

Translation

(1) Statement of Conformity

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**



- (3) **Statement of Conformity Number:** TÜV 11 ATEX 076879 X

Issue: 01

- (4) for the product: Level Switch
type: LBFS 3xxx x (x)

- (5) of the manufacturer: **Baumer A/S**

- (6) Address: Runetoften 19
8210 Aarhus V
Denmark

Order number: 8003007858

Date of issue: 2020-03-31

- (7) The design of this product and any acceptable variation thereto are specified in the schedule to this Statement of Conformity and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential ATEX Assessment Report No. 19 214 248761.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-15:2010

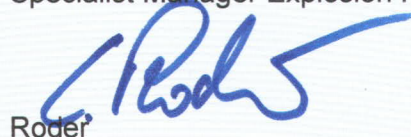
except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions for use specified in the schedule to this Statement of Conformity.
- (11) This statement of conformity relates only to the design, examination and tests of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this Statement of Conformity.
- (12) The marking of the product must include the following:

 **II 3 G Ex nA IIC T5/T4 Gc**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

Specialist Manager Explosion Protection



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(13) **SCHEDULE**

(14) **Statement of Conformity No. TÜV 11 ATEX 076879 X Issue 01**

(15) Description of product

The Level Switch LBFS is designed to detect levels in tanks, media separation and provide empty-pipe detection or dry-run protection for pumps. A high frequency sweep signal is radiated from the sensor tip into the tank. The media will act as a virtual capacitor, which together with a coil in the sensor head, will form a circuit creating the switch point signal. The virtual capacitance will depend of the dielectric value of the media.

The Level sensor can be delivered in different mechanical type variants covering e.g , output configuration, process connection thread size, housing material in accordance with the below listed type code list.

The issue of the certificate concerns the following points:

1. Several small changes of the equipment.
2. New assembly variants for LBFS-x2xxx.x (cable version).
3. Verification on compliance with the actual standards.

Type key:

LBFS 3xxx x (C) Ex nA – Gas zone 2 version

Technical data:

Supply and Signal circuit:
[Brown, Blue, White/Black]

only for connection to a circuit
with the following values:

$U_n = 30 \text{ VDC}$
 $I_n = 100 \text{ mA}$

Permissible range of ambient temperature:

-40 °C up to 74 °C T5

-40 °C up to 85 °C T4 resp. T100°C

For cable version LBFS-x2xxx.x:

-25 °C up to 70 °C T5 resp. T100°C"

Ingress protection class: IP67

(16) Drawings and documents are listed in the ATEX Assessment Report No. 19 214 248761.

(17) Specific conditions of use

1. The certificate numbers incorporates an "X" marking due to reduced force used on the cable pull test. The sensor cable must be fixed externally to the sensor at a distance max 50 mm from the level sensor.
2. The sensor can be delivered with factory mounted M12 plug connector. The sensor can alternatively be delivered without the M12 plug connector. In case delivery is without plug connector a connector meeting ingress protection IP67 must be chosen.

(18) Essential Health and Safety Requirements

no additional ones

- End of Statement -