Rotonivo® 3000 / 6000

Rotating level limit switch
The trusted, multifunctional and maintenance free unit for reliable level monitoring of bulk goods – versatile, modular structure; for application in hazardous locations (gas and dust). RN 6000 series SIL 2 compliant.
Rotonivo® 3000 / 6000

- Suitable for virtually all bulk goods
- Insensitive to dust, electrical charge, adhesion, temperature and pressure
- Simple and reliable measuring principle, easy and fast installation

Application: Rotonivo® paddle switches can be used as full, demand or empty detectors in bulk good silos. They are suitable for applications in a wide variety of materials. Rotonivo switches are available with international certificates for applications in hazardous locations (gas and dust).

Types of Rotonivo flanges:

- Rotonivo ..001 Standard design, vertical, horizontal and oblique installation
- Rotonivo ..002 Full detector with rope extension or protection tube, vertical installation
- Rotonivo ..003 Design with protection tube and angled extension, horizontal installation
- Rotonivo ..004 Design with protection tube, vertical, horizontal and oblique installation

Technical Data

- Housing: Aluminium IP 66 / NEMA Type 4
- Pressure range: -0.9 up to +10 bar (-13.1 up to +145 psi)
- Signal output: Microswitch or Relais SPDT / DPDT contact
- Versions with certificates: ATEX II 1/2D and II 2G, INMETRO FM Cl. I, II, III, Div. 1 Gr. A-G; Zone 1 CSA Cl. I, II, III Div. 1 Gr. B-G; Zone 1 TR-CU, IEC Ex, NEPSI-Ex
- Process temperature range: -40°C up to +1100°C (3001 / 3002), (-40°F up to +2012°F) (3001 / 3002)
- Bearing: Encapsulated ball bearing with shaft sealing
- Process connection: G 1", 1½" and 1¼"; NPT 1½" and 1¼"; M30x1,5 and M32x1,5; various flanges available
- Material: Aluminium or stainless steel 1.4305 (SS303) or 1.4404 (SS316L)
- Material measuring vane and shaft: Stainless steel 1.4301 (SS304) or 1.4404 (SS316L)

Various measuring vanes and special solutions

- Boot shaped vane: For lightweight materials (e.g. carbon black, styrofoam, etc.)
- Hinged vane: Foldable version for easy insertion through a long socket
- Rubber vane: For lightweight materials (e.g. carbon black, styrofoam, etc.)

Housing types

- RN 3000 standard
- RN 3000 extra compact version for installation in loading bellow
- RN 6000 standard
- RN 6000 flameproof, increased safety