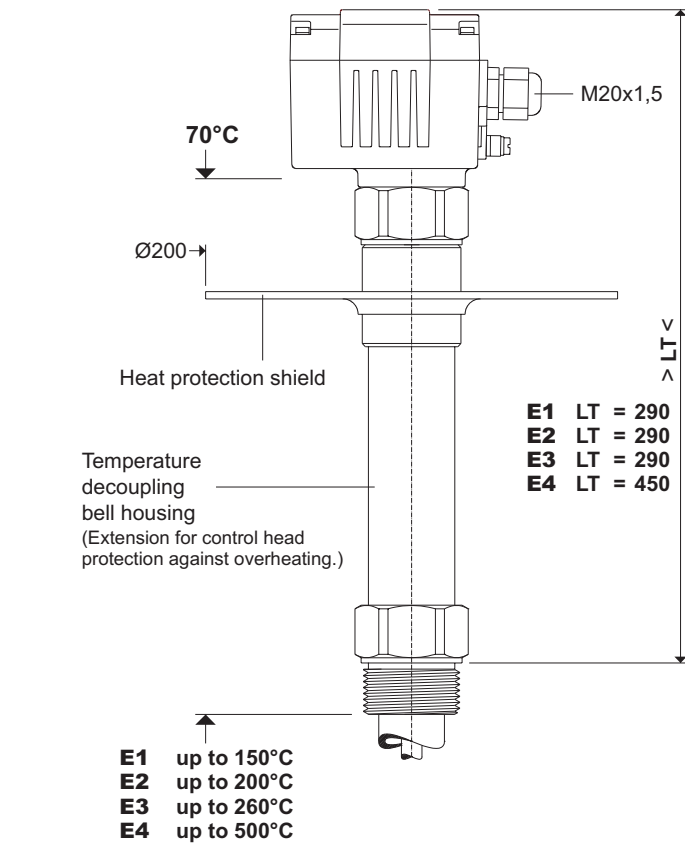
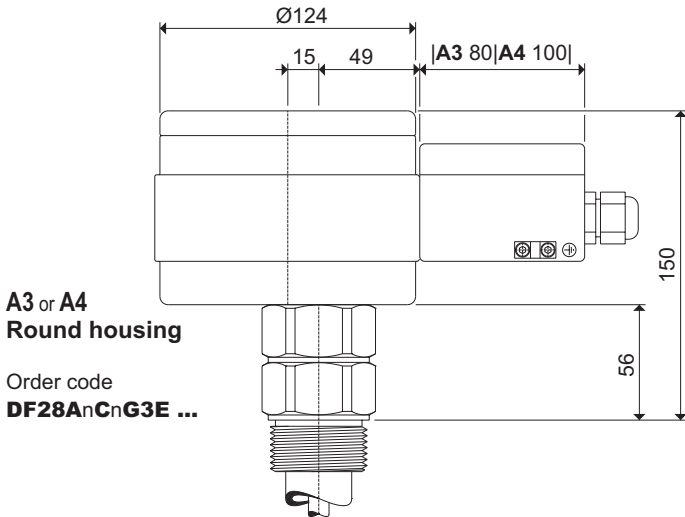
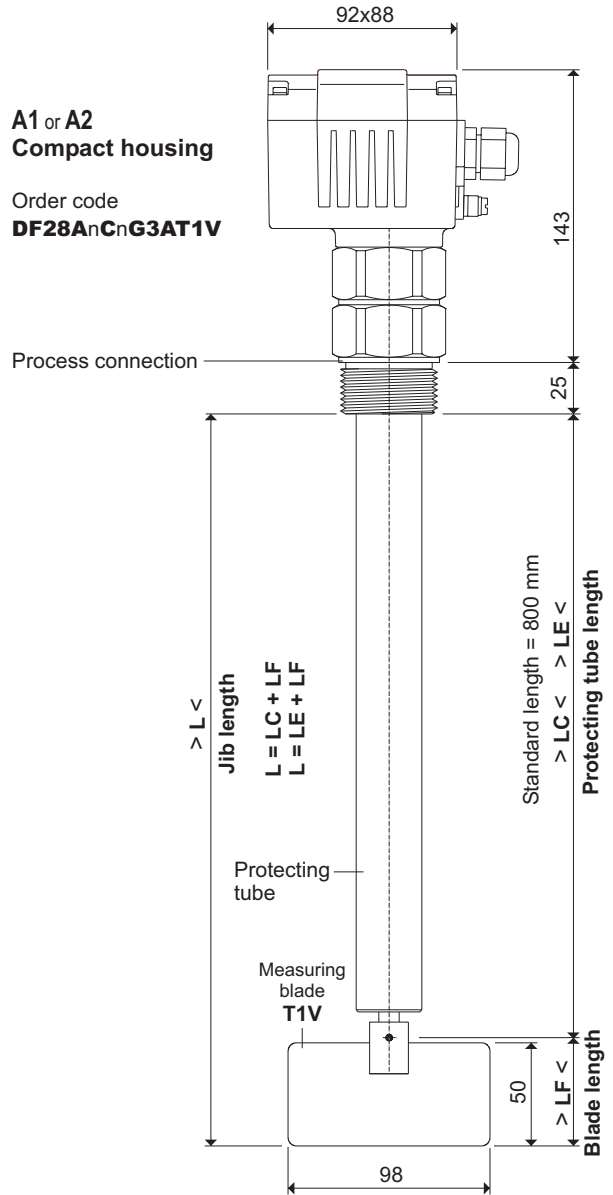


