8 Safety notes

These installation and operating instructions are intended for maintenance and technicians as well as design engineers requiring the element for an application. Please read all installation and operation instructions carefully before startup and pay Special attention to the following hazard warnings and notes.

- Avoid any contact with the guide rail and contact surface.
- The guide rail and contact surface must be cleaned before mounting, operation and maintenance.
- Make sure the connection structure is sufficiently strong.
- The element must be mounted at least with 4 screws.
- The element is only permitted to be used with linear rail carriages.
- The element must be always used in conjunction with linear rail carriages.
- The spring accumulator closes the element without pressure, which makes high holding forces possible. Any damage to the contact surface of the linear guide rail is prevented by the pairing of rail and contact profile materials as well as by the contact profile geometry. The elements are configured to the respective factory default rail measurement.

The element is maintenance-free up to the number of cycles listed in table “Technical data” under the following conditions:
- The air filter must be cleaned and changed, if necessary. The element must not be operated without the filter.
- Even though the element is, as mentioned, maintenance-free, perform a regular visual inspection for possible corrosion, damage and contamination on the element. A readjustment is not required after proper installation due to the fact that the contact surface is made of corrosion resistant material.
- Clean the element as needed using a commercially available machine cleaning agent and then apply an anti-corrosion agent to the housing.

9 Technical Data

8.2 Checking operational readiness

After the element has been properly installed, check that it is ready to be operated according to the following characteristics:
- The pneumatic connections are checked for leaks by looking/listening.
- The pressured element are checked for leaks by looking/listening.
- The ability to move on the linear guide rail when the element is opened is checked.
- The clamping process is checked by manually moving the connection structure.

9.4 Connections

Only one standard A connection has to be occupied for the LBPS element to function safely.

The element of the LBPS series features two air connections facing one another. The air connection and air filter B ensure that the element can be operated on the opposite side surface.

Transport lock

The transport lock can be removed once the air connection A was pressurised with a minimum air pressure of 5.5 bar. The element may only be depressedurized if the guide rail or the transport lock is between the contact surfaces!

The LBPS element is shipped with a transport lock between the contact surfaces.

Authorized representative for compiling the relevant documents:

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