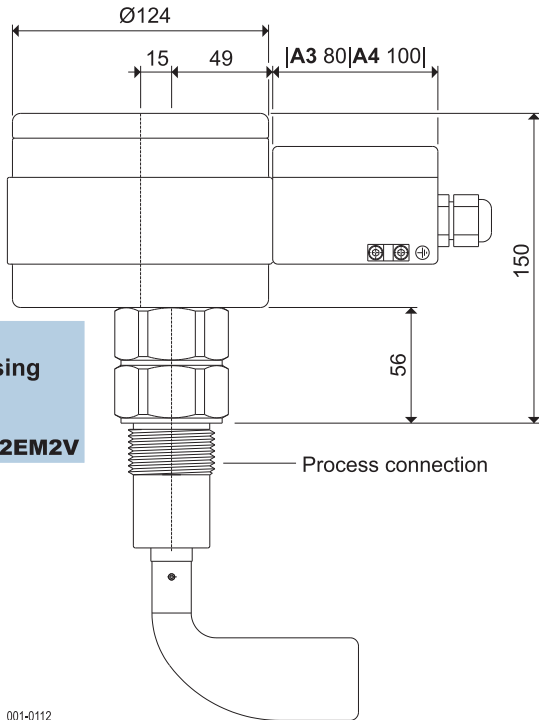


Full, empty and demand indicator

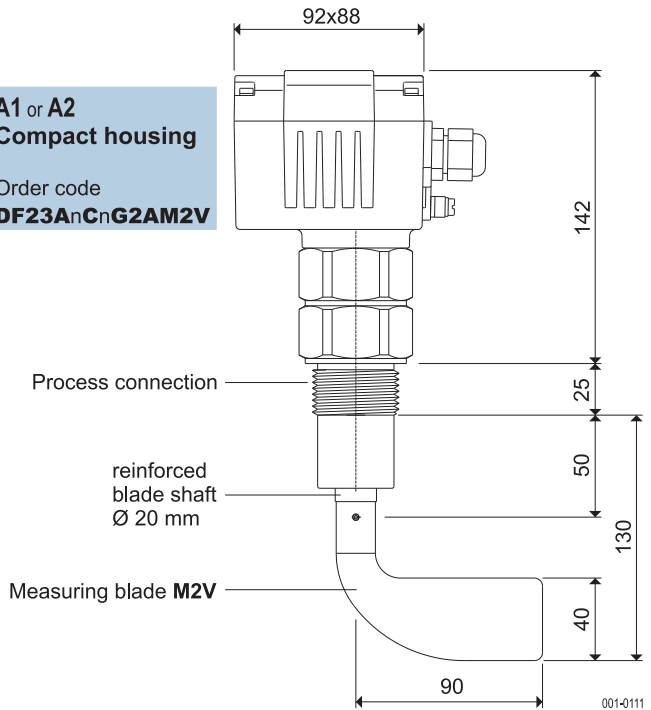
for any mounting position
with reinforced blade shaft

