



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 EPS 18.0009X** Page 1 of 4 Certificate history:
Issue 0 (2019-09-23)

Status: **Current** Issue No: 1

Date of Issue: 2020-02-17

Applicant: **BARTEC GmbH**
Max-Eyth-Str. 16
97980 Bad Mergentheim
Germany

Equipment: **Universal / HMI Supply Module Type 17-A1Z0-0018 /-0019 /-0025 /-0028**

Optional accessory:

Type of Protection: **e, i, m, t**

Marking: Universal Supply Module Type 17-A1Z0-0018 /-0019:
Ex eb ma [ja Ga] IIC T4 Gb
Ex tb [ja Da] IIIC T80°C Db

Ex eb ma IIC T4 Gb
Ex tb IIIC T80°C Db

HMI Supply Module Type 17-A1Z0-0025 /-0028:
Ex eb ib ma [ja Ga] IIC T4 Gb
Ex tb ib [ja Da] IIIC T80°C Db

Ex eb ib ma IIC T4 Gb
Ex tb ib IIIC T80°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

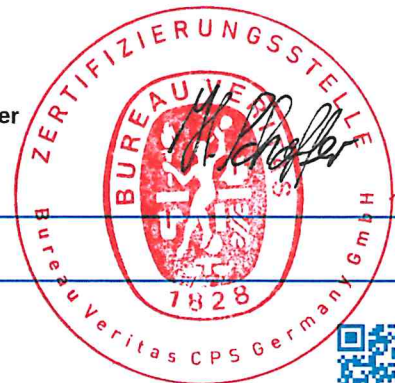
Position:

Certification Manager

Signature:
(for printed version)

Date:

2020-02-17



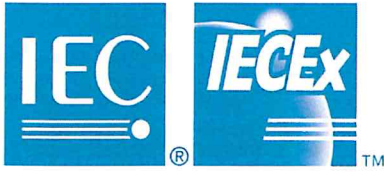
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Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **BARTEC GmbH**
Max-Eyth-Str. 16
97980 Bad Mergentheim
Germany

Additional
manufacturing
locations:

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 60079-18:2017 Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Report:

[DE/EPS/ExTR18.0003/01](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Universal / HMI Supply Modules are used for the intrinsically safe supply (barrier) of the ultra-robust BCS3600^{ex}-IS series hand-held scanners.

Electrical data:

	Type : 17-A1Z0-0018 /-0025	Type : 17-A1Z0-0019 /-0028
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	8 V / 0.5 A	---

Intrinsically safe supply values for 17-A1Z0-0025 /-0028:

U_i = 6 V
I_i = 500 mA
P_i = 2 W
C_i = 5.7 μF
L_i = 0 μH

Ex-i-Interface 17-A1Z0-0018 /-0025 for Scanner :

U_o = 9.9 V
I_o = 0.85 A
P_o = 8.4 W
C_o = 0.35 μF
L_o = 2 μH

The maximum permissible ambient temperature range is:

-20 °C ≤ T_a ≤ +50 °C

SPECIFIC CONDITIONS OF USE: YES as shown below:

Do not connect or disconnect the connecting cable on the supply side unless power has been switched off or the area is known to be non-hazardous.

The equipment shall be permanently installed.

The equipment shall only be cleaned with a damp cloth.

The Quick-Start-Guide shall be observed strictly.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Dust marking added.