**Full, empty and demand indicator**  
with protecting tube for vertical mounting  
with KD for any mounting position  
(with bearing and seal ring at the end of the tube)

**Signal contact** 2 A / 250V AC potential-free  
**Type of protection** IP66 in accordance with DIN EN 60529  
**Maintenance** none



**A1 or A2  
Compact housing**  
Order code  
**DF28AnCnG3AT1V**



You will find further technical details  
under appliance information **DF-GI...**

4 housing versions to choice

Housing selection  
 A1 Compact aluminium housing ..... Standard and ATEX Dust  
 A2 Stainless steel compact housing .. Standard and ATEX Dust  
 A3 Aluminium round housing ..... ATEX II 1D2G/2GD EEx de IIB T6 T70°C IP66 Gas+Dust  
 A4 Stainless steel round housing ..... ATEX II 1D2G/2GD EEx de IIB T6 T70°C IP66 Gas+Dust

### Choice of options

#### Certifications, certificates, approvals

- B0 Standard and ATEX II 3/3D T80°C IP66 Dust.....
- B1 ATEX II 1/2D T80°C IP66 Dust .....
- B2 ATEX II 1D T70°C IP66 Dust D2).....
- B3 ATEX II 1/3D T80°C IP66 Dust.....
- B9 Further approvals ..... on request

#### Supply voltage

- C1 220...240V AC (50...60Hz).....
- C2 110...120V AC (50...60Hz).....
- C3 48V AC (50...60Hz).....
- C4 24V AC (50...60Hz).....
- C5 24V DC.....
- C9 Special voltages ..... on request

#### Self-monitoring

- D0 Without monitoring
- D1 Function monitoring.....
- D2 Voltage monitoring.....

#### Signal lamps<sup>1)</sup>

- H0 Standard = with function LEDs .....
- H1 Collar for function LEDs.....
- H2 Signal lamp, LED green.....
- H8 Large signal lamp, LED green.....

