism is electrically connected to the step-by-step power drawing mechanism, and performs safety control on the power drawing and outputting process. The apparatus of the present invention can be simply, conveniently and quickly clamped to the bus duct to achieve plug-in power drawing from the bus duct, and can also implement safety control on the power drawing and current outputting process, so that higher usage efficiency and safer usage are achieved.

(Fig. 1A)