



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

Environment

Media temperature	-40 ... 85°C
Ambient temperature	-40 ... 85°C

Approvals

Comply to EU directive 1935/2004 and FDA requirements

Electrical specifications

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

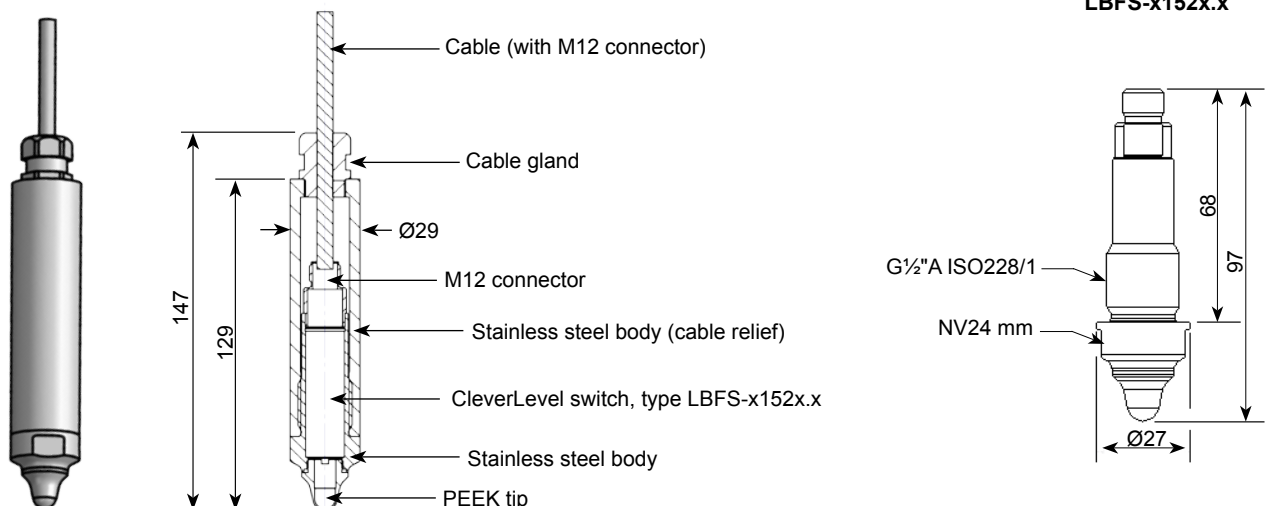
ATEX specifications

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

Further specifications for LBFS-x152x.x

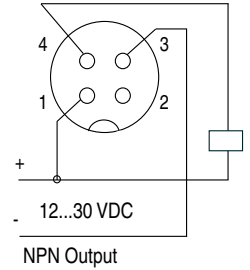
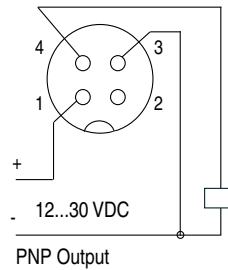
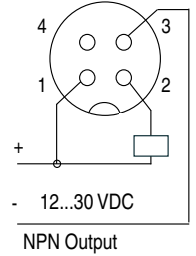
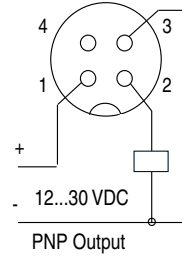
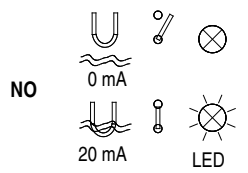
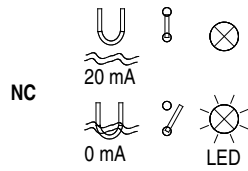
Please see data sheet for LBFS, Nr.E21.01

Dimensions (mm)



Electrical connection and installation

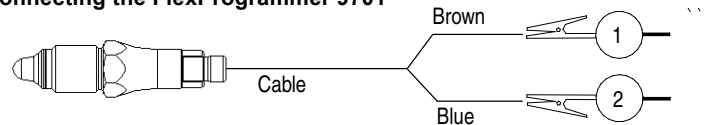
- | | |
|----------|----------------------|
| 4 | 3 |
| 1 | 2 |
| 1. Brown | + VDC |
| 2. White | Normally closed (NC) |
| 3. Blue | - VDC |
| 4. Black | Normally open (NO) |



FlexProgrammer 9701



Connecting the FlexProgrammer 9701



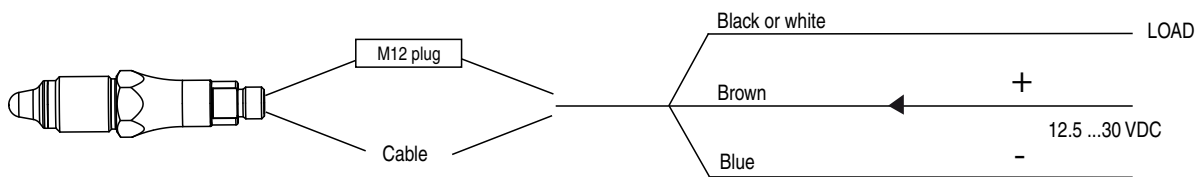
Ex ta IIIC Da, ATEX II 1D – installation

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

Model	LBFS	-		.	
Level Switch, hanging version	LBFS				
Safety					
Standard			0		
Ex (Dust)			2		
Electrical Connection					
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	
Output configuration					
PNP output				1	
NPN output				2	
Configuration					
No configuration					0
Configuring according to customer specification					1