



VEGASWING 63



Vibrating level switch with tube extension for liquids

Application area

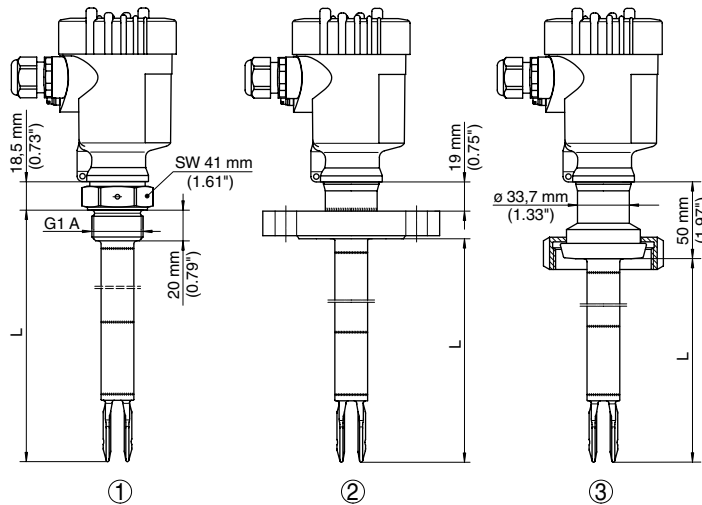
VEGASWING 63 is used as a universal level switch in liquids. It detects reliably with millimetre accuracy when a certain level is reached. It can be used in vessels in any installation position. The instrument can be used as empty or full detector, as approved overfill protection, dry run protection or pump protection.

Advantages

- Setup without adjustment
- Product-independent switching point
- Very high reproducibility
- Wear and maintenance-free
- SIL qualified

Function

Via the piezo drive, the tuning fork is energized to vibrate at its resonance frequency. When covered with medium, the frequency of the fork decreases. This frequency change is processed by the integrated electronics and converted into a switching command. To ensure a secure and reliable fastening of the piezo drive, an optimised screw connection is used.



- 1 Threaded version G1 A
- 2 Flange version
- 3 Bolting DN 50 PN 25

Approval

- XX** without
- XA** Overfill protection according to WHG
- CA** ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + WHG
- DA** ATEX II 1/2G, Ex d IIC T2...T6 + WHG
- CM** ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + Ship approval
- DM** ATEX II 1/2G, Ex d IIC T2...T6 + Ship approval
- CI** IECEx Ex ia IIC T6
- DI** 0/1 Ex d IIC T6...T2 Ga/Gb
- XM** Ship approval

Process fitting / Material

- GBV** Thread G $\frac{3}{4}$ (DIN 3852-A) PN64 / 316L
- NBV** Thread $\frac{3}{4}$ NPT (ASME B1.20.1) PN64 / 316L
- GAV** Thread G1 (DIN 3852-A) PN64 / 316L
- NAV** Thread 1NPT (ASME B1.20.1) PN64 / 316L
- CCN** Tri-Clamp 1" PN16 / 316L Ra<0.3 μ m
- CCP** Tri-Clamp 1" PN16 / 316L Ra<0.8 μ m
- CAN** Tri-Clamp 2" PN16 / 316L Ra<0.3 μ m
- CAP** Tri-Clamp 2" PN16 / 316L Ra<0.8 μ m
- RAN** Bolting DN40PN40 DIN11851 / 316L Ra<0.3 μ m
- RAP** Bolting DN40PN40 DIN11851 / 316L Ra<0.8 μ m
- FPV** Flange DN25PN40 Form C, DIN 2501 / 316L
- FPH** Flange DN25PN40 Form C, DIN 2501 / ECTFE
- FEV** Flange DN50PN40 Form C, DIN 2501 / 316L
- FEH** Flange DN50PN40 Form C, DIN 2501 / ECTFE
- FEF** Flange DN50PN40 Form C, DIN 2501 / PFA
- FPS** Flange DN25PN40 Form B1, EN 1092-1/enamel
- FES** Flange DN50PN40 Form B1, EN 1092-1/enamel
- APV** Flange 1" 150lb RF, ANSI B16.5 / 316L
- APH** Flange 1" 150lb RF, ANSI B16.5 / ECTFE
- APE** Flange 1" 150lb RF, ANSI B16.5 / enamel
- ACV** Flange 2" 150lb RF, ANSI B16.5 / 316L
- ACH** Flange 2" 150lb RF, ANSI B16.5 / ECTFE
- ACE** Flange 2" 150lb RF, ANSI B16.5 / enamel

Adapter / Process temperature

- X** without / -50...150°C
- T** with / -50...250°C
- G** with gas-tight leadthrough / -50...150°C
- D** with gas-tight leadthrough / -50...250°C

Housing / Cable gland

- P** Plastic IP66/67 / M20x1.5
- M** Aluminium IP66/IP67 / M20x1.5
- U** Aluminium IP66/IP67 / $\frac{1}{2}$ NPT
- 8** StSt (electropolished) 316L / IP66/IP67 / M20x1.5

Electronics

- C** Contactless electronic switch 20...250VAC/DC
- R** Relay (DPDT) 20...72VDC/20...250VAC (3A)
- T** Transistor (NPN/PNP) 10...55VDC
- Z** Two-wire 8/16 mA 12...36VDC
- N** NAMUR signal



Length (from seal surface)

- 316L (80-6000 mm) per 100 mm
- ECTFE coated (80-3000 mm) per 100 mm
- PFA coated (80-3000 mm) per 100 mm
- 316L Ra <=0.8 μ m (80-6000 mm) per 100 mm
- 316L Ra <=0.3 μ m (80-6000 mm) per 100 mm
- enamelled version (300, 400, 500, 600 mm) once



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.