

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

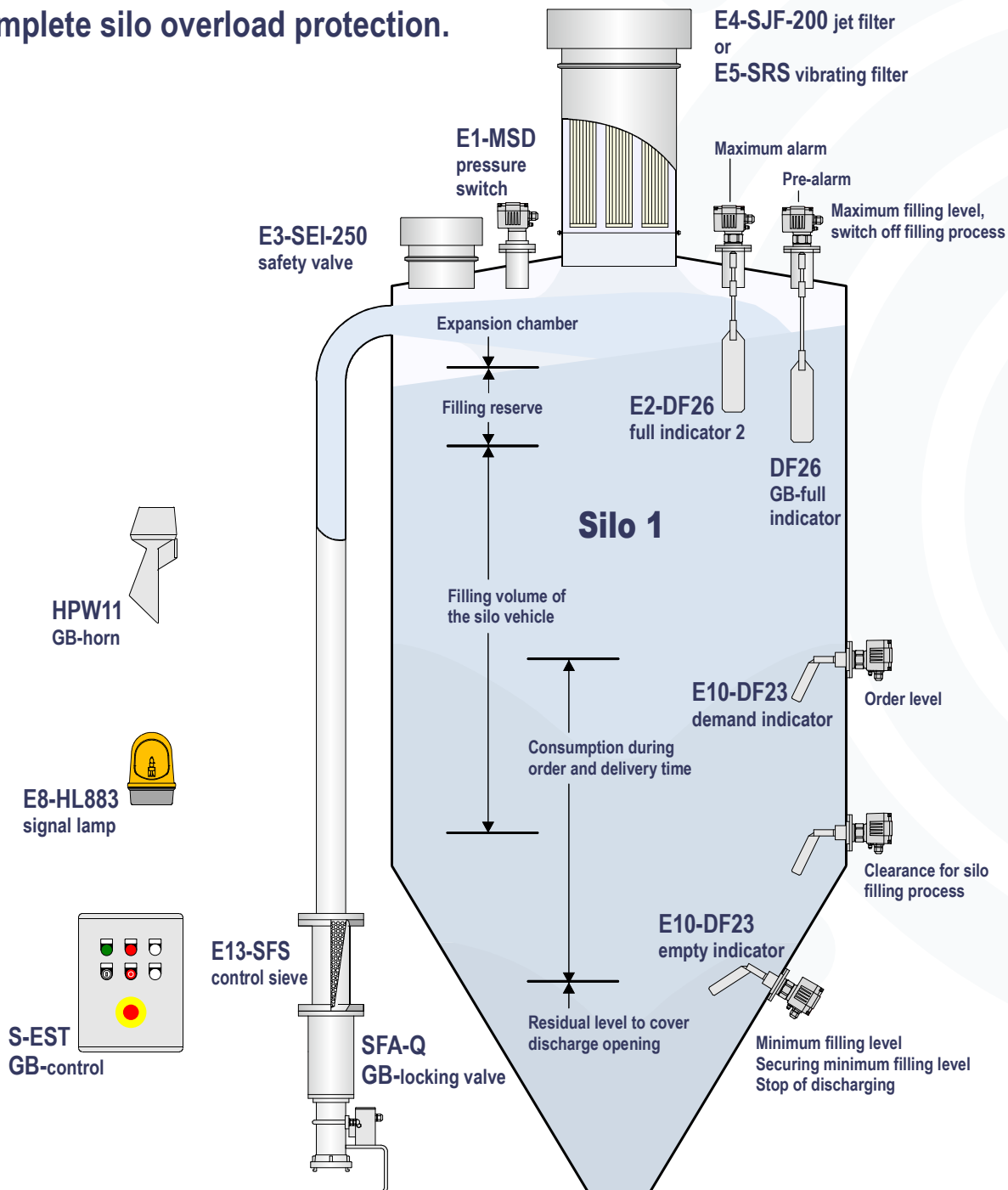
17



Advantages of overload protection:

- reliable protection against overfilling of silos
- no damaging of filter systems due to high or low pressure
- value preservation of the facility
- no contamination of the facility due to overfilling

Complete silo overload protection.



