Abstract

SAFETY DEVICE FOR A MOVING SYSTEM

A safety device for a moving system with a drive in which a pneumatically operated piston, by linear movement in a cylinder, moves a transported object past a stationary part in at least one direction has the aim of generating a switching signal at every point of a through-opening when an obstacle is located between the moving object and the edge of the through-opening, regardless of the movement direction of the object and the geometrical construction of the through-opening.

The cylinder has, at its ends, devices for measuring the pressure of the air flowing out of the cylinder in the movement direction of the piston, wherein a drop in the otherwise substantially constant pressure below a threshold value serves as a switching signal at least for switching off the system.

The device is useful for safety purposes during the transport of objects, particularly when the objects form shearing edges with neighboring objects.

Fig. 3

This Sheet Has Been Replaced

