

# 防爆合格证

CQMTi24.0002X

生产者名称: BARTEC GmbH  
生产者地址: Max-Eyth-Str. 16,97980 Bad Mergentheim, Germany  
产品名称: 便携式扫描枪  
系列/型号/规格: B7-A2S4-1HP0 /-2HP1 /-1ER0 /-2ER1  
防爆标志: Ex ic op is IIC T4 Gc  
Ex ic op is III C T135°C Dc

上述产品经技术文件审查和样机检测,符合标准 GB/T 3836.1-2021、GB/T 3836.4-2021、GB/T 3836.22-2017 的要求。

## 备注:

1. 本产品检测项目编号: HT23-112;
2. 电气参数和本安参数详见附件;
3. Ex 设备特殊使用条件详见附件。

发证日期: 2024 年 02 月 18 日

有效期至: 2029 年 02 月 17 日

签发人: \_\_\_\_\_



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CHINA  
QUALITY MARK

注:本证书仅对与送检样品一致的产品有效

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# 附件

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## 一、型号说明:

Type no. **B7 - A 2 S . - . . . . / . . . .**  
Key no. **A B C D E F G H I J K L M**

Key no	Code for:	Variations: Description
A	Basic range	B7 Electronic device of category 3
B	Product range	A Signal channel
C	Category	2 Ex II category 3 / Div 2
D	Typ of device	S Scanner – BCS 36*8 <sup>ex</sup> series
E	Ex - certification	1 Class I Div 2 2 Class I, II, III Div 2 3 Zone 2 / 22 4 Zone 2 / Div 2
F	Connection	1 Corded – BCS 3608 <sup>ex</sup> -NI 2 Cordless – BCS 3678 <sup>ex</sup> -NI
G	Scanner	HP 2D High performance HD 2D High density (same hardware as “HP”) ER 2D Long Range (same hardware as “HP”) DP 2D DPM (same hardware as “HP”)
H	Battery pack	0 None 1 With Battery (BT)
I/J/K/L/M	00=Release / Customer variation	Number or letter for characteristics without influence on the explosion protection

## 二、电气参数:

BCS 3678 <sup>ex</sup> -NI (cordless) B7-A2S4-2HP1 /-2ER1	
Battery operated:	3.6 VDC; 3275 mAh, Type: B7-A2Z0-0036
Battery operated:	3.6 VDC; 3500 mAh, Type: B7-A2Z0-0058
Range of temperature:	-20°C to +50°C

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# 附件

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BCS 3608 <sup>ex</sup> -NI (corded) B7-A2S4-1HP0 /-1ER0	
External power supply:	5 V DC (max. 5.5 VDC)
External power supply:	12 V DC (max. 12.6 VDC)
Range of temperature:	-20 °C to +50 °C

### 三、本安参数:

B7-A2S4-1HP0/-1ER0:  $U_i=5V$   $I_i=1A$   $C_i=0.3\mu F$   $L_i=0.1\mu H$

### 四、设备的特殊使用条件:

1. 严禁在危险场所更换电池或充电;
2. 严禁在带电情况下在危险场所连接和断开电源端的电缆。确保金属安全锁扣已闭合并拧紧;
3. 根据 GB/T 3836.1-2021, 已采用低冲击能量对本设备进行冲击试验;
4. 应确保设备免受永久紫外线、高静电产生等高能量冲击;
5. 应配合通用电源模块 B7-A2Z0-0042 /-0043 进行使用;

	B7-A2Z0-0042	B7-A2Z0-0043
输入	AC 100 - 240 V, 50/60 Hz, 0.1 A / 6 W	AC 100 - 240 V, 50/60 Hz, 0.01 A / 1 W
	DC 24 V / 0.2 A	DC 24 V / 0.05 A
输出	5 V / 0.5 A	/

6. 应遵守《快速入门指南》;
7. 使用环境温度: (-20~+50) °C;
8. 防护等级: IP64

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# Certificate of Conformity

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**Manufacturer:** BARTEC GmbH  
**Address:** Max-Eyth-Str. 16,97980 Bad Mergentheim, Germany  
**Equipment:** Hand-held scanner  
**Type /Model:** B7-A2S4-1HP0 /-2HP1 /-1ER0 /-2ER1  
**Ex-Marking:** Ex ic op is II C T4 Gc  
Ex ic op is III C T135°C Dc

The samples have been verified in accordance with following standards by document inspection and testing: GB/T 3836.1-2021GB/T 3836.4-2021、GB/T 3836.22-2017.

## Remarks:

1. Project number: HT23-112.
2. Refer to the annex for electrical parameters.
3. Refer to the annex for the special conditions of safe use.

Date of issue: 2024-02-18

Date of expiry: 2029-02-17

签发人: \_\_\_\_\_



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# Annex

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## 1. Type Code:

Type no. **B7 - A 2 S . - . . . / . . .**  
Key no. **A | B C D E | F G H I | J K L M**

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## 2. Electrical Parameter:

BCS 3678 <sup>ex</sup> -NI (cordless) B7-A2S4-2HP1 I-2ER1	
Battery operated:	3.6 VDC; 3275 mAh, Type: B7-A2Z0-0036
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BCS 3608 <sup>ex</sup> -NI (corded) B7-A2S4-1HP0 /-1ER0	
External power supply:	5 V DC (max. 5.5 VDC)
External power supply:	12 V DC (max. 12.6 VDC)
Range of temperature:	-20 °C to +50 °C

### 3. Intrinsically Safe:

B7-A2S4-1HP0/-1ER0:  $U_i=5V$   $I_i=1A$   $C_i=0.3\mu F$   $L_i=0.1\mu H$

### 4. Specific Conditions Of Safe Use:

- 4.1 Batteries shall only be changed or charged in an area known to be non-hazardous.
- 4.2 Do not connect or disconnect the connecting cable unless power has been switched off or the area is known to be non-hazardous. Ensure that the safety lock metal plate is closed and screwed.
- 4.3 The impact test according to GB/T 3836.1-2021 was done with low impact energy.
- 4.4 The device must be protected from impacts with high impact energy, against permanent UV light and high electrostatic charge generating processes.
- 4.5 It should be used with the universal power modules B7-A2Z0-0042 /-0043

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	B7-A2Z0-0042	B7-A2Z0-0043
Inputs:	AC 100 - 240 V,50/60 Hz, 0.1 A / 6 W	AC 100 - 240 V,50/60 Hz, 0.01 A / 1 W
	DC 24 V / 0.2 A	DC 24 V / 0.05 A
Output:	5 V / 0.5 A	/

4.6 The Quick-Start-Guide shall be observed.

4.7 Ambient temperature range:-20°C to +50°C.

4.8 Degree of protection of enclosure:IP64.

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