



PROCESS AUTOMATION

THE EASIEST WAY OF LIMIT MONITORING

CAPACITIVE POINT LEVEL SWITCH



THE EASIEST WAY OF LIMIT MONITORING IN BULK MATERIALS AND LIQUIDS

The new capacitive point level switch LCL is an ideal solution for light bulk material and liquids. Typical bulk materials are plaster of Paris, cement, cereals, mixed provender, flour or milk powder. Apart from a compact unit with a probe length of only 140 mm, a cable version is available with a length of maximum 6.000 mm. The capacitive point level switch is easy to be put into operation ("plug & play"). The active build-up compensation and the mechanical stability are additional features. The point level switch LCL is available with two electronic inserts:

- With relay output and AC or DC supply
- With PNP output and three-wire DC supply

On account of the excellent price-to-performance ratio and the versatile utilisability, it is well on the way to becoming the "plant builders favourite".



versatile

compact





oact

ADVANTAGES:

- easy installation and operation
- plug and play
- versatile utilisation
- to be used with adhesive media as well
- active build-up compensation



robust

TYPE CODE

Mechanical design

- 1 Compact version
- 2 Cable version with extension

Process connection

- R3** Screw-in unit R 1", DIN 2999
- N3** Screw-in unit 1" NPT
- R5** Screw-in unit R 1 1/2", DIN 2999
- N5** Screw-in unit 1 1/2" NPT II

Length

- K** Compact version, 1400 mm
- 3** 1500 mm steel HD-PE insulated
- 4** 2500 mm steel HD-PE insulated
- 6** 6000 mm steel HD-PE insulated

Housing

- C** Polyester housing IP66, 1/2" NPT
- Q** Polyester housing IP66, G 1/2"
- P** Polyester housing IP66, M20 x 1.5

Electrical outputs

- E5** Output PNP 10.8 V DC ... 45 V DC
- WA** Output with potential-free alternator, relay 20 V AC ... 253 V AC/20 V DC ... 55 V DC

Speciality

- N** Without additional equipment
- D** With clear-view cover

Certifications

- NA** Variants for non-hazardous areas
- EX** BVS, Zone 10/ATEX II 1/3 D
- WH** Overfill protection: WHG
- FS** FM, DIP Cl.II,III, Gr. E-G, T5
- CS** CSA, DIP Cl.II, Gr. E-G, Cl.III
- CG** CSA General Purpose

Operating conditions

- Media temperature: -40 °C ... +120 °C
- Media pressure limit: -1 bar ... +25 bar
- Protection class: IP66
- Grain limit: max 30 mm
- Bulk weight: min 200 g/l
- Max. lateral load: 1400 N
- Tensile strength: 3000 N

Process connection

- R 1, 1 NPT
- R 1 1/2, 1 1/2 NPT

Certifications, approvals

- Dust-Ex Zone 10
- ATEX II 1/3 D
- FM
- CSA

LCL

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