

Fluid-level-gauge type FM01



description:

High quality vibrating switch to control fluid levels in tanks, containers and pipes. Suitable in cleaning- and filtering systems as well as coolant- and lubricant tanks to protect from overfills and pumps. Convincing in fields where typical measurement principles such as conductivity are disturbed by deposits, turbulences, flows and bubbles.

product features:

- to measure fluid levels of liquid media
- compact design
- output via DC-PNP or AC/DC
- plug included

connection:

G 1/2", G 3/4"

temperature:

-40°C up to +100°C

pressure:

-1 up to +40 bar

design:

Fluid level gauge in compact design

body material:

stainless steel

supply voltage:

10 - 30 V DC, 3-wire or 20 – 253 V AC/DC, 2-wire

operating capacity:

200mA (DC), 250mA (AC/DC)

current consumption:

<15mA (DC), <3,8mA (AC/DC) in cut-out-torque <1mA for 100ms

plug:

M12, valve plug; AC/DC-version only valve plug

response time:

ca. 0,5s at covering; ca. 1s at release

hysteresis:

max. 3 mm

process connection:

thread ISO 228 G 1/2", G 3/4"

fitting position:

any position

switching point:

vertical installation 13mm, horizontal 10,5mm (water +25°C, 1bar)

surface roughness:

process touching metallic surface RA ≤ 3,2µm

environment temperature:

-40°C - +70°C

temperature:

-40°C - +100°C

pressure:

-1 bar - +40 bar

storage temperature:

-40°C – 85°C

climate class:

DIN EN 60068-2-38/IEC 68-2-38: test Z/AD

protection class:

IP65/67 NEMA Type 4 Enclosure plug M12
IP65 NEMA Type 4 Enclosure valve plug

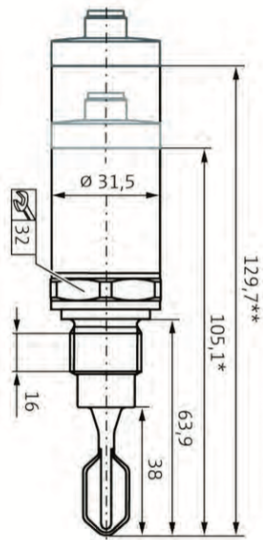
material density:

>0,7 g/cm³

material viscosity:

1 – 10000 mPa *s dynamic viscosity

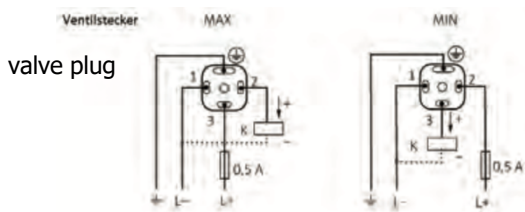
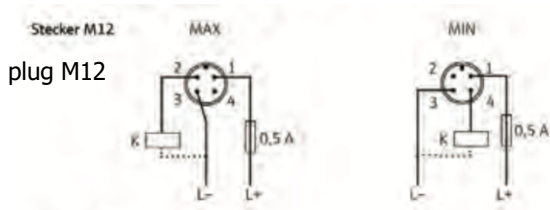
diameter:



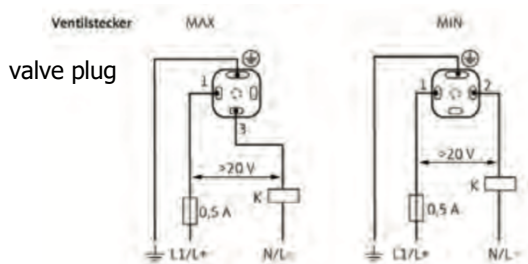
*for process temperatures max. 100°C

output:

3-wire DC-PNP:



2-wire AC/DC:



article number:

type	design	sensor length	electrical output	connection
FM01	00 - -40 - +100°C	0 - valve plug 1 - plug M12	0 - 20 - 253 V AC/DC 1 - 10 - 30 V DC	03 - G 1/2" 04 - G 3/4"

example:

FM01000103

Fluid level gauge in compact design

range of temperature: -40 - +100°C

sensor length: valve plug

output: 10 - 30 V DC

connection: G 1/2"

Image similar, subject change without notice.