



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 15.0037X Issue No: 2 Certificate history:
Status: **Current** Issue No. 2 (2019-08-07)
Date of Issue: **2019-08-07** Issue No. 1 (2018-09-04)
Page 1 of 4 Issue No. 0 (2015-04-27)

Applicant: **Gönnheimer Elektronik GmbH**
Dr.-Julius-Leber-Str. 2
67433 Neustadt an der Weinstraße
Germany

Equipment: **Pressurization system type FS830 / FS840**
Optional accessory:

Type of Protection: **Intrinsic Safety "i", Type of Protection "n", Pressurized Enclosure "p", Protection by Enclosure "t", Increased Safety "e"**

Marking: See Annex

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

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 Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



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Manufacturer: **Gönheimer Elektronik GmbH**
Dr.-Julius-Leber-Str. 2
67433 Neustadt an der Weinstraße
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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 : 2017 Edition:5.0	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-2 : 2014-07 Edition:6	Explosive atmospheres - Part 2: Equipment protection by pressurized enclosure "p"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	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/ExTR15.0034/02](#)

Quality Assessment Report:

[DE/TUN/QAR10.0006/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

The pressurization systems type FS840.*.* and FS830.*.* are used for construction of electrical apparatus type of protection Pressurized Enclosure in acc. with IEC 60079-2 resp. IEC 60079-31. The control unit of the FS840.*.* is erected with a housing and an exhaust valve. For panel-mounting the housing of the FS830.x.x is open at the rear side.

Type designation:

See Annex

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The pressurized enclosure with determination of the pneumatic parameters has to be tested and certified separately.
- The activation of the bypass must be prevented in occurrence of explosive atmosphere.
- All pipes and wires have to be installed fix.
- The purge valve must be suitable for EPL Gc and Dc. An appropriate fuse can be connected in the control unit FS840.*.* or FS830.*.*.
- FS830.*.*: Protection of IP54 for applications II 3G and IP6X for Group IIIC, IP5X for Group IIIB for applications II 3D essential



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The model type with polyester housing was added. The type key was extended. The device was tested in accordance to the standards listed on page 1. The marking was modified in accordance to the standards.

Annex:

[BVS_15_0037x_Gönnheimer_Annex_issue2.pdf](#)