

Level measurement

Guided wave radar	MOLOS wave	1
Yo-Yo sensing	MOLOS bob	2
Visualization	MOLOS visu	3

Level indicator

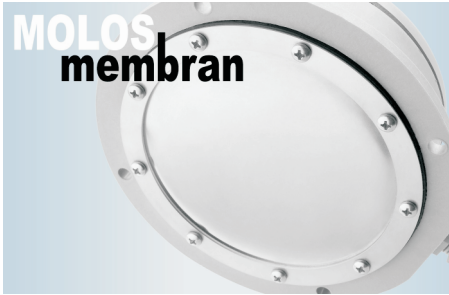
Rotation	MOLOS roto	4
Membrane	MOLOS membran	5
Vibration	MOLOS vibro	6
Pendulum	MOLOS pendu	7

Intelligent hose couplings

Coding	MOLOS code	8
Limit switch	MOLOS switch	9
Swivelling lever	MOLOS swing	10
Lockable couplings	MOLOS lock	11

Silo protection

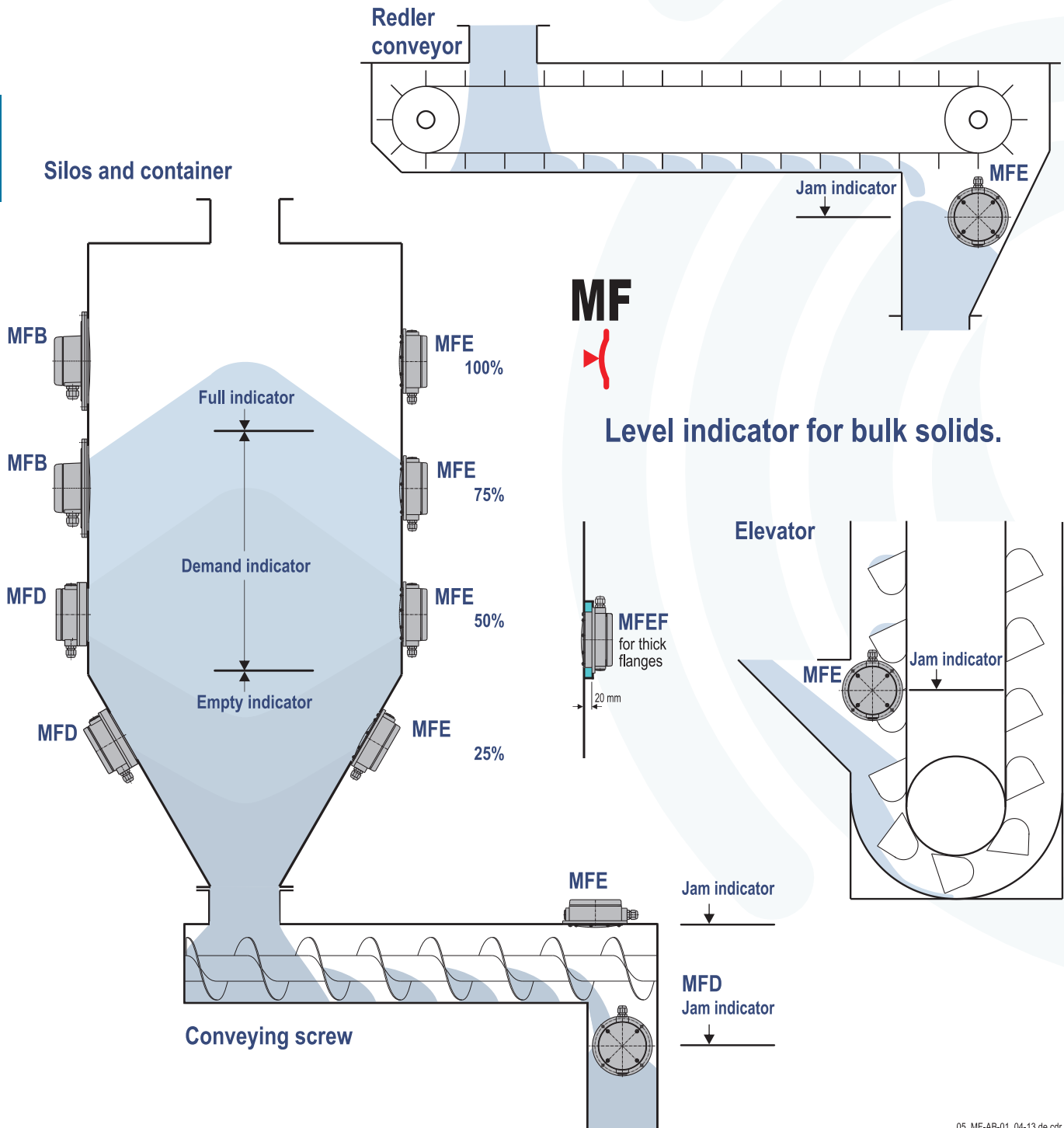
Overload protection	MOLOS safe	12
Pressure switch	MOLOS pressdec	13
Pinch valves	MOLOS valve	14



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.

05_MF-AB-01_04-13 de.cdr

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

MFB - - - - ← Order code

ATEX option

B0 **Dust**  II 3D Ex tc IIIC T80 °C

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

MFD - - - - ← Order code

ATEX option

B0 **Dust**  II 3D Ex tc IIIC T80 °C

Selection list

MFE MFEF

5

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

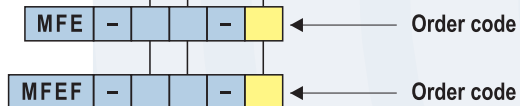
Standard = CE conform IP65

B3 ATEX  II 1/3D Ex ta/tc IIIC T63°C

>>> B3 B0 with stainless steel membrane only

ATEX option

B3 **Dust**  II 1/3D Ex ta/tc IIIC 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

