



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 CCVE 16.0001U Issue No: 0 Certificate history:
Issue No. 0 (2016-01-14)

Status: **Current** Page 1 of 4

Date of Issue: **2016-01-14**

Applicant: **Electrotechnical company EIP**
11A, Karla Marksa Str., Aleksin, Tula region, 301363, Russia
Russian Federation

Equipment: **Fluoroplastic bushing insulator IPF-25**
Optional accessory:

Type of Protection: **Flameproof enclosure d**

Marking: Ex d IIB Gb

*Approved for issue on behalf of the IECEx
Certification Body:*

Alexander Zalogin

Position:

Head of NANIO "CCVE"

*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:

NANIO "CCVE"
109377, Moscow, P.O.Box 22,
Russian Federation





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Date of Issue: 2016-01-14 Page 2 of 4
Manufacturer: **Electrotechnical company EIP**
11A, Karla Marksa Str., Aleksin, Tula region, 301363, Russia
Russian Federation

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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*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:

[RU/CCVE/ExTR16.0001/00](#)

Quality Assessment Report:

[RU/CCVE/QAR16.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Fluoroplastic bushing insulator IPF-25 consists of a fluoroplastic housing, a conductor and a protective casing with a threaded sleeve. The tightness of the conductor to the housing is achieved by means of four O-rings.

The rotation of the conductor in the body of the insulator when connecting current conductors to it is prevented by using of two fixing screws screwed into the shank of the insulator.

A brass wire tip provides a reliable connection to the high-voltage cable connecting terminal.

The cable installed in the insulator slot through the O-ring is attached and sealed with a cap nut screwed onto the threaded sleeve of the protective casing.

The explosion protection of fluoroplastic bushing insulator IPF-25 is provided by the use of the type of protection "flameproof enclosure 'd'" in accordance with IEC 60079-1 and the design in accordance with the requirements of IEC 60079-0.

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT (continued):

The basic data of IPF-25:

Ex-marking Ex d IIB Gb
Ambient temperature range during operation, ° C from - 60 to + 40
The ingress protection IP 67
Relative humidity at 25 ° C, up to 98%
Supply voltage AC, kV 25
Rated current, A 10

High voltage is supplied via the contact connection of the high-voltage power supply output by means of a high-voltage connection cable to the contact connection of fluoroplastic insulator and then through the insulator conductor and a current conductor connected to it to the potential electrode located within the process plant.

Schedule of Limitations:

Fluoroplastic bushing insulator IPF-25 is intended for use together with high-voltage cable IP 01.80.00.000 and high-voltage power supply IPM produced by Electrotechnical company EIP, Ltd.