

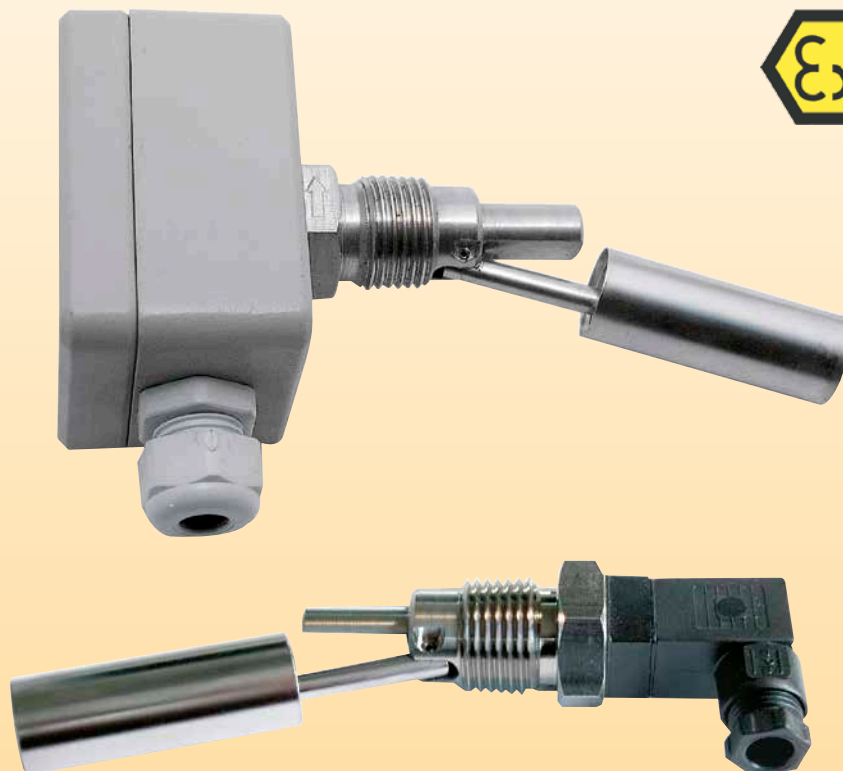


Level Switch



measuring
•
monitoring
•
analysing

RFS



- For lateral mounting
- Electr. connection:
DIN plug or
aluminium housing connection
- Stainless steel 1.4301
- Can be mounted as
N/C or N/O contact
- For ATEX applications



N1

KOBOLD companies worldwide:

AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHINA, CZECHIA, EGYPT, FRANCE, GERMANY, GREAT BRITAIN, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, REPUBLIC OF KOREA, ROMANIA, RUSSIA, SPAIN, SWITZERLAND, THAILAND, TUNISIA, TURKEY, USA, VIETNAM

Description

The KOBOLD level switches RFS are designed for monitoring filling levels of liquids cost-effectively. The liquid must not contain solids nor metallic particles.

A pivoted stainless steel float with an inserted solenoid moves up and down together with the filling level of the liquid. The solenoid switches a reed contact.

Depending on the mounting position of the device, the contact works as N/O or N/C contact with rising filling level. The devices are delivered for direct lateral mounting in commercially available sleeves.

The following versions are available:

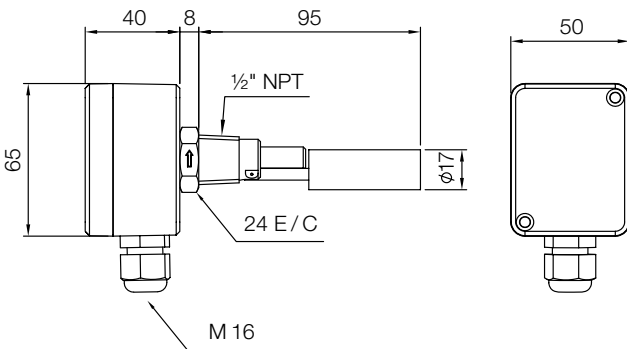
RFS-1200 N4: Standard version with plug connection

RFS-1201 N4: Standard version with housing connection (aluminium)

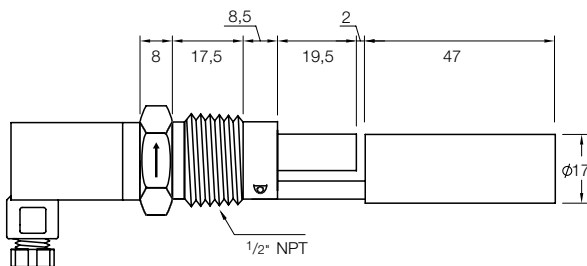
RFS-12Ex N4: ATEX version for use in environments with explosion hazards (an additional relay is required for the use in environment with gas explosion hazards)

Dimensions [mm]

RFS-1201 N4, RFS-12Ex N4



RFS-1200 N4



Technical Details

Medium temperature: -40 °C ... +120 °C

Ambient temperature: -20 °C ... +80 °C (RFS-1200 N4 and RFS-1201 N4)
-20 °C ... +60 °C (RFS-12Ex N4)

Operating pressure: max. 5 bar

Installation position: horizontal

Materials

Housing/plug: plastic (RFS-1200 N4)
aluminium (RFS-1201 N4 and RFS-12Ex N4)

Float: stainless steel 1.4301

Connection: stainless steel 1.4301

Process connection: 1/2" NPT

Electr. connection: DIN plug (RFS-1200 N4)

terminals in the aluminium connection (RFS-1201 and RFS-12Ex)

Contacts: N/O or N/C contact, depending on the mounting position of the device

Switching voltage: max. 240 V_{AC} / 300 V_{DC} (RFS-1200 and RFS-1201)

max. 40 V_{DC} (RFS-12Ex)

Switching current: max. 0.5 A

Switching capacity: max. 15 VA (RFS-1200 and RFS-1201)

max. 4 VA (RFS-12Ex)

Medium density: >0.7 g/cm³

Protection: IP 65

ATEX marking (RFS-12Ex): II 1 GD Exia II CT6 (gas)

II 2/1D ExtD A21 IP65 T85°C (dust)

Order Details (Example: RFS-1200 N4)

Model	Description
RFS-1200 N4	Standard version with plug connection
RFS-1201 N4	Standard version with housing connection (aluminium)
RFS-12Ex N4*	ATEX version for use in environments with explosion hazards

* An additional relay is required for the use in environment with gas explosion hazards