

Level measurement

Guided wave radar

MOLOS
wave

1

Yo-Yo sensing systems

MOLOS
bob

2

Visualization

MOLOS
visu

3

Rotation

MOLOS
roto

4

Membrane

MOLOS
membran

5

Level indicator

Vibration

MOLOS
vibro

6

Microwave barrier

MOLOS
barrier

7

Pendulum

MOLOS
pendu

8

Coding

MOLOS
code

9

Hose couplings

Limit switch

MOLOS
switch

10

Swivelling lever

MOLOS
swing

11

Lockable couplings

MOLOS
lock

12

Overload protection

MOLOS
safe

13

Silo filling device

MOLOS
safe

14

Bulk solids handling

Pressure device

MOLOS
pressdec

15

Microwave flow sensor

MOLOS
flow

16

Pinch valves

MOLOS
valve

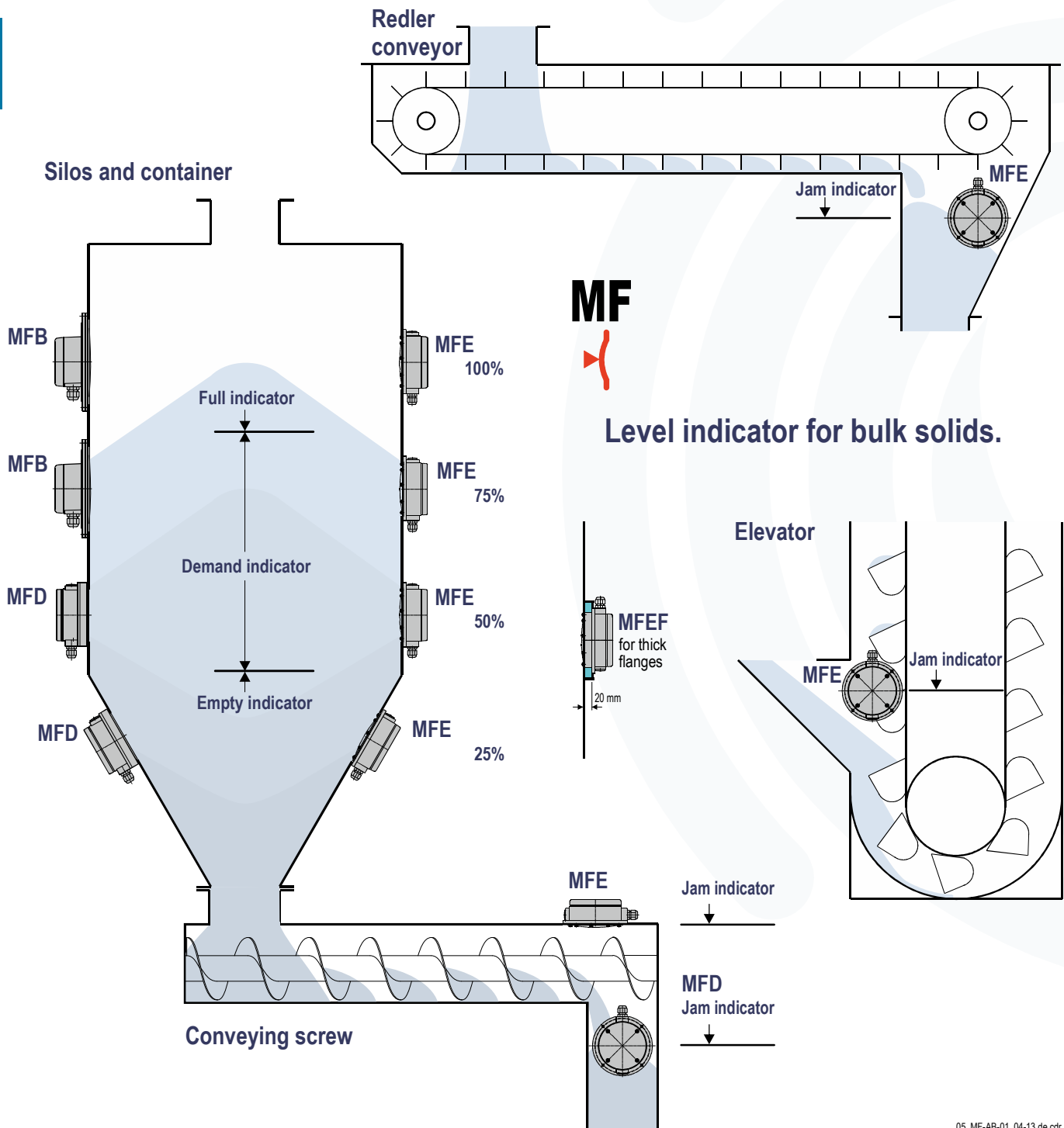
17



Advantages of membrane level indicators:

- reliable level indication for many different bulk solids
- flush with inside wall of the silo or container
- no energy required for sensor operating
- no cabling for power supply
- easy installation and commissioning

5



MF



Level indicator for bulk solids.

Selection list

MFA

Plastic housing

Basic device

MFA - N ← Order code

MFB

Aluminium housing

Basic device

Choice of options

Membrane

- N NBR
- V VITON
- E Stainless steel 1.4301 / 304

Mounting ring

- A Aluminium
- E Stainless steel 1.4301 / 304

Certifications, approvals

Standard = CE conform IP65

B0 ATEX Ⓢ II 3D EX tc IIIC T80°C

>>> B0 with stainless steel membrane only

ATEX option

B0 **Dust**  II 3D Ex tc IIIC T80 °C

