Abstract

Connection method and bus access circuit for connecting an assembly of a programmable logic controller to a bus

In order, in the case of a programmable logic controller having a modular structure, to be able to insert and withdraw assemblies (2, 3) even in the course of operation, without disturbing the data traffic taking place via the bus (5) of the programmable logic controller, provision is made according to the invention for arranging an evaluation circuit (13) in a bus access circuit (5'). The evaluation circuit (13) controls a variable resistor (12), which is arranged in one of the supply lines (11', 11") for the assemble (2, 3), to have a low resistance if the assembly is connected to the bus (5) and to have a high resistance again if a potential present at a test input (14") of the evaluation circuit (13) lies outside a predetermined value range after a run-up time (T_3) has elapsed.

FIG. 2