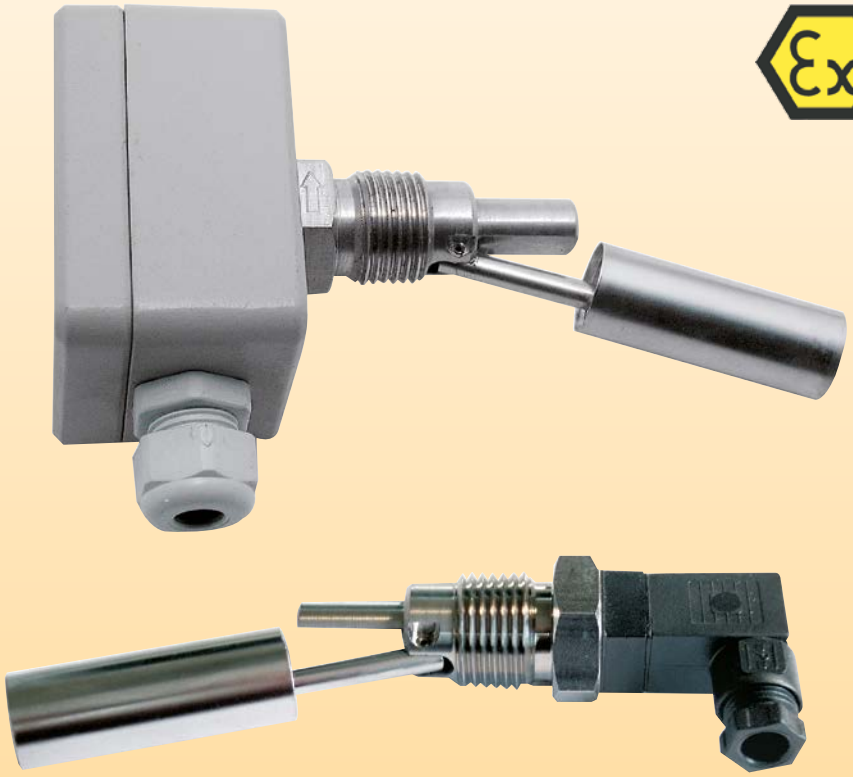
Level Switch

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

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Description

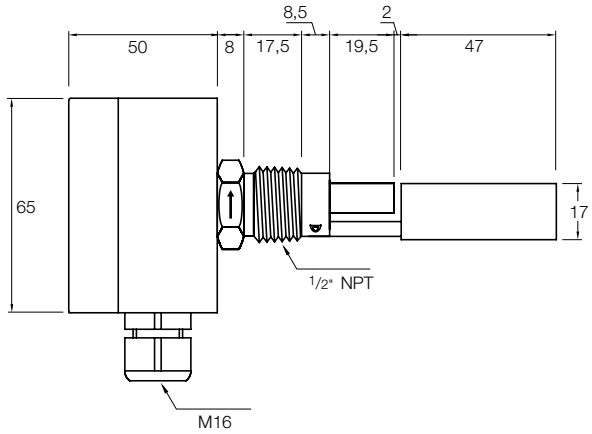
The KOBOLD level switches RFS are designed for monitoring filling levels of liquids cost-effectively. The liquid must not contain solids nor metallic particles.
A pivoted stainless steel float with an inserted solenoid moves up and down together with the filling level of the liquid. The solenoid switches 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:

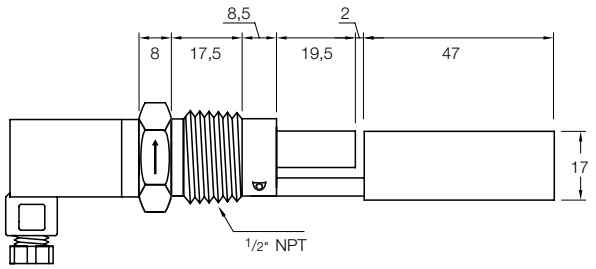
RFS-1200 N4: Standard version with plug connection
RFS-1201 N4: Standard version with housing connection (aluminium)
RFS-12Ex N4: ATEX version for use in environments with explosion hazards (an additional relay is required for the use in environment with gas explosion hazards)

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:	½" 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)
Contact resistance:	max. 150 mΩ
Medium density:	>0.7 g/cm³
Protection:	IP65
ATEX marking (RFS-12Ex):	⟨Ex⟩ II 1 GD Exia II CT6 (gas) ⟨Ex⟩ 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

1/02- 2016