Translation

1 # Type Examination Certificate

2 Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU

3 Type Examination Certificate Number: **BVS 17 ATEX E 119 X**

4 Product: **Panel PC type CPX27**-**** or Panel type CPX29**-****

5 Manufacturer: **Beckhoff Automation GmbH & Co.KG**

6 Address: **Hülshorstweg 20, 33415 Verl, Germany**

7 This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

8 DEKRA EXAM GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential Report No. BVS PP 18.2027 EU.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013	**General requirements**
EN 60079-7:2015	**Increased Safety "e"**
EN 60079-31:2014	**Protection by Enclosure "t"**

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

11 This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T135°C Dc

DEKRA EXAM GmbH
Bochum, 2018-02-21

Signed: Jörg Koch
Certifier

Signed: Dr Franz Eickhoff
Approver

DEKRA EXAM GmbH, Dinnendahlstrasse 9, 44809 Bochum, Germany,
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DAkkS Deutsche Akkreditierungsstelle D-ZE-12069-03-00

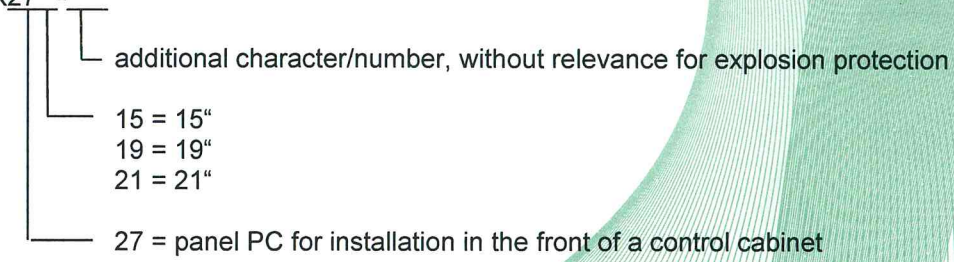
13 **Appendix**

14 **Type Examination Certificate**
BVS 17 ATEX E 119 X

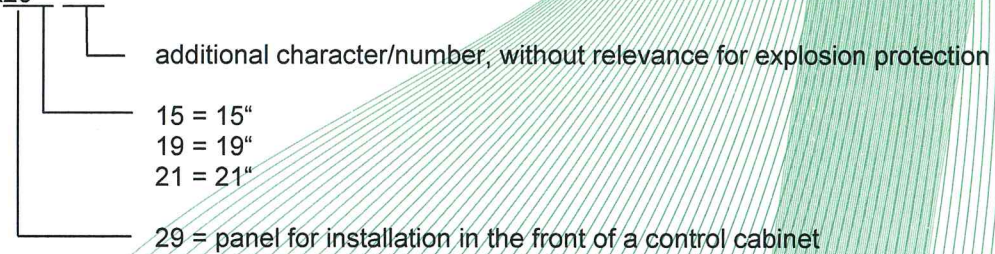
15 **Product description**

15.1 **Subject and type**

Panel PC type CPX27**-****



Panel type CPX29**-****



15.2 **Description**

The built-in Panel PC type CPX27**-**** as well as the Panel type CPX29**-**** are developed for the use in hazardous areas, Zone 2/22.
They are designed for installation in the front of a control cabinet.
All connections to the panel are realized by plugs and sockets installed within this cabinet.

15.3 **Parameters**

15.3.1 Electrical data

supply	DC	24	V
max. power consumption			
type CPX2715-****		25	W
type CPX2719-****		32	W
type CPX2721-****		40	W
type CPX2915-****		20	W
type CPX2919-****		25	W
type CPX2921-****		35	W

15.3.2 Thermal data

permitted ambient temperature range	0 °C up to +55 °C
temperature class	T4
maximum surface temperature T	135 °C

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16 **Report Number**

BVS PP 18.2027 EU, as of 2018-02-21

17 **Special Conditions for Use**

17.1 The panel shall be built in the wall of a control cabinet fulfilling all relevant clauses of IEC 60079-0, IEC 60079-7 and IEC 60079-31.
The panel itself fulfills all mechanical requirements according to IEC 60079-0 and the degrees of protection IP54 resp. IP6X according to IEC 60529 if mounted according to the user´s manual.

17.2 The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60991-1.

17.3 Transient protection shall be provided that is set at a level not exceeding 119 V.

17.4 The panel shall not be exposed to direct sunlight.

17.5 The panel shall only be mounted vertically in landscape format.

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
Bochum, dated 2018-02-21
BVS-Hk/Nu A 20161088

Certifier

Approver

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