



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX UL 24.0004X** Page 1 of 4 [Certificate history:](#)
Issue No: 1 [Issue 0 \(2024-08-26\)](#)

Status: **Current**

Date of Issue: 2025-03-24

Applicant: **BARTEC GmbH**
Max Eyth Straße 16
97980 Bad Mergentheim
Germany

Equipment: **Smartphone / Smartscanner, Type 17-S19*-****/*****.**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia", Optical Radiation "op is"**

Marking: Type 17-S19P-****/***** without optional scanner:
Ex ia IIC T4 Ga / Ex ia IIIC T135°C Db
Type 17-S19C-****/***** with optional scanner:
Ex ia op is IIC T4 Ga / Ex ia op is IIIC T135°C Db
-20°C to +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

2025-03-24

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





IECEX Certificate of Conformity

Certificate No.: **IECEX UL 24.0004X**

Page 2 of 4

Date of issue: 2025-03-24

Issue No: 1

Manufacturer: **BARTEC GmbH**
Max Eyth Straße 16
97980 Bad Mergentheim
Germany

Manufacturing
locations: **BARTEC GmbH**
Max Eyth Straße 16
97980 Bad Mergentheim
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-28:2015](#) Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/UL/ExTR24.0005/00](#)

[US/UL/ExTR24.0005/01](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/15](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX UL 24.0004X**

Page 3 of 4

Date of issue: 2025-03-24

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment covered by this report is a handheld smart phone with optional scanner that permits mobile recording, processing, and/or radio transmission of data within a potentially explosive atmosphere. Power is supplied by a rechargeable battery pack, Type 17-S1Z0-0020/****, that may be replaced in a non-hazardous location. Also provided for use in non-hazardous locations are a DC-in port and USB-C connector for charging and data transfer. To facilitate operation, the USB-C connector must be used with the BARTEC Type G7-A0Z0-0010 cable, which is provided as an accessory.

When the optional scanner is not installed, the equipment is marked with "ia" type of protection only. When the optional scanner is installed, the equipment is marked with "ia" and "op is" types of protection.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The device must be protected against impacts with high impact energy.
- The device must be protected against processes that generate a strong electrostatic charge.



IECEX Certificate of Conformity

Certificate No.: **IECEX UL 24.0004X**

Page 4 of 4

Date of issue: 2025-03-24

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Increased the maximum ambient temperature to +55°C. Made minor documentation updates.

Annex:

[Annex to IECEx UL 24.0004X Issue 1.pdf](#)



IECEx Certificate of Conformity

Annex to Certificate No.:

IECEx UL 24.0004X

Issue No.: 1

Page 1 of 2

TYPE DESIGNATION

Smartphone / Smartscanner, Type 17-S19*-****/***** :

Type 17	-	S	1	9	*	-	*	*	*	*	/	*	*	*	*	*	*	*
A		B	C	D	E		F	G	H	I		J	K	L				M

Key	Code number for	Options	Description
A	Basic range	17	Electronic devices
B	Product range	S	Mobile/Smartphone
C	Category	1	Category 1/2 / Division 1
D	Series	9	Bartec SP9EX1 Smartphone / SC9EX1 Smartscanner
E	Type	P	SP9EX1 Smartphone, "Ex ia"
		C	SC9EX1 Smartscanner, "Ex ia op is"
F	Certification	2	Zone 0/21
		3	Class I, II, III, Division 1 and Zone 0/21
G	Operating system	0-9 or A-Z	Not Ex relevant
H	Processor	1	Qualcomm Snapdragon 6490 (Octacore 2.7GHz)
I	Memory	0-9 or A-Z	Not Ex relevant
J	Scanner	0	None
		1	SE55
K	Camera	0	None
		1	48 Megapixel back, 8 Megapixel front
L	Battery	1	3.68V / 4300mAh
M	Other options	0-9 or A-Z	Not Ex relevant

Battery pack, Type 17-S1Z0-0020/****, where **** is any combination of numbers or letters, not Ex relevant.