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

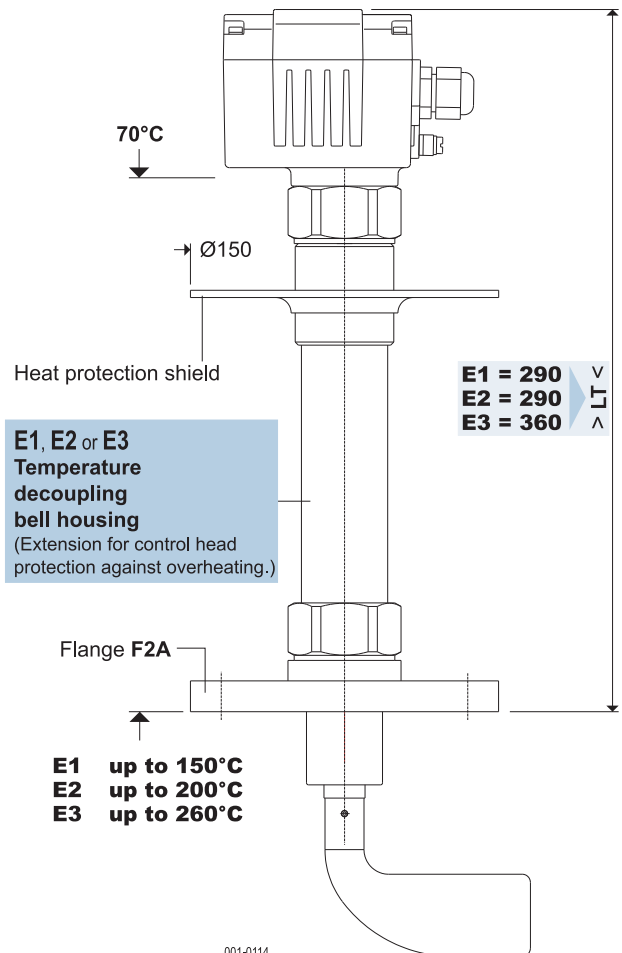
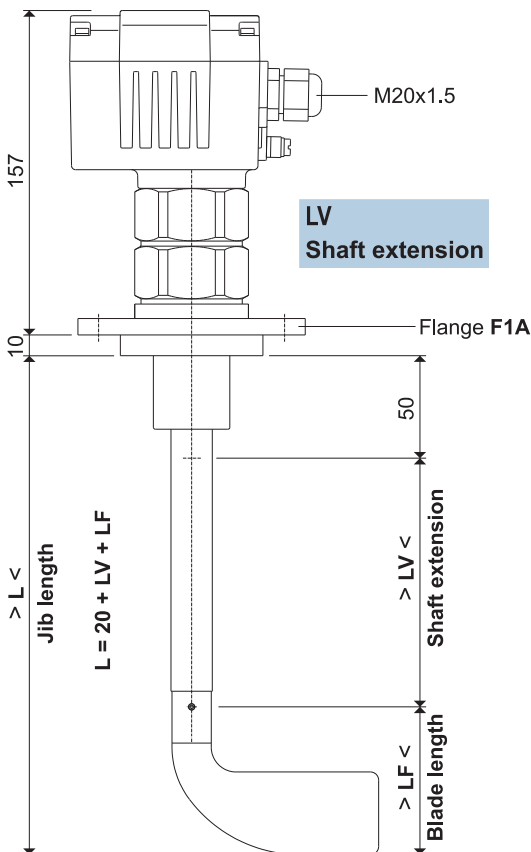
Order code
DF23AnCnG2AM2V



A3 or A4 Round housing

Order code
DF23AnCnG2EM2V

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



**E1, E2 or E3
Temperature
decoupling
bell housing**
(Extension for control head
protection against overheating.)

E1 = 290 V
E2 = 290 LT
E3 = 360 ^

E1 up to 150°C
E2 up to 200°C
E3 up to 260°C

4 housing versions to choice

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 C+S+Dust
 A4 Stainless steel round housing ATEX II 2G Ex db eb IIC T6 C+S+Dust

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 lamps¹⁾**
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_(process)**
E0 Standard = -25°C...+80°C ²⁾ ..
E1 -40°C...+150°C only with R7
E2 -25°C...+200°C only with R7
E3 -25°C...+260°C only with R7
E7 Appliance heating 2.5 Watt

- Container pressure / p_(process)**
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
G4 Thread G2 DIN/ISO 228 X X
F1 Flange F70 Ø110, 4xØ9/Ø90 X X
F2 Flange F100 150x150, 4xØ18/Ø170 X X
F6 Flange DN100 PN 6 X
F9 Other flanges on request

- Material of process connection**
A Aluminium
E Stainless steel 1.4301 / 304 Z
X Other materials on request

- Measuring blade**
M0 without measuring blade X X
S2 Socket blade 130x30 inclined .. X X
SG Socket blade 120x8 X X
M2 Socket blade 90x40 X X
T1 Blade T50 98x50 X X
M9 Other measuring blades.... on request

- Blade reinforcement**
 without reinforcement
V with reinforcement

- Jib extension**
 Standard = Shaft length (LV0000 not applicable)
LV Shaft extension, reinforced shaft

0 0 0 0 enter required length, up to max. 2000 mm in 100 mm steps

- A1
A2
A3
A4

DF23 Order code

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 | X | X |
| DF-SM3 Hexagonal nut G1½ | X | X |
| DF-SM4 Hexagonal nut G2 | 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 12⁰⁰ - dispatched at 16⁰⁰

- ^{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 and M0 are **not needed** for order code

- Standard with
R6 Seal ring in NBR black suitable for the majority of bulk goods
Options only for special applications:
R7 Seal ring in PTFE, white FDA
R9 Other seal rings on request

- Measuring blade passes through tight hole of:**
G2, G3, G4 and all flanges
G2, G3, G4 and all flanges
G3, G4 and all flanges
F2, F6, F7

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