001 12 Silo de.CDR

13

Selection list

GB Basic module

designed for 1 ... 6 silos or chambers
1 ... 6 filling pipes
1 ... 6 jet filter
filling with one silo vehicle

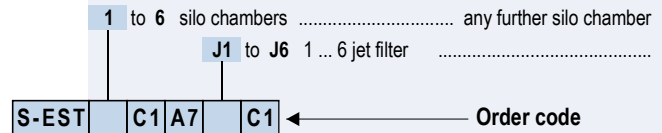
S-EST

Silo filling control in a cabinet

with all functions for protection against overfilling and for connection of full indicator, blocking valve and signal-horn

Supply voltage 230 V AC
Control voltage 230 V AC

GB-control



further designs on request

DF26

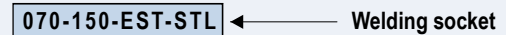
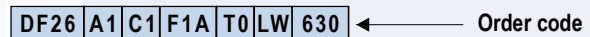
Rotary blade level indicator - full detection

Housing and flange F1 made of aluminium,
measuring blade and jib 900 mm made of stainless steel

Supply voltage 230 V AC

for any silo chamber 1x required

GB-full indicator



further designs on request

SFA-Q

Silo filling device as locking valve

designed with pinch valve made of aluminium, solenoid valve,
Storz coupling, swivelling lever with limit switch SES and double
nipple, completely assembled

Supply voltage 230 V AC

for any filling pipe 1x required

GB-locking valve

Choice of options with surcharges

Size

080 Housing aluminium, elastic hose NBR
100 Housing aluminium, elastic hose NBR



further designs on request

HPW11

Horn for acoustic signals

Housing made of plastics

Supply voltage 230 V AC

Loudness approx. 110 dB(A), 1m

GB-horn



further designs on request

Selection list

Supplementary modules

E1 - MSD

Silo pressure switch for pressure monitoring and limitation of the last surge

with warning lamp *over pressure* and the electronic part integrated in the silo filling control

for any silo chamber 1x required

E1 pressure switch

Basic price for one silo chamber

any further silo chamber

E1-MSD - 070

Order code

070-150-EST-STL

Welding socket

further designs on request

E2 - DF26

Rotary blade level indicator - safety full detection

Housing and flange F1 made of aluminium, measuring blade and jib 700 mm made of stainless steel, with the electronic part integrated in the silo filling control
Supply voltage 230 V AC

for any silo chamber 1x required

E2 full indicator 2

E2-DF26 A1 C1 F1A T0 LW 430

Order code

070-150-EST-STL

Welding socket

further designs on request

E3 - SEI-250

Silo-Ex-Implo-Valve for pressure release

with flared nozzle for welding and weather protection hood

Material stainless steel

for any silo chamber 1x required

E3 safety valve

E3-SEI - 250

Order code

further designs on request

Selection list

Supplementary modules

E4 - SJF-200

Silo jet filter with pneumatic purification

20 m² filter surface with flared nozzle for welding, weather protection hood and time period control

Supply voltage 230 V AC

for any silo chamber 1x required

E4 jet filter

designs on request

E5 - SRS

Control for vibrating filter

Basic version Time based contactor control for vibrating motor, over current protection relay, main switch and one lamp per function *filter* and *filter error*

integrated in silo filling control
Supply voltage 400 V AC

E5 vibrating filter

Basic price for one vibrating filter

1 to 6 vibrating filter any further vibrating filter

E5. - SRS - 400 ← Order code

further designs on request

E6 - SFG

Selection switch for silo filling

with position „0“ for filling blocked
integrated in silo filling control

E6 silo unblocking

Basic price for one silo chamber

1 to 6 silo chambers any further silo chamber

E6. - SFG ← Order code

further designs on request

E7 - SVB

On site operating

Housing made of plastics

Basic version one lamp *filling o.k.*
one press button *horn off*
one key switch *open valve*

