Use:
Conveyor belt swing switches are deployed at belt conveyors to minimize the danger of damage or destruction of the belt when it swings aside from its trajectory.

Description:
The LHPE-10/2-L50V switches are intended for being deployed along a conveyor belt. They are distributed in pairs on the right and left side. In the event of the belt swinging from its presumed trajectory, the belt edge affects a belt cylindrical lever of the sensor and pushes against the self-aligning force of an inside spring.

Swing switches marked “V” have two types of contacts A and B which switch on under two swing angles. At the angle of swing above 15° contacts B switch over. At the angle of swing above 25° contacts A switch over. The maximum swing of the cylindrical lever id 75°. As soon as the swing drops under the above-mentioned angles, respective contacts switch back. For this model of the switch a blocking device for locking the swing switch position is not used.

This type of a switch is not used for emergency stop circuits. This type of connection is common in the control system circuits which records partial swinging of the belt from its trajectory (15° angle of switching) but does not switch off the conveyor. If the following contact (25° angle of switching) is switched over, the conveyor is immediately switched off. Movements of the first switch serve for warning the operator and subsequent correction in the quantity of transported material on the conveyor. According to the frequency of switching on the first contact it can be evaluated when an intervention of the machine maintenance is necessary to adjust the conveyor.

The contacts of A and B switches are only manufactured in this series in the economy version (with “E” economy in the name). A synchronizing module has no meaning in this model.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user’s guide for this product and any engineering consultation about possible uses.

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