PARAMETERS RELATING TO THE SAFETY

For use only with the BARTEC Type 17-S1Z0-0020/**** battery pack, rated 3.68 Vdc, 4300mAh

Intrinsically safe specifications:

U_m = 20 Vdc for the USB-C connector, for use with the BARTEC Type G7-A0Z0-0010 cable

U_m = 12 V for the DC-in connection

MARKING

Marking has to be readable and indelible; it has to include the following indications:

<p>BARTEC SP9^{EX1} Model: SP9^{EX1} Type: 17-S19*-****/*****</p> <p>BARTEC GmbH Max-Eyth-Strasse 16 97980 Bad Mergentheim, Germany www.bartec.com</p> <p>UL 24 ATEX 3153X II 1G Ex ia IIC T4 Ga II 2D Ex ia IIC T135°C Db IP64 IECEx UL 24.0004X</p> <p>Class I, Div 1, Groups A, B, C and D; Class II, Div 1, Groups E, F and G; Class III, T4 Zone 0, AEx ia IIC T4 Ga Zone 21, AEx ia IIC T135°C Db Ex ia IIC T4 Ga Ex ia IIC T135°C Db -20° < Ta < +55°C</p> <p>USB port: USB-PD compatible – 5-20 Vdc / max 3 A DC-In port: 12 Vdc / max 1.5 A USB Um = 20 V / DCin Um = 12 V</p> <p>WARNING/ATTENTION: Use only replaceable battery pack BARTEC GmbH type: 17-S1Z0-0020/**** Utiliser uniquement la batterie BARTEC GmbH type: 17-S1Z0-0020/**** INTRINSICALLY SAFE/SECURITÉ INTRINSEQUE Warning - Substitution of components may impair intrinsic safety. Avertissement - La substitution des composants peut nuire à la sécurité intrinsèque.</p>	<p>BARTEC SC9^{EX1} Model: SC9^{EX1} Type: 17-S19C-****/*****</p> <p>BARTEC GmbH Max-Eyth-Strasse 16 97980 Bad Mergentheim, Germany www.bartec.com</p> <p>UL 24 ATEX 3153X II 1G Ex ia op is IIC T4 Ga II 2D Ex ia op is IIC T135°C Db IP64 IECEx UL 24.0004X</p> <p>Class I, Div 1, Groups A, B, C and D; Class II, Div 1, Groups E, F and G; Class III, T4 Zone 0, AEx ia op is IIC T4 Ga Zone 21, AEx ia op is IIC T135°C Db Ex ia op is IIC T4 Ga Ex ia op is IIC T135°C Db -20° < Ta < +55°C</p> <p>USB port: USB-PD compatible – 5-20 Vdc / max 3 A DC-In port: 12 Vdc / max 1.5 A USB Um = 20 V / DCin Um = 12 V</p> <p>WARNING/ATTENTION: Use only replaceable battery pack BARTEC GmbH type: 17-S1Z0-0020/**** Utiliser uniquement la batterie BARTEC GmbH type: 17-S1Z0-0020/**** INTRINSICALLY SAFE/SECURITÉ INTRINSEQUE Warning - Substitution of components may impair intrinsic safety. Avertissement - La substitution des composants peut nuire à la sécurité intrinsèque.</p>
---	---

BARTEC BA9^{EX1}
 Rechargeable Li-ion
 Type: 17-S1Z0-0020
 Mfr: BARTEC GmbH
 Max-Eyth-Strasse 16
 97980 Bad Mergentheim, Germany
 www.bartec.com

Battery info 3.68 V, 4300 mAh, 15.8 Wh
 Limited Charge Voltage (4.2 V)

CAUTION:
 Do not disassemble, short circuit
 or dispose of in fire!
 Dispose of used batteries properly!

WARNING/ATTENTION:
 Use only in BARTEC SP9^{EX1} Smartphone
 or BARTEC SC9^{EX1} Smartscanner
 Type 17-S19*-****/*****
 Utiliser uniquement en BARTEC SP9^{EX1} Smartphone
 ou BARTEC SC9^{EX1} Smartscanner
 Type 17-S19*-****/*****

BARTEC

WARNING/ATTENTION
 Explosion hazard - Do not replace or charge battery pack
 or use USB port in hazardous locations!
 Read Quick Start Guide 11 -S190-7E0001 before use!
 Risque d'explosion - Ne pas remplacer ou charger la batterie
 ou utiliser le port USB a l'intérieur d'une zone explosive
 Lire attentivement le manuel rapide 11-S190-7E0001 avant toute utilisation!