

Level measurement

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Level indicator

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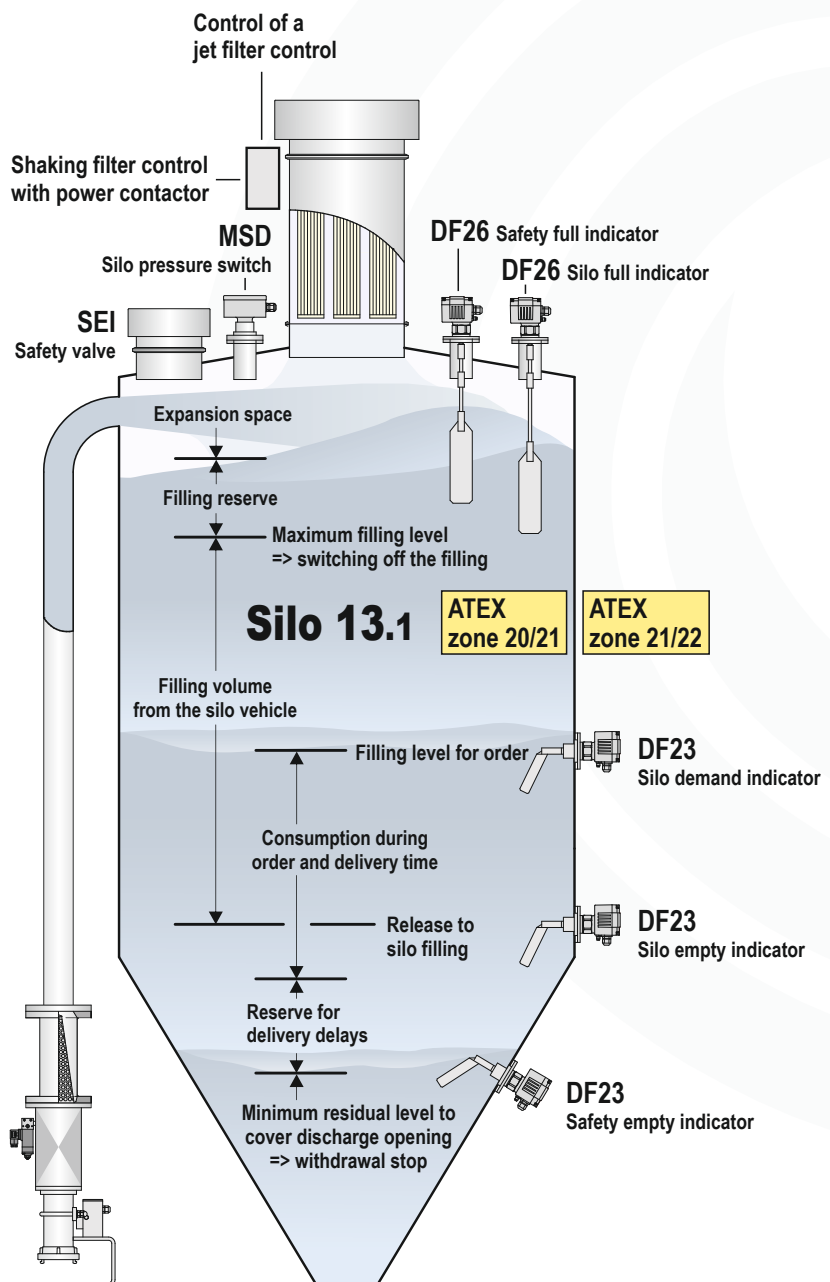
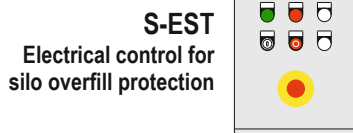
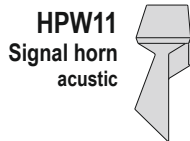
Product features

- reliably protects silos against overfilling and overpressure
- prevents damage to the silo and filter
- no pollution of the silo system and the environment

Autonomous silo overfill protection

ATEX Ex

Silo devices for combustible bulk materials in separate Offer lists



There must be an independent and automatic silo overfill, overpressure protection and filter cleaning.

