



# 中国国家强制性产品认证证书



证书编号: 2020322307002101

认证委托人名称: 上海 ABB 工程有限公司  
认证委托人地址: 上海市浦东新区康新公路 4528 号  
生产者名称: ABB AG  
生产者地址: Schillerstraße 72, 32425 Minden, Germany  
生产企业名称: ABB AG  
企业地址: Schillerstraße 72, 32425 Minden, Germany  
产品名称: 数字阀门定位器 TZIDC  
系列、规格、型号: TZIDC V18345, TZIDC110 V18346, TZIDC120 V18347, TZIDC200 V18348,  
TZIDC210 V18349, TZIDC220V18350  
标准: GB 3836.1-2010、GB 3836.4-2010

认证模式: 型式试验+初始工厂检查+获证后监督

上述产品符合 CNCA-C23-01:2019 《强制性产品认证实施规则 防爆电气》的要求, 特发此证。  
产品相关信息详见附件。

发证日期: 2022 年 03 月 04 日

有效期至: 2025 年 09 月 25 日

首次发证日期: 2020 年 09 月 26 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 [www.cnca.gov.cn](http://www.cnca.gov.cn) 查询



批准:



## 上海仪器仪表自控系统检验测试所有限公司





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



CERTIFICATE NO: 2020322307002101

**APPLICANT:** ABB Engineering (Shanghai) Ltd  
**ADDRESS:** No.4528,Kangxin Highway,Pudong New District,Shanghai,201319  
**MANUFACTURER:** ABB AG  
**ADDRESS:** Schillerstraße 72, 32425 Minden, Germany  
**FACTORY:** ABB AG  
**ADDRESS:** Schillerstraße 72, 32425 Minden, Germany  
**PRODUCT:** Digital Positioner TZIDC  
**SERIES,SPECIFICATION,MODEL:** TZIDC V18345, TZIDC110 V18346, TZIDC120 V18347,  
TZIDC200 V18348, TZIDC210 V18349, TZIDC220V18350  
**STANDARDS:** GB 3836.1-2010、GB 3836.4-2010

**Type of Certification:** Type test + Initial inspection + Surveillance inspection

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).  
Refer to the attachment for detailed information.

**Valid from:** March 4, 2022

**Valid until:** September 25, 2025

**Date of original certification:** September 26, 2020

**The validity of this certificate is subject to positive result of the periodic surveillance by issuing certification body until the expiry date.**

This certificate is available through CNCA's website: [www.cnca.gov.cn](http://www.cnca.gov.cn)



APPROVAL:

Guo AiHua



**Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.**

<http://www.sitiias.com.cn>

Building 9, 103 Cao Bao Road, Shanghai 200233, China

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证书编号: 2020322307002101

## 附 件

产品名称: 数字阀门定位器TZIDC

型号规格: TZIDC V18345 \*\*/ \*/a/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/

-V18345 is the configuration number for the base standard (HART) model

a stands for Explosion Protection/Approvals which can be:

- 1 for ATEX II 2 G Ex ib IIC T4/T6 Gb
- 7 for ATEX II 2 G Ex ia IIC T4/T6 Gb
- 5 for IECEX ib IIC T4/T6 Gb;
- K for IECEX ia IIC T4/T6 Gb;
- U for NEPSI Ex ia IIC T4/T6 Gb;

b stands for Certifications which can be: 3CC

\*is not related to explosion-proof performance

TZIDC110 V18346 \*\*/ \*/a/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/

-V18346 is the configuration number for the base Profibus PA model

a stands for Explosion Protection/Approvals which can be:

- 1 for ATEX II 2 G Ex ia IIC T4/T6 Gb
- 5 for IECEX ia IIC T4/T6 Gb;
- U for NEPSI Ex ia IIC T4/T6 Gb;
- V for NEPSI Ex ib IIC T4/T6 Gb

b stands for Certifications which can be: 3CC

\* is not related to explosion-proof performance

批 准:



## 上海仪器仪表自控系统检验测试所有限公司





证书编号: 2020322307002101

## 附件

TZIDC120 V18347 \*\*/ \*/a/\*/\*/\*\*\*\*/\*\*/\*\*/\*/\*/\*\*\*\*/b/

**-V18347** is the configuration number for the base FOUNDATION Fieldbus model

*a* stands for Explosion Protection/Approvals which can be:

- 1 for ATEX II 2 G Ex ia IIC T4/T6 Gb  
**5** for IECEx ia IIC T4/T6 Gb;  
 U for NEPSI Ex ia IIC T4/T6 Gb;  
**V** for NEPSI Ex ib IIC T4/T6 Gb

***b*** stands for Certifications which can be: 3CC

\* is not related to explosion-proof performance

TZIDC200 V18348 \*\*/ \*/a/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/\*\*/b/

