

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
Hose couplings	Pendulum	MOLOS pendu	8
	Coding	MOLOS code	9
	Limit switch	MOLOS switch	10
	Swivelling lever	MOLOS swing	11
	Lockable couplings	MOLOS lock	12
	Overload protection	MOLOS safe	13
Bulk solids handling	Silo filling device	MOLOS safe	14
	Pressure device	MOLOS pressdec	15
	Microwave flow sensor	MOLOS flow	16
	Pinch valves	MOLOS valve	17

MOLOS
barrier



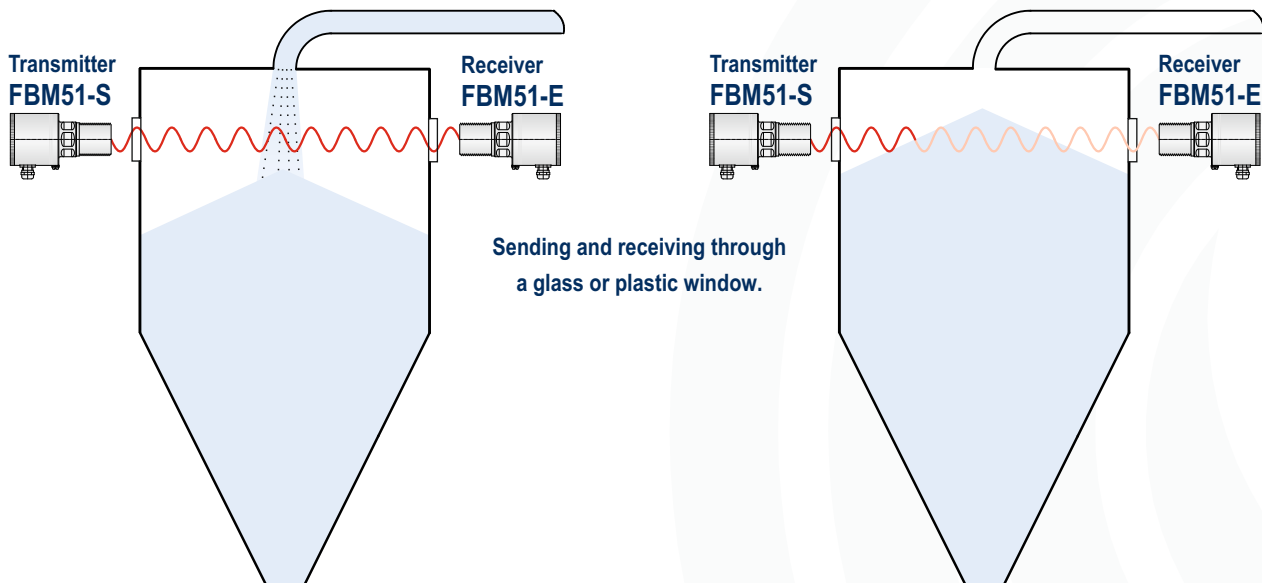
Advantages of the microwave barrier:

- Full, empty or demand indicator for dangerous bulk solids too
- Reliable level indication for many applications
- Microwave measuring system with variable transmission frequency
- Easy installation and commissioning
- Transmitter and receiver with active self-monitoring

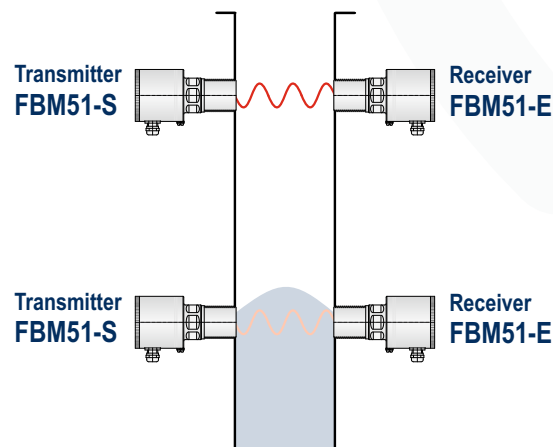
Contactless limit level switch for bulk solids.

Silos and bins

7



Jam or level indication in outlet tubes.



Selection list

FBM51

Microwave barrier

Limit switch
for bulk solids

ATEX option B9

Dust  II 3D IIIC

Basic devices


Choice of options

Microwave transmitter FBM51-S and receiver FBM51-E

A1 2 housings stainless steel 1.4301 / 304

Certifications, certificates, approvals

B0 **Standard** = CE conform and IP65

B9 **ATEX**  II 3D IIIC **Dust** on request

Further approvals on request

Supply voltage

C5 18 V DC ... 30 V DC

Process temperature / $T_{(Process)}$

E0 -20°C ... +90°C

Container pressure / $p_{(Process)}$

P0 **Standard** = 0 bar ... 2 bar

P2 0 bar ... 25 bar (only with ceramic sensor surface) on request

Additional equipment

S0 **Standard** = PTFE sensor surface

S1 Ceramic sensor surface on request

Process connection

G3 G1½ DIN/ISO 228, stainless steel 1.4301 / 304

FBM51 A1 C5 E0 G3 ← Order code

FBM51

Accessories

Choice of accessories

MK3ST Welding socket short, steel

MK3V4 Welding socket short, stainless steel 1.4571 / 316 Ti

ML3ST Welding socket long, steel

ML3V4 Welding socket long, stainless steel 1.4571 / 316 Ti

K-SZIG2 DRG-PT DRG thread flat seal ring, PTFE (white)

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