Supply voltage 230 V AC

E7 operator panel

Choice of options with surcharges

- 3 **Basic version** 1 lamp, 1 press button and 1 key switch
- 4 1 additional lamp *silo full*
- 5 2 additional lamps *silo full, over pressure*
- 6 3 additional lamps *silo full, over pressure, no compressed air* ...
- 7 4 additional lamps *silo full, over pressure, filter, filter error*

E7. - SVB ← Order code

further designs on request

Selection list

Supplementary modules

E8 - HL883

Rotating mirror beacon as signal lamp

with electronic part integrated in the silo filling control

Supply voltage 230 V AC

Colour yellow

E8 signal lamp

E8-HL883 - 68 ← Order code

further designs on request

E9 - QDS

Pinch valve monitoring

Pressure switch mounted on the pinch valve housing
with electronic part integrated in the silo filling control

Supply voltage 230 V AC

E9 QV-monitoring

Choice of options with surcharges

- 0 yellow lamp *valve damaged*
- 1 white lamp *valve open*
- 2 2 white lamps *valve closed* and *valve open*

E9. - QDS ← Order code

further designs on request

E10 - DF23

Rotary blade level indicator - demand or empty detection

Housing and flange F1 made of aluminium, measuring blade made of stainless steel

Warning lamps with electronic part integrated in the silo filling control

Supply voltage 230 V AC

E10 empty indicator

Choice of options with surcharges

- 1 white lamp *silo empty*
- 2 white flashing lamp *silo empty*
- 3 white lamp *silo demand*

E10. - DF23 A1 C1 F1A S2V ← Order code

further designs on request

E11 - EST-EW

Extension of silo filling control

On request further facility components like rotary vane feeder, screw conveyors, scales, etc. can be controlled with the silo filling control as well.

E11 Extensions

designs on request

Selection list

Supplementary modules

E12 - SFA-K

Silo filling device as locking valve

designed with ball valve made of aluminium, solenoid valve, Storz coupling, swivelling lever with limit switch SES and double nipple, completely assembled
Supply voltage 230 V AC

for any filling pipe 1x required

E12 ball valve

Choice of options with surcharges

Nominal size

080 housing aluminium, ball stainless steel
100 housing aluminium, ball stainless steel

E12-SFA | K-BS1 ← Order code

further designs on request

E13 - SFS

Silo control sieve

Housing and sieve made of steel galvanised, hole size 10 mm, corresponds to a mesh size of approx. 6 mm for mounting in a filling pipe with DN80

