



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 FTZU 09.0029U	Issue No: 1	<u>Certificate history:</u>
Status:	Current	Page 1 of 4	Issue No. 1 (2014-09-19) Issue No. 0 (2009-10-26)
Date of Issue:	2014-09-19		
Applicant:	ELSTA ELEKTRONIKA Sp. z o.o. S.K.A. ul. Janińska 32, 32-020 Wieliczka Poland		
Electrical Apparatus:	Antenna bushing PA-2000		
Optional accessory:			
Type of Protection:	Flameproof enclosure		
Marking:	Ex d I Mb		

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of the Certification Body

Signature:
(for printed version)

Date:

2014-09-19



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:

Fyzikálně technický zkusební ústav
(Physical -Technical Testing Institute)
Pikartská 7
71607 Ostrava - Radvanice
Czech Republic





IECEX Certificate of Conformity

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Manufacturer: ELSTA ELEKTRONIKA Sp. z o.o. S.K.A.
ul. Janińska 32,
32-020 Wieliczka
Poland

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 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

*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:

CZ/FTZU/ExTR09.0029/00 CZ/FTZU/ExTR09.0029/01

Quality Assessment Report:

PL/KDB/QAR14.0001/00





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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

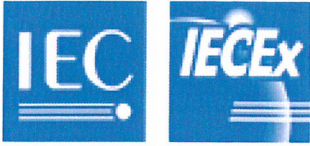
The antenna bushing PA-2000 is designed as a stainless steel body where inside is moulded a coaxial cable RG-316. This assembly is used for connection of a signal from a flameproof enclosure to the antenna installed outside. The antenna assembly is fixed in the wall of the flameproof enclosure by thread M33 x 2, g6.

Schedule of limitation:

- Rated service temperature range : $0^{\circ}\text{C} \leq T_s \leq 60^{\circ}\text{C}$
- Max. power supplied to the antenna circuit for type PA-2000/ANT: 3W

CONDITIONS OF CERTIFICATION: NO





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

Changes of the component for Issue 1:

The material from which the PA-2000 is made, steel St6 was replaced by steel 40HM.

Adding two new types of casting compound used to encapsulate integrated connector, flameproof connector L2.

Adding new version of PA-2000/* with integrated antenna. New version has been marked PA-2000/ANT.

The parameters remain unchanged.

The Antenna bushing type PA-2000/* is verified according to new standard IEC 60079-0:2011, 6th Edition.

The ownership rights were transferred from ELSTA Sp. z o.o. to ELSTA ELEKTRONIKA

Sp. z o.o. S.K.A. Therefore, the official manufacturer of the said equipment is ELSTA ELEKTRONIKA Sp. z o.o. S.K.A.

