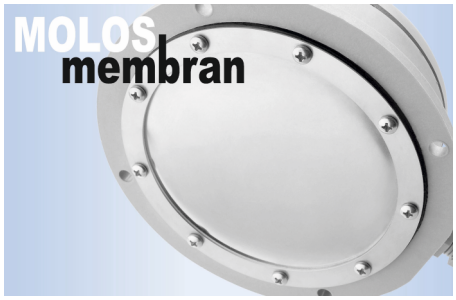
Level measurement	Guided wave radar	MOLOS wave	1
	Yo-Yo sensing systems	MOLOS bob	2
	Visualization	MOLOS visu	3
level indicator	Rotation	MOLOS roto	4
	Membrane	MOLOS membran	5
	Vibration	MOLOS vibro	6
	Microwave barrier	MOLOS barrier	7
	Pendulum	MOLOS pendu	8
Hose couplings	Coding	MOLOS code	9
	Limit switch	MOLOS switch	10
	Swivelling lever	MOLOS swing	11
	Lockable couplings	MOLOS lock	12
Bulk solids handling	Overfill protection	MOLOS safe	13
	Silo filling device	MOLOS safe	14
	Pressure gauge	MOLOS pressdec	15
	Microwave flow sensor	MOLOS flow	16
	Pinch valves	MOLOS valve	17



Product features

- simple working principle
- reliable traffic jam indicator
- applicable in potentially explosive atmospheres

5

Modular system

Trough chain conveyor

Jam indicator

MFE

Silos and container

MF

Membrane level indicator for bulk solids

MFB

Ø 187 mm

MFE 100%

Full indicator

MFB

Ø 187 mm

MFE 75%

Demand indicator

MFD

Ø 128 mm

MFE 50%

Empty indicator

MFD

Ø 128 mm

MFE 25%

MFEF
for thick flanges

20 mm

Elevator

MFE

Jam indicator

MFE

Jam indicator

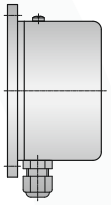
MFD
Jam indicator

Conveying screw

Offer information 2024-2025

MFA

Level limit switch
Plastic housing



Basic device

Housing made of plastic **RAL7001** CE conform and **IP44**

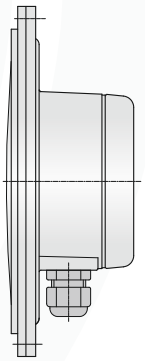
Membrane Ø80 mm **(product touching) made of**

N	NBR black, ambient temperature -10 °C ... +60 °C

MFA	–	N	← Order code

MFB

Level limit switch
Aluminium housing



ATEX option

B1 Dust Ex II 1/2D IIIC

ATEX option B5 Gas+ Dust Ex II 1/2D IIIC and II 2G IIC

Basic device

Housing made of aluminium coated **RAL7001,**
for ambient temperature and type of protection see appliance information

Options

Membrane Ø175 mm **(product touching) made of**

N	NBR, black
V	Viton® (FKM), black
E	Stainless steel **1.4310 / 302**

Mounting ring (product touching) made of

A	Aluminium
E	Stainless steel **1.4301 / 304**

Certifications, approvals

Standard CE conform

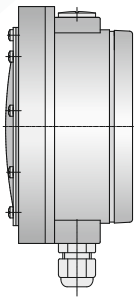
B1	ATEX Ex II 1/2D IIIC Dust
B5	ATEX Ex II 1/2D IIIC Dust and Ex II 2G IIC Gas

>>> **B1** only with membrane made of stainless steel
>>> **B5** only with membrane and mounting ring made of stainless steel

MFB	–			–		← Order code

MFD

Level limit switch
Double membrane
Plastic housing



Basic device

Housing made of plastic **RAL7001** CE conform and **IP65**

Options

Membrane Ø108 mm **(product touching) made of**

N	NBR, black
V	Viton® (FKM), black

Mounting ring (product touching) made of

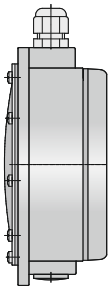
N	Steel, galvanized
E	Stainless steel **1.4301 / 304**

Ambient temperature -20 °C ... +70 °C

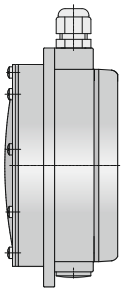
MFD	–			← Order code

Offer information 2024-2025

MFE
Level limit switch
Plastic housing



MFEF
Level limit switch
Plastic housing



Basic device

Housing made of plastic **RAL7001,** ambient temperature -20 °C ... +60 °C, for type of protection see appliance information

Options

Membrane Ø108 mm **(product touching) made of**

N	NBR black
V	Viton® (FKM) black
E	Stainless steel **1.4310 / 302**

Mounting ring (product touching) made of

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

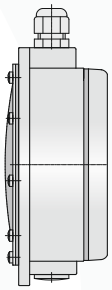
MFE – ☐☐ ← Order code

MFEF – ☐☐ ← Order code

MFE-A

Level limit switch

Aluminium housing



Basic device

Housing made of aluminium coated **RAL7001,** ambient temperature -25 °C ... +70 °C, for type of protection see appliance information

Options

Membrane Ø108 mm **(product touching) made of**

- **N** NBR black
- **V** Viton® (FKM) black
- **E** Stainless steel **1.4310 / 302**

Mounting ring (product touching) made of

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

Certifications, approvals

Standard CE conform

- **B1** ATEX Ex II 1/2D IIIC Dust
- **B5** ATEX Ex II 1/2D IIIC Dust and Ex II 2G IIC Gas

>>> **B1 and B5** only with membrane and mounting ring made of stainless steel

MFE	–	A			–	

← **Order code**

ATEX option

B1 Dust Ex II 1/2D IIIC

ATEX option Gas+ Dust **B5** Ex II 1/2D IIIC and II 2G IIC

hybride mixtures

Delivery from stock

ordered until 12°° - dispatched at 16°°

Quantity discounts

5	- 9	3 %
10	- 24	5 %
25	- 50	10 %

CE

Offer information

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