#### Bulk goods temperature

- E0 Standard = -25°C...+80°C<sup>2)</sup>...
- E1 -25°C...+150°C.....
- E2 -25°C...+200°C.....
- E3 -25°C...+260°C.....
- E4 -25°C...+500°C<sup>1)</sup>.....
- E7 Appliance heating 2,5 Watt<sup>1)</sup>... ..
- E9 ...+1000°C<sup>1)</sup>..... on request

#### Container pressure

- P0 Standard = -0,5...5 bar<sup>3)</sup> ..
- P1 -0.5 bar...10 bar.....
- P2 -0.1 bar...10 bar<sup>4)</sup>.....
- P5 -0.9 bar...1 bar<sup>4)</sup>.....
- P6 -0.9 bar...10 bar.....
- P7 -0.9 bar...10 bar<sup>4)</sup>.....

#### Process connection

- G2 Thread G1¼" DIN/ISO 228..... X X
- G3 Thread G1½" DIN/ISO 228..... X X
- G9 Other threads ..... on request
- F1 Flange F70 Ø110, 4xØ9/Ø90..... X X
- F2 Flange F100 150x150, 4xØ18/Ø170..... X X
- F5 Flange DN32 PN 10..... X X
- F6 Flange DN100 PN 6..... X X

#### Material of process connection

- A Aluminium.....
- E Stainless steel.....
- X Other materials..... on request

#### Measuring blade

- M0 Without measuring blade.....
- S2 Socket blade 120x30 inclined.... X X
- M2 Socket blade 90x40..... X X
- T0 Blade T220 68x220..... X X
- T1 Blade T50 98x50..... X X
- T2 Blade T100 98x100..... X X
- T5 Blade T250 250x100..... X X
- TG Blade GT 98x8..... X X
- T8 Rubber blade<sup>1)</sup> 250x98..... X X
- X1 Blade X50 98x50..... X X
- X2 Blade X100 98x100..... X X
- X3 Blade X200 180x100..... X X
- K1 Hinged blade T230 200x30..... X X
- M9 Other measuring blades.... on request

#### Blade reinforcement

- Without reinforcement.....
- V With reinforcement.....

#### Jib length and material, standard length LE or LC = 800 mm

- LE Protecting tube in stainless steel.....
- 0 0 0 0 enter required length in mm, last digit always 0
- min. 250 mm, max. 6000 mm

KD with bearing and seal ring at the end of the protecting tube .....

### Supplies

- DF-SH Weather protection hood in PVC, RAL 7001 ....  
Certificated only for zone 22 and in non-hazardous areas
- DF-SM2 Hexagonal nut G1¼".....
- DF-SM3 Hexagonal nut G1½".....

#### Material of nuts

- A Aluminium
- E Stainless steel

- DF-KV1 Second cable union for standard version.....
- DF-KV2 Second cable union for ATEX version.....

- D2) delivery only together with D2 or D1
- 1) **not** available together with B1, B2, A3 and A4
- 2) max. bulk goods temperature at B2 = -20°C...+45°C
- 3) container pressure at B1, B2 and B3 = -0.08bar...+0.08bar (-80...+80mbar)
- 4) with pressure decoupling bell housing DF-P2, -P5 and -P7
- !!! usage for differences in pressure with B1, B3, A3 and A4 !!!



B0, D0, H0, E0, P0, R0 and M0 are **not needed** for order code

#### Standard with

- R0 NBR sealing ring, black.....  
suitable for the majority of bulk goods

#### Options only for special applications:

- R1 Sealing ring in Viton/Teflon/VA ..
- R2 Sealing ring in NBR, white FDA ...
- R5 Sealing ring in Teflon.....
- R9 Other sealing rings ...on request
- Rn add as suffix to selected connection e.g. G3ER2

#### Measuring blade passes through tight hole of:

- G2, G3 ..... and all other flanges
- G3 ..... and all other flanges
- F1, F2, F6, F7 ..... only for vertical mounting
- F2, F6, F7
- F2, F6, F7

F2, F6, F7

F2, F6, F7

F2, F6, F7

G2, G3 ..... and all other flanges

All larger dimensioned blades **cannot** be inserted through the tight holes and must be mounted from the inside.

DF28  ← Order code