MFB - - - - ← Order code

MFD

Plastic housing

Basic device

Choice of options

Membrane

- N NBR
- V VITON

Mounting ring

- N Steel, galvanized
- E Stainless steel 1.4301 / 304

Bescheinigungen, Zulassungen

Standard = CE conform IP65

B0 ATEX Ⓢ II 3D EX tc IIIC T80°C

ATEX option

B0 **Dust**  II 3D Ex tc IIIC T80 °C

MFD - - - - ← Order code

Selection list

5 MFE MFEF

Plastic housing

Basic device

Choice of options

Membrane


- N NBR
- V VITON
- E Stainless steel 1.4301 / 304

Mounting ring

- N Steel, galvanized
- E Stainless steel 1.4301 / 304


Certifications, approvals

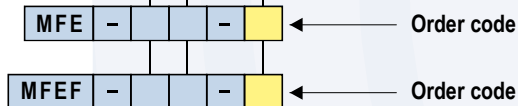
Standard = CE conform IP65

B3 ATEX  II 1/3D Ex ta/tc IIC T63°C

>>> B3 B0 with stainless steel membrane only

ATEX option

B3 **Dust**  II 1/3D Ex ta/tc IIC T63 °C



Selection list

MFE-A MFEF-A

Aluminium
housing

ATEX option

B1 **Dust**  II 1/2D Ex ta/tb IIIC T83 °C

ATEX option **Gas+**  II 1/2D Ex ta/tb IIIC T83 °C
B5 **Dust** and II 2G Ex ib IIC T6

hybride mixtures

Basic device

Choice of options

Membrane


E Stainless steel 1.4301 / 304



Mounting ring

E Stainless steel 1.4301 / 304

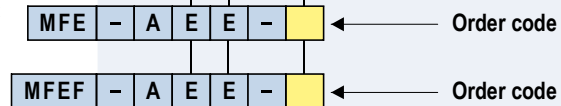
Certifications, approvals

Standard = CE conform and IP66

B1 ATEX  II 1/2D Ex ta/tb IIIC T83°C

B5 ATEX  II 1/2D Ex ta/tb IIIC T83°C
and  II 2G Ex ib IIC T6

>>> B1 and B5 with stainless steel membrane only



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