

DFM-...-B-...-EX3-...
Guided drive

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Operating conditions | EX

8099854
2018-11a
[8099856]
CE



Translation of the original instructions

1 Identification EX

Table with 2 columns: Identification, II 2G, Ex h IIC T4 Gb, -20°C ≤ T_a ≤ +70°C

Tab. 1

2 Applicable documents

NOTICE!
Technical data for the product can have different values in other documents. For operation in an explosive atmosphere, the technical data in this document always have priority.

All available documents for the product -> www.festo.com/pk.

3 Certified products

Table with 2 columns: Type, DFM-12-...-B, DFM-16-...-B, DFM-20-...-B, DFM-25-...-B, DFM-32-...-B, DFM-40-...-B, DFM-50-...-B, DFM-63-...-B

Tab. 2

4 Function

Pressurising the cylinder chambers causes the yoke to move back and forth. The force is transmitted by the movement of the yoke plate.

5 Safety

5.1 Safety instructions

- The device can be used under the stated operating conditions in zones 1 and 2 of explosive gas atmospheres.
- All work must be carried out outside of potentially explosive areas.
- Only operate the device with a suitable operating medium -> Technical data
- The device is not intended for use with other fluids.

5.2 Intended use

The device is designed for the transportation of loads and the transmission of forces.

6 Assembly

WARNING!
High temperatures can occur on the plain bearings if installation is not free of deformation. Hot surfaces can ignite a potentially explosive atmosphere.

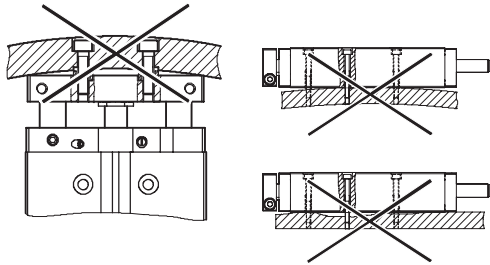


Fig. 1

7 Commissioning

WARNING!
The discharge of electrostatically charged parts can lead to ignitable sparks.

NOTICE!
Draw in compressed air outside of the explosive atmosphere.

NOTICE!
Particulate matter in the compressed air can cause electrostatic charges.

NOTICE!
Related type of ignition protection: c (constructional safety)

8 Maintenance and care
Check the operational reliability of the device regularly. Interval: 2 million movement cycles or after 6 months at the latest.

9 Fault clearance

Table with 2 columns: Malfunction, Remedy. Rows include: External damage after visual inspection, Audible leakage, The mounting is not secure, The yoke strikes the end position harshly, Dry lubricant residue stuck firmly to the piston rod, Non-uniform running behaviour, Longitudinal ridges on the piston rod, Deterioration in guide quality caused by increase bearing play on the yoke, Increased noise generation.

Tab. 3
The replacement of wearing and spare parts is possible in individual cases. Repairs of this type must only be carried out by trained and authorised specialists.

10 Technical data

Table with 2 columns: Operating conditions, Values. Rows include: Ambient temperature, Temperature of medium, Operating pressure, Operating medium, Mounting position, Max. speed, Max. moment load, Max. permissible impact energy at the end positions, Max. payload.

Tab. 4