



Translation

(1) **EU-Type Examination Certificate**

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



(3) **Certificate Number** TÜV 08 ATEX 554726 X **issue:** 00

(4) for the product: Bypass Level Indicator type BNA-S../. EX...x....

(5) of the manufacturer: **Barksdale GmbH**

(6) Address: Dorn-Assenheimer Str. 27  
61203 Reichelsheim  
Germany

Order number: 8003003473

Date of issue: 2019-07-11

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, 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. 19 203 240045.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN ISO 80079-36:2016**

**EN ISO 80079-37:2016**

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 the Specific Conditions for Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the product shall include the following:

**II 1 G Ex h IIC T6...T1 Ga**

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

The head of the notified body

Roder

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This certificate may only be reproduced without any change, schedule included.  
Excerpts or changes shall be allowed by the TÜV NORD CERT GmbH

(13) **SCHEDULE**

(14) **EU-Type Examination Certificate No. TÜV 08 ATEX 554726 X issue 00**

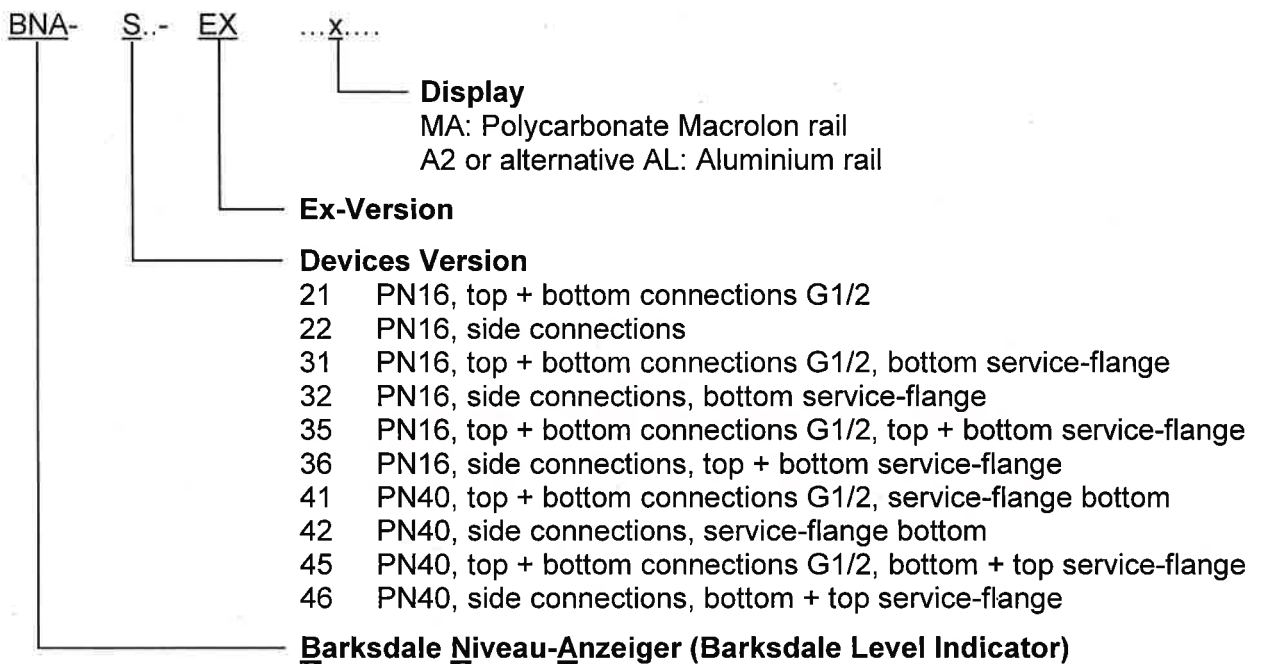
(15) Description of product

The Bypass Level Indicator type BNA-S../.. EX...x.... is used for indication of liquid levels in tanks and consists of a guide tube with float and an indication rail with freely moving indicator elements.

The above mentioned equipment is connected with the tank by side or top and bottom connections and can be designed with service-flanges.

A permanent magnet, mounted within the head of the float, actuates the indicator elements and indicates the consistent liquid level.

Type code



Technical data

Range of permitted process pressure in presence of potentially explosive atmosphere	0.8 to 1.1 bar absolute
Max. flow rate	1 m/s

Temperature class	Ambient temperature range = Medium temperature range
T6	-40°C ... +68 °C
T5	-40°C ... +80 °C
T4	-40°C ... +108 °C
T3	-40°C ... +160 °C
T2	-40°C ... +240 °C
T1	-40°C ... +320 °C

(16) Drawings and documents are listed in the ATEX Assessment Report No. 19 203 240045

**Schedule to EU-Type Examination Certificate No. TÜV 08 ATEX 554726 X issue 00**

**(17) Specific Conditions for Use**

1. Metallic process connection parts have to be included in the local potential equalization.
2. The Bypass Level Indicator type BNA-S../.. EX...MA.... has to be installed and used in such a way that electrostatic charging from operation, maintenance or cleaning is excluded.

**(18) Essential Health and Safety Requirements**  
No additional ones

- End of Certificate -