Abstract

Bus segment 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 segment or a bus access circuit (20). The evaluation circuit (13) establishes whether an assembly (2, 3) is connected to the bus (5) and accordingly controls a variable resistor (12), which is arranged in one of the supply lines (11', 11'') for the assembly (2, 3), to have a high resistance or a low resistance.

FIG 2