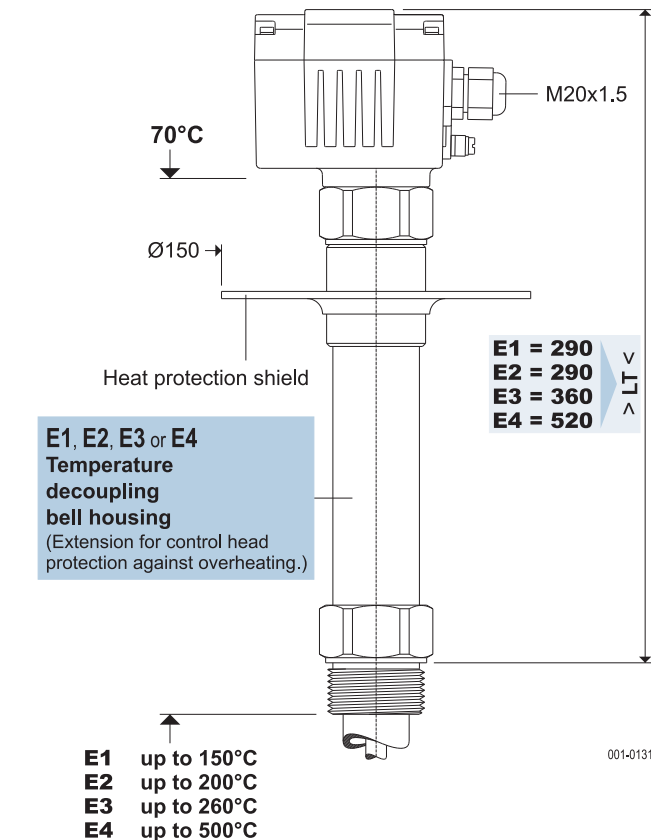
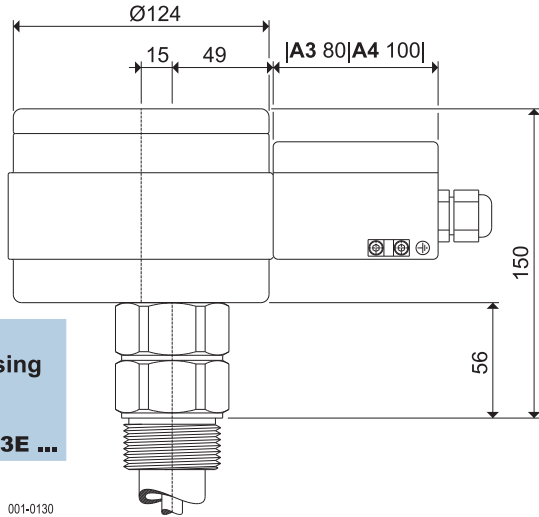


**Full, empty and demand indicator**  
with protecting tube for vertical mounting  
with KD for any mounting position  
(with bearing and seal ring at the end of the tube)