Offer information 2024-2025

Basic modules

SFA ... Q

Locking valve

for attachment to the filling tube, designed with sine pinch valve made of aluminum, closing hose made of NR abrasion-resistant, protection tube made of galvanized steel, Storz connection coupling, swivelling lever limit switch SES and 3/2-way solenoid valve, fully assembled

for use in **ATEX** and other versions please refer to Silo filling device MOLOSsafe 14

Silo filling device

Options

Nominal size

080 DN 80
100 DN 100

Supply voltage

1 230 V AC 50..60 Hz
2 24 V DC

SFA - Q - BS - ← Order code

DF26

Rotary blade level indicator

for vertical installation in the silo roof, housing and flange F1 made of aluminium, measuring vane and extension 900 mm made of stainless steel

for use in **ATEX** and other versions please refer to Level indicator Rotation MOLOSroto 4

Silo full indicator

Options

Supply voltage

C1 230 V AC 50..60 Hz
C5 24 VDC

DF26 A1 F1A TO LW0630 ← Order code

MSD

End surge and pressure monitoring

for vertical installation in the silo roof, plastic housing, aluminum flange

for use in **ATEX** and other versions please refer to Pressure gauge MOLOSpressdec 15

Silo pressure switch

MSD - 070 ← Order code

HPW11

Acoustic alarm

sounds when there is a full or overpressure message, housing made of plastic, volume approx. 110 dB(A), 1m

Signal horn

Options

Supply voltage

07 230 V AC 50..60 Hz
13 24 V DC

HPW11 - ← Order code

Offer information 2024-2025 Expansion modules

SFA ... K

Locking valve

for attachment to the filling tube, designed with ball valve, housing made of aluminum, ball made of stainless steel, protection tube made of galvanized steel, Storz connection coupling, swivelling lever limit switch SES and 3/2-way solenoid valve, fully assembled

Silo filling device

Options

Nominal size

080 DN 80
100 DN 100

Supply voltage

1 230 V AC 50...60 Hz
2 24 V DC

SFA - K - BS - ← Order code

for use in **ATEX** and other versions please refer to Silo filling device MOLOSsafe 14

Q-DS

Pinch valve position indicator

attached to the silo filling device
plastic housing, brass connection thread

Compressed air switch

Q - DS901 - 3.A ← Order code

for use in **ATEX** and other versions please refer to Pinch valves MOLOSvalve 17

DF23

Rotary blade level indicator

lateral installation in the silo wall as a silo demand indicator, silo empty indicator and safety empty indicator, housing and flange F1 made of aluminium, measuring blade made of stainless steel

Silo empty indicator

Options

Supply voltage

C1 230 V AC 50...60 Hz
C5 24 V DC

DF23 A1 F1A S2V ← Order code

for use in **ATEX** and other versions please refer to Level indicator Rotation MOLOSroto 4

Offer information 2024-2025 Expansion modules

DF26

Rotary blade level indicator

for vertical installation in the silo roof as a safety full indicator, housing and flange F1 made of aluminium, measuring vane and extension 800 mm made of stainless steel

Safety full indicator

Options

Supply voltage

C1 230 V AC 50...60 Hz

C5 24 V DC

DF26 A1 F1A TO LW0530 ← Order code

for use in **ATEX** and other versions please refer to Level indicator Rotation MOLOSroto 4

SEI

Over-pressure and vacuum valve

for installation in the silo roof, protects silo and filter against too high positive or negative pressure, housing and hood made of stainless steel 1.4571 / 316Ti

Safety valve

SEI - 250 ← Order code

for use in **ATEX** and other versions please refer to Overfill protection SEI MOLOSsafe 13

070-150

Welded socket

Options

Flange Ø110 made of

STR Steel, unpainted

STL Steel RAL7001coated

070 - 150 - EST - ← Order code

Offer information

This offer information is valid from 01.01.2024.
The previous offer lists are hereby invalid. No liability can be accepted for printing errors.

We only deliver according to our "General Terms and Conditions", which you can view and download at www.mollet-level.com.

