



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx BVS 17.0102X issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2018-02-22** Page 1 of 4

Applicant: **Beckhoff Automation GmbH & Co.KG**
Hülshorstweg 20
33415 Verl
Germany

Equipment: **Panel PC type CPX27**_**** or Panel type CPX29**_******
Optional accessory:

Type of Protection: **Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"**

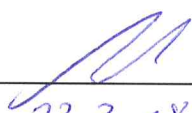
Marking: **Ex ec IIC T4 Gc**
Ex tc IIIC T135°C Dc

Approved for issue on behalf of the IECEx Certification Body: Jörg Koch

Position: Head of Certification Body

Signature:
(for printed version)

Date:


22.2.18

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



IECEX Certificate of Conformity

Certificate No.: IECEx BVS 17.0102X

Date of Issue: 2018-02-22

Issue No.: 0

Page 2 of 4

Manufacturer: **Beckhoff Automation GmbH & Co.KG**
Hülshorstweg 20
33415 Verl
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/BVS/ExTR18.0014/00](#)

Quality Assessment Report:

[DE/BVS/QAR16.0010/01](#)



IECEX Certificate of Conformity

Certificate No.: IECEx BVS 17.0102X

Date of Issue: 2018-02-22

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description:

The built-in Panel PC type CPX27**-**** as well as the Panel type CPX29**-**** are developed for the use in hazardous areas requiring EPL Gc and Dc.

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.

Subject and type:

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.
2. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60991-1.
3. Transient protection shall be provided that is set at a level not exceeding 119 V.
4. The panel shall not be exposed to direct sunlight.
5. The panel shall only be mounted vertically in landscape format.



IECEx Certificate of Conformity

Certificate No.: IECEx BVS 17.0102X

Date of Issue: 2018-02-22

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

Parameters:

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

Thermal data

Permitted ambient temperature range 0 up to +55 °C

Temperature class T4

Maximum surface temperature T 135 °C



IECEx Certificate of Conformity



Certificate No.: IECEx BVS 17.0102X

Annex

Page 1 of 1

Subject and type:

Panel PC type CPX27**_****

Additional character / number, without relevance
for explosion protection

15 = 15"

19 = 19"

21 = 21"

27 = panel PC for installation in the front of a control cabinet

Panel type CPX29**_****

Additional character / number, without relevance
for explosion protection

15 = 15"

19 = 19"

21 = 21"

29 = panel for installation in the front of a control cabinet