



### Main Features

- All wetted parts in Stainless Steel
- Measures media with DK-value > 1.5
- IP67
- ATEX approved for dust
- Built with standard LBFS-x152x.x

### Applications

- High level in silos and tanks
- Hanging from top of the silo



### Technical Data

Housing	AISI 316L (1.4404)
Cable	PUR, 4-wire, shielded
Cable gland	M16, Stainless steel
Sensor body	AISI 316L (1.4404)
Sensor tip	PEEK

### Environment

Media temperature	-25 ... 80°C
Ambient temperature (when cable is unmoved)	-25 ... 80°C
(when cable is moved)	-5 ... 80°C
Bending radius min.	r ≥ 59 mm

### Approvals

Comply to EU directive 10/2011, 1935/2004, 2023/2006 and FDA

### Electrical specifications

Supply voltage	12 ... 30 VDC
Hysteresis	±1 mm
Repeatability	±1 mm
Reaction time	0.2 sec. typ.
Output	PNP, NPN or PWM

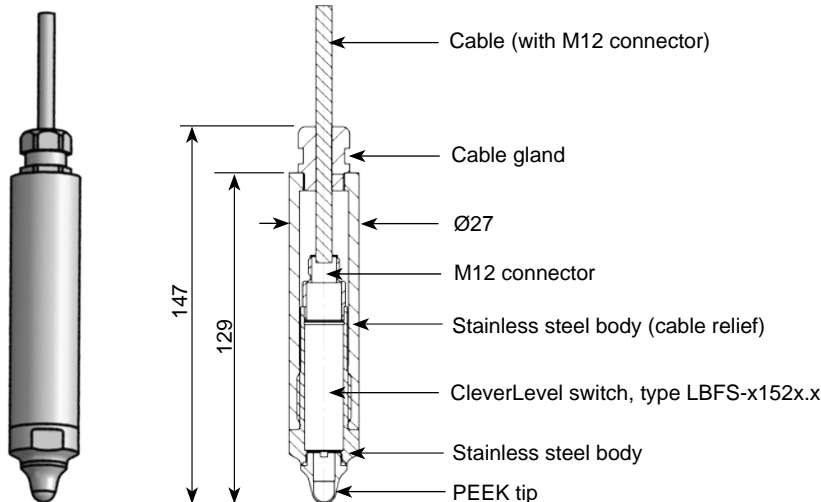
### ATEX specifications

Approval	ATEX II 1D, Ex ta IIIC T100 Da
Supply voltage	±12 ... 30 VDC
Temperature class	T100°C, -40 < T <sub>amb</sub> < 85°C

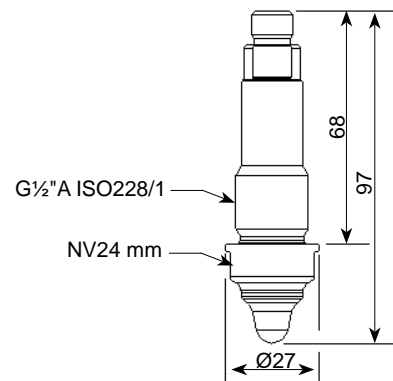
### Further specifications for LBFS-x152x.x

Please see data sheet for LBFS

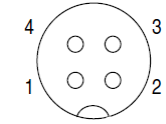
### Dimensions (mm)



### LBFS-x152x.x

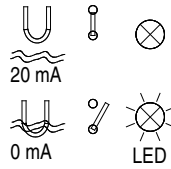


## Electrical connection and installation

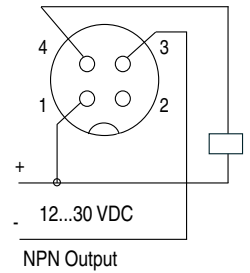
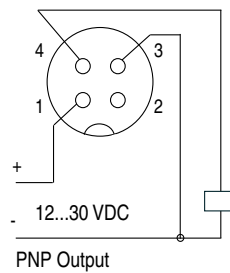
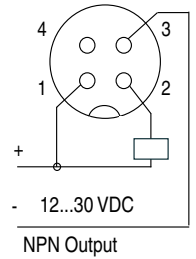
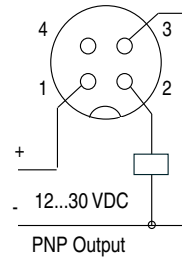
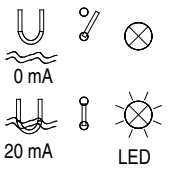


- 1. Brown + VDC
- 2. White Normally closed (NC)
- 3. Blue - VDC
- 4. Black Normally open (NO)

NC



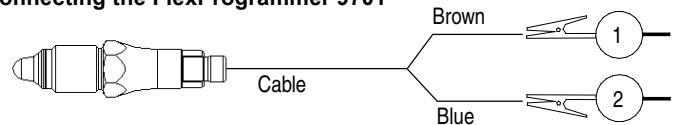
NO



### FlexProgrammer 9701



### Connecting the FlexProgrammer 9701



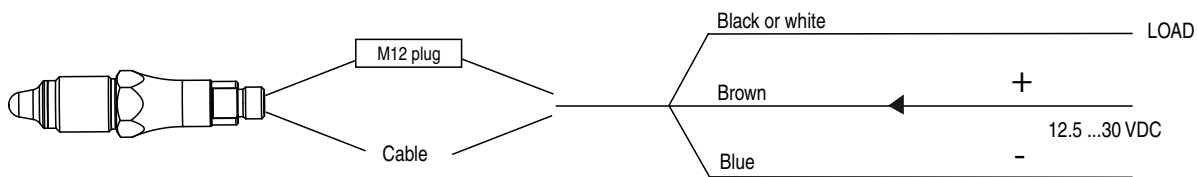
## Ex ta IIIC Da, ATEX II 1D – installation

A level Switch LBFS 2xxx x Ex ta IIIC T100 Da, ATEX II 1D approved for application in hazardous areas in accordance with the current EU directives.

The product must be installed in accordance with prevailing guidelines for zone 20 without a barrier.

### Ex-data

Supply range	12 ... 30 VDC, max. 100 mA
Temperature class	T100



## Ordering details

	LBFS	-				
<b>Model</b>	LBFS					
Level Switch, hanging version						
<b>Safety</b>						
Standard					0	
Ex (Dust)					2	
<b>Electrical Connection</b>						
Hanging version w. 1.5 m cable						A52
Hanging version w. 5 m cable						B52
Hanging version w. 10 m cable						C52
Hanging version w. 25 m cable						D52
<b>Output configuration</b>						
PNP output						1
NPN output						2
<b>Configuration</b>						
No configuration						0
Configuring according to customer specification						1