



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2022012315464846

Valid from: Nov.15,2023

Valid until: Apr.23,2027

NAME AND REGISTERED ADDRESS OF THE APPLICANT	Baumer (China) Co.Ltd. Building 11, Nr.1525 Minqiang Road,Songjiang Industry Park,Shanghai,P.R.China 201612
NAME AND REGISTERED ADDRESS OF THE MANUFACTURER	Baumer A/S Runetofte 19,DK-8210 Aarhus V
NAME AND LOCATION OF THE FACTORY	Baumer A/S Runetofte 19,DK-8210 Aarhus V
PRODUCT MODEL(S)	Material sensor Type of Product : LBFS-4□□□□□; Marking : Ex ia IIC T5...T4 Ga ; Ex ta IIIc T100°C Da ; IP Grade : IP67 ; The model definition , electrical parameters and related document numbers can be seen in the appendix.
STANDARDS AND TECHNICAL REQUIREMENTS	GB/T 3836.1-2021;GB/T 3836.31-2021;GB/T 3836.4-2021

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO. CNCA-C23-01:2019)

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

Date of original issued: Apr.24,2022

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



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1. General assembly drawing : 81081870.05

2. Working voltage: maximum 30V **Working current:** maximum 100mA

3. Degree of Protection : IP67

4. Operating ambient temperature :

$-40^{\circ}\text{C} \leq \text{Ta} \leq +74^{\circ}\text{C}$: T5, T100°C ; $-40^{\circ}\text{C} \leq \text{Ta} \leq +85^{\circ}\text{C}$: T4, T100°C

$-25^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$: T5, T4 (With 5m cable) .

5. Specific conditions of use :

5.1 If the product needs to be equipped with M12 plug, the protection grade of the plug and socket shall be at least IP67.

5.2 Cable length of more than 5 meters, with higher internal inductance and capacitance. These values must be taken into account during installation, based on Ci: 43nF+0.17nF/m Li: 10uH+0.27uF/m requirements.

5.3 The user manual must be observed when using this product.

5.4 After the thread of the product shell is connected with the metal mounting frame, the overall grounding shall be ensured.

6. Type Explanation :

LBFS-4xxxx.x

LBFS stands for level sensor

"4" means the conformity of explosion protection of CCC ia + ta

The 1st x represents electrical connection:

"1 " means M12-A, 4-pin, polycarbonate (with LED)

"2 " means Cable outlet 5 m, 4-wire, PVC

"3 " means M12-A, 4-pin, stainless steel (without LED)

The 2nd x represents Process connection:

"1 " =G1/2A ISO228-1

"2 " =G3/4A ISO228-1

"3 " =G1A ISO228-1

"4 " =G 1/2 A hygienic ISO228-1

"5 " =G 1/2 A ISO 228-1 for reverse assembly (in-shell thread)

"6 " =3/4-14 NPT

"7 " =M18x1

"A" =G 1/2 A DIN 3852 form E, NBR gasket

"B" =G 1/2 A DIN 3852 form E, FKM (Viton®) gasket



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"G" =G 1/2 A ISO 228-1 with cooling neck

"J" =G 1/2 A hygienic gasket, FKM (Viton®), with cooling neck

"K" =G 1/2 A hygienic, length 82 mm

"L" =G 1/2 A hygienic, sliding connection,length 250 mm

"N" =1/2-14 NPT

"M" =1/2-14 NPT with cooling neck

"E" =G 1/2 A DIN 3852 form E, FKM (Viton®) gasket,with cooling neck

"\$" =customized process connection

The 3rd x represents the housing material:

"1" means Stainless Steel 1.4301 - AISI 304

"2" means Stainless Steel 1.4404 - AISI 316L

The 4th x represents Output signal type: :

"1" =PNP

"2" =NPN

The 5th x represents configuration

"0" =Factory settings

"C" =Customer-specific

7. Intrinsic safety parameter :

Ui : 30V , Ii : 100mA , Pi : 750mW , Ci : 43nF , Li : 10uH/Ci : 43nF+0.17nF/m ,

Li : 10uH+0.27uF/m (With 5m cable)

8. The product structure shall be subjected to the drawings approved by the certification body.



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