**-V18348** is the configuration number for the base standard (HART) model

**a** stands for Explosion Protection/Approvals which can be:

- 5** for IECEx ib IIC T4/T6 Gb;  
**7** for ATEX II 2 G Ex ia IIC T4/T6 Gb  
**K** for IECEx ia IIC T4/T6 Gb;  
**U** for NEPSI Ex ia IIC T4/T6 Gb;  
**V** for NEPSI Ex ib IIC T4/T6 Gb

**b** stands for Certifications which can be: **3CC**

\* is not related to explosion-proof performance

批准：

鄧麗華



上海仪器仪表自控系统检验测试所有限公司



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**SITIiAS**  
Worldwide Access

证书编号: 2020322307002101

## 附件

TZIDC210 *V18349* \*\*/ \*/a/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/\*\*\*/b/

**-V18349** is the configuration number for the base Profibus PA model

*a* stands for Explosion Protection/Approvals which can be:

3 for ATEX II 2 G Ex ia IIC T4/T6 Gb

**5** for IECEx ia IIC T4/T6 Gb:

U for NEPSI Ex ia IIC T4/T6 Gb:

V for NEPSI Ex ib IIC T4/T6 Gb

**b** stands for Certifications which can be: **3CC**

\* is not related to explosion-proof performance

TZIDC220 V18350 \*\*/ \*/a/\*\*/\*\*\*\*\*/\*\*/\*\*\*\*\*/\*\*\*\*\*/\*\*\*\*\*/\*\*\*\*\*/b/

**-V18350** is the configuration number for the base FOUNDATION Fieldbus model

**a** stands for Explosion Protection/Approvals which can be:

3 for ATEX II 2 G Ex ia IIC T4/T6 Gb

**5** for IECE<sub>x</sub> ia IIC T4/T6 Gb

U for NEPSI Ex ia IIC T4/T6 Gb:

V for NEPSI Ex ib IIC T4/T6 Gb

**b** stands for Certifications which can be: **3CC**

\* is not related to explosion-proof performance

**防爆标志:**

Ex ia II CT4/T6 Gb, Ex ib II CT4/T6 Gb

批准:

鄧夏平



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## 附 件

### 电气参数:

产品本安参数及内部最大等效参数如下:

TZIDC 型和 TZIDC - 200 型

| 端子代号                             | 最高输入电压<br>$U_i$ (V) | 最大输入电流<br>$I_i$ (mA) | 最大输入功率<br>$P_i$ (W) | 最大内部等效参数   |            |
|----------------------------------|---------------------|----------------------|---------------------|------------|------------|
|                                  |                     |                      |                     | $C_i$ (nF) | $L_i$ (mH) |
| 11 - 12<br>模拟信号<br>输入            | 30                  | 320                  | 1.1                 | 6.6        | 0          |
| 31 - 32<br>模拟反馈<br>信号            | 30                  | 320                  | 1.1                 | 6.6        | 0          |
| 51 - 52<br>85 - 86<br>安全切断       | 30                  | 320                  | 1.1                 | 3.7        | 0          |
| 41 - 42<br>51 - 52<br>数字反馈<br>信号 | 30                  | 320                  | 0.25                | 3.7        | 0          |
| 81 - 82<br>开关输入                  | 30                  | 320                  | 1.1                 | 4.2        | 0          |
| 83 - 84<br>开关输出                  | 30                  | 320                  | 0.5                 | 4.2        | 0          |

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## 附 件

TZIDC-110 / 120 / 210 / 220 型

| 端子代号                       | 最高输入电压<br>U <sub>i</sub> (V) | 最大输入电流<br>I <sub>i</sub> (mA) | 最大输入功率<br>P <sub>i</sub> (W) | 最大内部等效参数            |                     |
|----------------------------|------------------------------|-------------------------------|------------------------------|---------------------|---------------------|
|                            |                              |                               |                              | C <sub>i</sub> (nF) | L <sub>i</sub> (mH) |
| 11 - 12<br>{FISCO 现场设备}    | 24                           | 250                           | 1.2                          | /                   | /                   |
| 51 - 52<br>85 - 86<br>安全切断 | 30                           | 320                           | 1.1                          | 3.7                 | 0                   |

相关报告编号: 2020S17402-001488

使用条件: 1. 使用环境温度范围与温度组别关系如下:

| 温度组别            | T6 / T85       | T4 / T125      |
|-----------------|----------------|----------------|
| 最大使用环境温度范围 (°C) | - 40°C ~ +40°C | - 40°C ~ +85°C |

2. 产品使用“数字反馈信号”成套部件时, 最大使用环境温度范围与防爆标志中温度组别的对应关系如下所示:

| 温度组别            | T6 / T85       | T4 / T125      |
|-----------------|----------------|----------------|
| 最大使用环境温度范围 (°C) | - 40°C ~ +35°C | - 40°C ~ +85°C |

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