



(1) **Supplementary EU - Type Examination Certificate No.5**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 14 ATEX 0155X

(4) Product: **Isolating Spark Gap, type ISG(.)-(...) H Ex**

(5) Manufacturer: **SALTEK s.r.o.**

(6) Address: **Drážďanská 85, 400 07 Ústí nad Labem, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 14 ATEX 0155X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-18:2015+A1:2017

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) The marking of the product shall include the following:

 **II 2G Ex mb IIC T6 Gb**

 **II 2D Ex mb IIIC T80°C Db**

(12) This certificate is valid till: **31.08.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 14 ATEX 0155X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards.
- Extension of certificate validity.

The product has been evaluated according to newest standards mentioned in clause (10). The validity of the certificate has been extended for next five years.

A list of all valid types and their technical specifications is given in Annex 1.

(16) Report Number: 14/0155/5

(17) Specific Conditions of Use:

1. Ambient temperature range: $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Revision	Sheets	Date	Description
A04131.NX	rev.A002	1	10.10.2022	ISG-50H Ex
A04132.NX	rev.A002	1	10.10.2022	ISG-100H Ex
A04109.NX	rev.A002	1	10.10.2022	ISG-500H Ex
A04128.NX	rev.A002	1	10.10.2022	ISGC-50H Ex
A04129.NX	rev.A002	1	10.10.2022	ISGC-100H Ex
A04120.NX	rev.A002	1	10.10.2022	ISGC-500H Ex
A06142.NX	rev.A002	1	10.10.2022	ISGO-50H Ex
A06143.NX	rev.A002	1	10.10.2022	ISGO-100H Ex
A05514.NX	rev.A002	1	10.10.2022	ISGO-500H Ex
C14683	rev.03	2	09.01.2023	User's manual
A04109	rev.A013	1	05.01.2024	Label
DS06/TNA/0004	rev.8	2	26.10.2021	Potting the prescription

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute
Ostrava - Radvanice

Annex No. 1

to Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 14 ATEX 0155X

TECHNICAL SPECIFICATION:

Isolating spark gap with two bolts M8		ISG-50 Ex	ISG-100 Ex	ISG-500 Ex
Spark voltage DC	$U_{W DC}$ [V]	50	100	500
Spark Voltage AC (50Hz)	$U_{W AC}$ [V]	35	70	350
Impulse spark – over voltage	$U_{r imp}$ [kV]	< 0.900	< 0.950	< 1.5
Lightning impulse current (10/350 μ s)	I_{imp} [kA]	100	100	100
Insulation resistance		> $10^8 \Omega$		
Degree of protection		IP 67		

Isolating spark gap with cable		ISGC-50 Ex	ISGC-100 Ex	ISGC-500 Ex
Spark voltage DC	$U_{W DC}$ [V]	50	100	500
Spark Voltage AC (50Hz)	$U_{W AC}$ [V]	35	70	350
Impulse spark – over voltage	$U_{r imp}$ [kV]	< 0.900	< 0.950	< 1.5
Lightning impulse current (10/350 μ s)	I_{imp} [kA]	100	100	100
Insulation resistance		> $10^8 \Omega$		
Degree of protection		IP 67		

Isolating spark gap with bolt M8 and cable		ISGO-50H Ex	ISGO-100H Ex	ISGO-500 Ex
Spark voltage DC	$U_{W DC}$ [V]	50	100	500
Spark Voltage AC (50Hz)	$U_{W AC}$ [V]	35	70	350
Impulse spark – over voltage	$U_{r imp}$ [kV]	< 0.900	< 0.950	< 1.5
Lightning impulse current (10/350 μ s)	I_{imp} [kA]	100	100	100
Insulation resistance		> $10^8 \Omega$		
Degree of protection		IP 67		

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Head of Certification Body



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