

Abstract

Safety Circuit for an Elevator Installation

5 This safety circuit (1) consists of a series chain (2) of
contacts (3), at least one safety relay (4), an electric
power supply (5), and a monitoring device (6), the signal
from the safety relay (4) being transmitted to an elevator
control (7). The voltage across the safety relay (4) which
10 is to be regulated is tapped at point (P1) and transmitted
to a network (14) which is connected to the voltage
converter (10). If all the contacts (3) of the series chain
(2) are closed, the voltage across the safety relay (4) is
held constant. Regulation of the voltage across the safety
15 relay (4) makes the safety circuit (1), with respect to
voltage drop, independent of the length of the cabling
connecting the contacts (3).