for any filling pipe 1x required

E13 control sieve

E13-SFS | 080 - 10-STV ← Order code

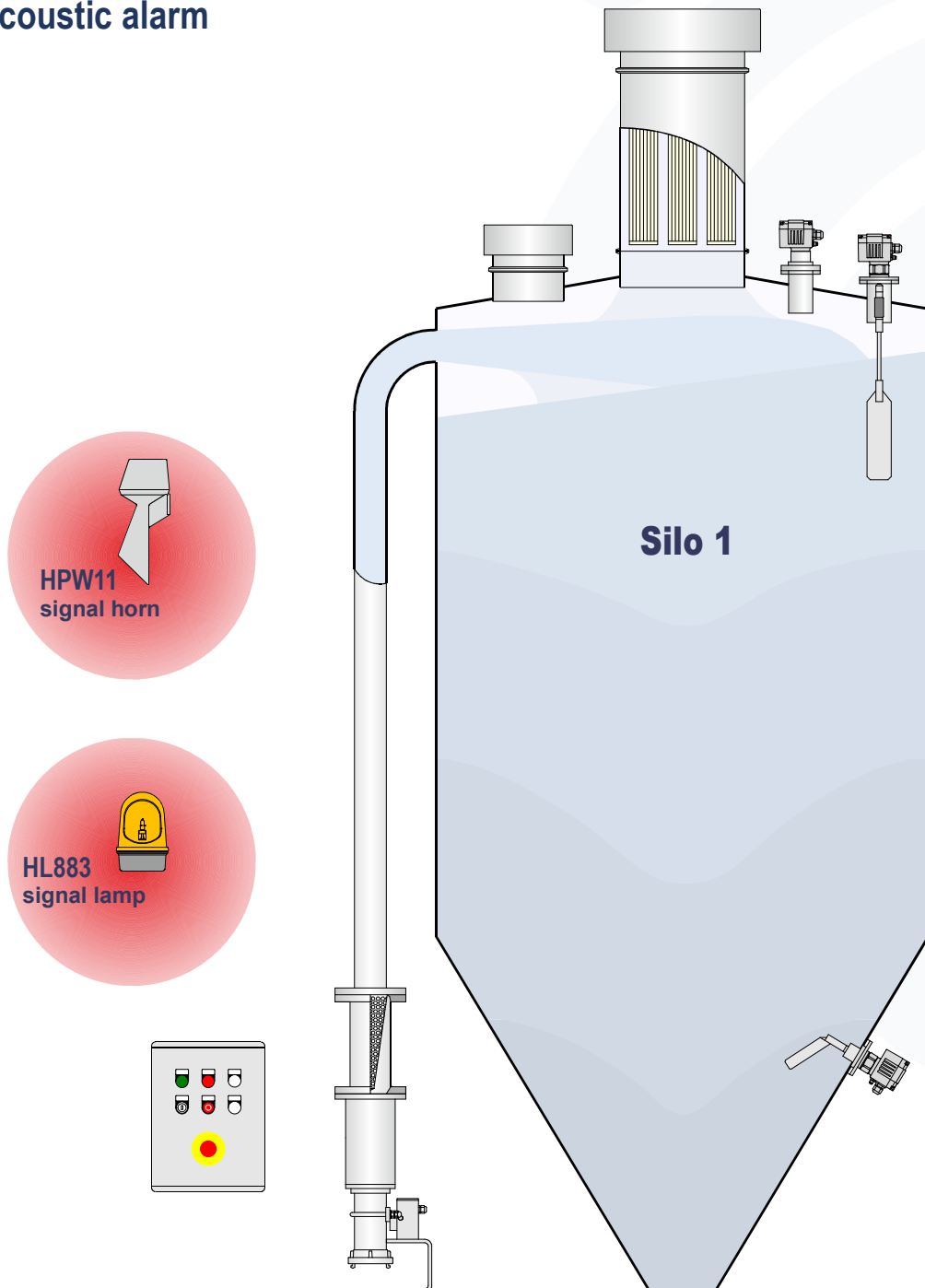
further designs on request



Advantages of signal transmitter:

- Reliable alarm signals
- Use in dry and moist rooms
- Installation outdoors possible
- Easiest installation

Visual and acoustic alarm



Selection list

HL Signal lamp
visual alarm

Basic device

Choice of options

Collar colour

- 1 red
- 2 green
- 3 yellow

Supply voltage

- 75 24 V = (DC) ~ (AC)
- 68 220 ... 240 V ~ (AC 50...60Hz)

HL883 - ← Order code

HP Signal horn
acoustic alarm

Basic device

Choice of options

Supply voltage

- 06 110 V ~ (AC 50...60Hz)
- 07 230 V ~ (AC 50...60Hz)
- 13 24 V = (DC)