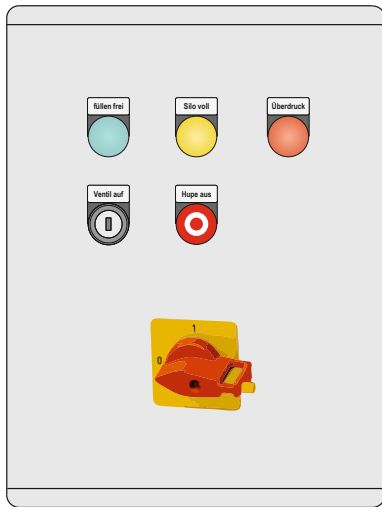
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Offer information 2024-2025

S-EST

Electrical control for silo overfill protection

Basic control



Basic configuration for 1 silo

Electrical control for autonomous silo overfill protection

- the following are controlled:
- Limit switch at hose connection
 - Silo filling device designed with pinch valve SFA...Q
 - Silo full indicator (e.g. DF26 or others)
 - Silo pressure switch MSD-070
 - Jet filter (follow-up time adjustable)
 - Horn HPW

Electrical control designed with Siemens-LOGO

for filling with one silo vehicle for

L1GB1	1 silo	.....
L2GB1	2 silos	.....
L3GB1	3 silos	.....
L4GB1	4 silos	.....

for simultaneous filling with two silo vehicles for

L2GB2	2 silos	.....
L3GB2	3 silos	.....
L4GB2	4 silos	.....

Electrical control designed with contactors and relays

for filling with one silo vehicle for

R1GB1	1 silo	.....	on request
R2GB1	2 silos	.....	on request
R3GB1	3 silos	.....	on request
R4GB1	4 silos	.....	on request

for simultaneous filling with two silo vehicles for

R2GB2	2 Silos	.....	on request
R3GB2	3 Silos	.....	on request
R4GB2	4 Silos	.....	on request

Supply voltage

BC1	230 V AC	.....
BC7	400 V DC	only together with vibration filter control

Control voltage

SC1	230 V AC	supply voltage of the field devices 230 V AC	.....
SC5	24 V DC	supply voltage of the field devices 24 V DC	.....

further controls

Silo filling devices

	Standard	silo filling device designed with pinch valve	.....
E12	Silo filling devices	..... designed with ball valve	.....

Position indication

without position indication

of pinch valve indicator light „Valve closed“ for

E91	1 pinch valve	with one compressed air switch	.....
E92	2 pinch valves	with one compressed air switch	.....
E93	3 pinch valves	with one compressed air switch	.....
E94	4 pinch valves	with one compressed air switch	.....

of ball valve indicator light „Valve closed“ and „Valve open“ for

E912	1 ball valve	with two position switches	.....
E922	2 ball valves	each with two position switches	.....
E932	3 ball valves	each with two position switches	.....
E942	4 ball valves	each with two position switches	.....

S-EST-



Order code ...

There must be a control for independent and automatic silo overfill, overpressure protection and filter cleaning.

further controls

Filter control with power contactor¹⁾ (vibration time adjustable) each 2 indicator lights *filter and disturbance filter* for
without vibration filter control

E51	1 vibration filter	.....
E52	2 vibration filter	.....
E53	3 vibration filter	.....
E54	4 vibration filter	.....

Selection switch for silo release

without selection switch

E61	1 silo selection switch for filling release for 1 silo vehicle	.....
E62	2 silo selection switches for filling release for 2 silo vehicles	.....

Silo demand indicator each 1 indicator light *Silo demand* for

without silo demand indicator

EB1	1 silo	.....
EB2	2 silos	.....
EB3	3 silos	.....
EB4	4 silos	.....

Silo empty indicator each 1 indicator light *Silo empty* for

without silo empty indicator

EL1	1 silo	.....
EL2	2 silos	.....
EL3	3 silos	.....
EL4	4 silos	.....

Safety full indicator for

without safety full indicator

E21	1 silo	.....
E22	2 silos	.....
E23	3 silos	.....
E24	4 silos	.....

Control for ATEX zone 22

Certifications, certificates, approvals

Standard

B9 Use in ATEX © II 3D IIIB **Dust** on request

Control cabinet design

Steel case (size as required)

Protection type IP66

Color RAL 7035

Indicator lights of the basic electrical control

green	fill released
yellow	silo full
red	overpressure

Operating elements of the basic electrical control

Main switch with	emergency stop - function
Button	Horn off
Key switch	valve open for refill

More indicator lights depending on the equipment

white	silo demand
yellow	silo empty
white	filter
red	disturbance filter
white	valve open
white	valve closed

More operating elements depending on the equipment

Selection switch	for silo release
	0 - 1 - 2 - 3 - 4

Ordercode

¹⁾ only with supply voltage 400 V AC