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

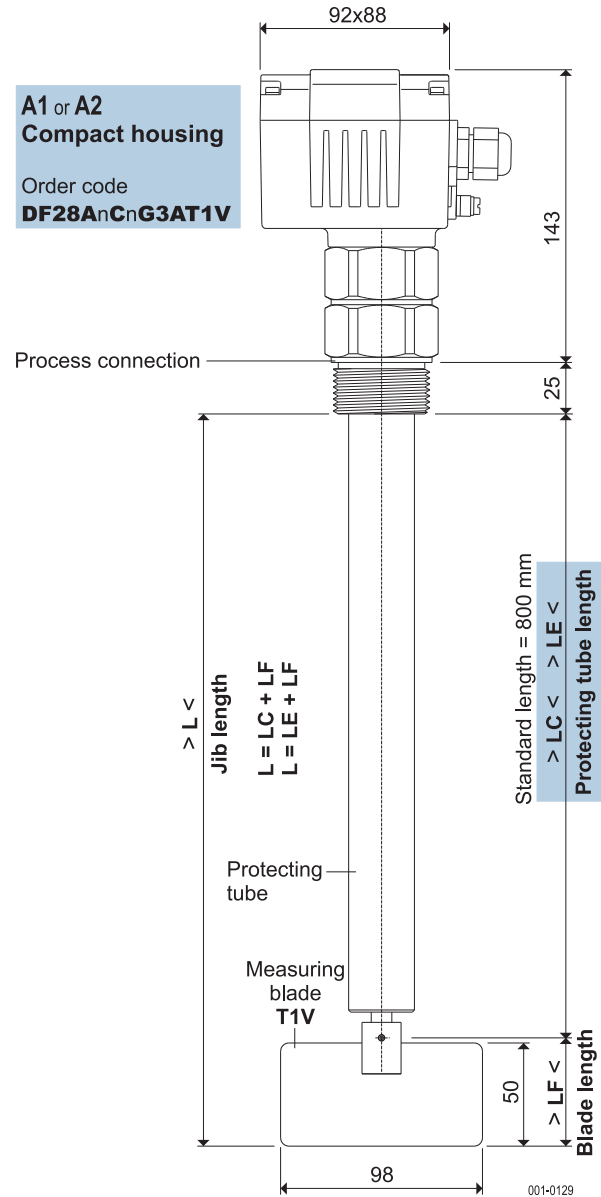
3

**A3 or A4**  
**Round housing**  
Order code  
**DF28AnCnG3E ...**



**A1 or A2**  
**Compact housing**

Order code  
**DF28AnCnG3AT1V**



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

4 housing versions to choose

Housing selection

- A1 Standard compact aluminium housing ... C€ conform and ATEX Dust
- A2 Stainless steel compact housing ... C€ conform and ATEX Dust
- A3 Aluminium round housing ..... ATEX II 2G Ex db eb IIC T6 @G+S+Dust
- A4 Stainless steel round housing ..... ATEX II 2G Ex db eb IIC T6 @G+S+Dust

- A1
- A2
- A3
- A4

### Choice of options

#### Certifications, certificates, approvals

- B0 Standard = C€ conform and IP66 .....
- B1 ATEX II 1/2D Ex ta/tb IIC T80°C Dust .....
- B2 ATEX II 1D Ex ta IIC T70°C Dust D2) .....
- B3 ATEX II 1/3D Ex ta/tc IIB T80°C Dust 1) .....
- B9 Further approvals ..... on request

#### Supply voltage / Supply

- 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 .....
- C6 12V DC .....
- C7 48V DC .....
- C9 Special voltages ..... on request

#### Self-monitoring

- D0 Standard = 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/T<sub>(process)</sub>

- E0 Standard = -25°C...+80°C 2) ..
- E1 -40°C...+150°C with R1 or R5 ....
- E2 -25°C...+200°C with R1 or R5 ....
- E3 -25°C...+260°C with R1 or R5 ....
- E4 -25°C...+500°C with R1 or R5 ....
- E7 Appliance heating 2.5 Watt .....
- E9 ...+1000°C 1) ..... on request

#### Container pressure / p<sub>(process)</sub>

- P0 Standard = -0.5...5 bar 3) .....
- P1 -0.5 bar...10 bar .....
- P2 -0.95 bar...25 bar 4) .....
- P6 -0.9 bar...10 bar .....
- P7 -0.9 bar...10 bar 5) .....

#### 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 1.4301 / 304 .....
- X Other materials ..... on request

#### Measuring blade

- M0 without measuring blade .....
- S2 Socket blade 130x30 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  
KD-Seal ring options: E2 and E3 = R5, at E4 only with R8, protecting tube 1¼ and G3E

- R0 Standard with NBR seal ring, black ..... suitable for the majority of bulk goods
- Options only for special applications:
- R1 Seal ring in PTFE/VITON .....
- R2 Seal ring in NBR, white FDA .....
- R5 Seal ring in PTFE, white FDA .....
- R8 Seal ring in Graphit .....
- 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
- G2, G3 ..... and all other flanges

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

### Supplies

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

#### Material of nuts

- A Aluminium
- E Stainless steel 1.4301 / 304

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

## Delivery from Stock

ordered until 12<sup>00</sup> - dispatched at 16<sup>00</sup>

- 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 area separating element DF-P2 (gas-tight and leakproof)
- 5) with pressure decoupling bell housing DF-P7 (pressure separating)
- 5) !!! usage for differences in pressure within ATEX areas !!!

€ Price on request



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

DF28 0

Order code