HPW11 - ← Order code

€ Prices on request

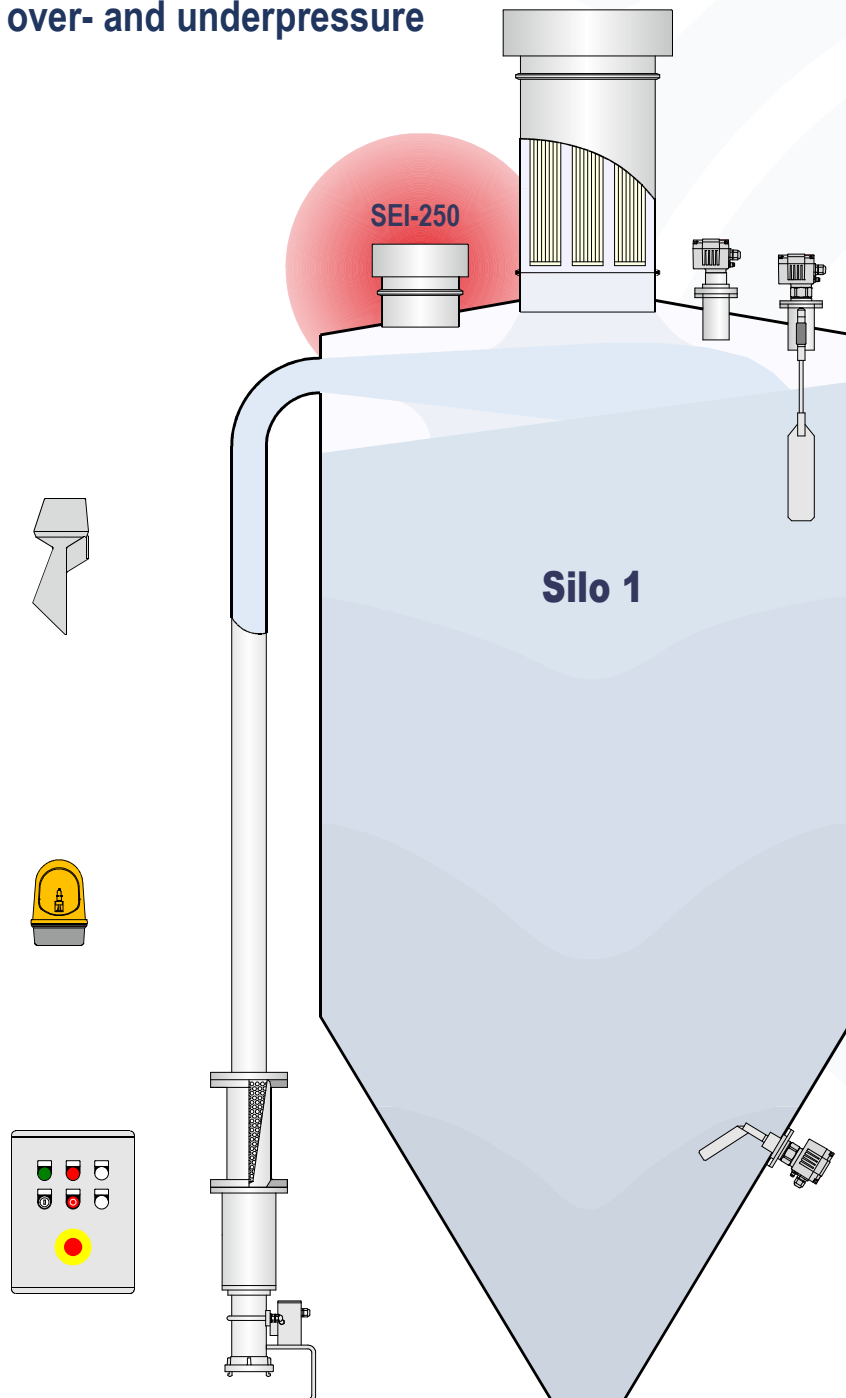




Advantages of safety valve:

- Reliable protection against over- and underpressure in the silo
- Use in potentially dust and gas explosive atmospheres possible
- Easy installation on top of the silo
- No operating energy necessary

Safety valve for over- and underpressure



Selection list

SEI

ATEX option

B4 **Dust**  II 2D III B

ATEX option


B6 **Gas+**
Dust  II 2G IIB
and II 2D III B

Basic device


Choice of options


Certifications, certificates, approvals

Standard

B4 ATEX  II 2D III B **Dust**

B6 ATEX  II 2G IIB **Gas**

and  II 2D III B **Dust**

SEI-250 - 

← Order code

€ Prices
on
request



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