(1) # EU - Type Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) EU - Type Examination Certificate Number

EPS 18 ATEX 1 013 X **Revision 1**

(4) Equipment: Universal / HMI Supply Module Type 17-A1Z0-0018 /-0019 /-0025 /-0028

(5) Manufacturer: BARTEC GmbH

(6) Address: Max-Eyth-Str. 16, 97980 Bad Mergentheim, Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 16TH0367.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018 **EN IEC 60079-7:2015/A1:2018** **EN 60079-11:2012**

EN 60079-18:2015/A1:2017 **EN 60079-31:2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

Universal Supply-Module		**Type: 17-A1Z0-0018**	**Type: 17-A1Z0-0019**
	Ex	II 2(1)G Ex eb ma [ia Ga] IIC T4 Gb	II 2G Ex eb ma IIC T4 Gb
		II 2(1)D Ex tb [ia Da] IIIC T80°C Db	II 2D Ex tb IIIC T80°C Db
HMI Supply-Module		**Type: 17-A1Z0-0025**	**Type: 17-A1Z0-0028**
	Ex	II 2(1)G Ex eb ib ma [ia Ga] IIC T4 Gb	II 2G Ex eb ib ma IIC T4 Gb
		II 2(1)D Ex tb ib [ia Da] IIIC T80°C Db	II 2D Ex tb ib IIIC T80°C Db

Certification department of explosion protection

H. Schaffer

Hamburg, 2020-02-17

BUREAU VERITAS
Consumer Products Services Germany GmbH
Oehleckerring 40, 22419 Hamburg, Germany
Phone: +49 40 74041-0
cps-hamburg@de.bureauveritas.com
www.bureauveritas.de/cps

(13) # Annex

(14) **EU - Type Examination Certificate EPS 18 ATEX 1 013 X** **Revision 1**

(15) Description of equipment:

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:

Ui = 6 V
Ii = 500 mA
Pi = 2 W
Ci = 5.7 µF
Li = 0 µH

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

Uo = 9.9 V
Io = 0.85 A
Po = 8.4 W
Co = 0.35 µF
Lo = 2 µH

The maximum permissible ambient temperature range is:

-20 °C ≤ Ta ≤ +50 °C

(16) Reference number: 16TH0367

(17) Special conditions for safe use:

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.

(18) Essential health and safety requirements:

Met by compliance with standards.

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