



Supplement No. 1 to EC-Type Examination Certificate

Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

FTZÚ 07 ATEX 0068

(4) Equipment or protective system: **Intrinsically safe device boxes type X.SA0/JB, X.SA1/JB, X.SA2/JB**

(5) Manufacturer: **GENERI, s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**


(7) This supplement of certificate is valid for: - modification of apparatus marking

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.


(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:
60079-0 ed.2:2006; EN 60079-11:2007; EN 61241-0:2006; EN 61241-1:2005; EN 50303:2000

(11) Marking of equipment shall contain symbols:

 **II 2GD Ex ia tD IIC T6 T85°C** **-60°C ≤ Ta ≤ +80°C**

only X.SA1/JB, X.SA2/JB:

 **I M1 / II 2GD Ex ia tD I/IIC T6 T85°C** **-20°C ≤ Ta ≤ +60°C**

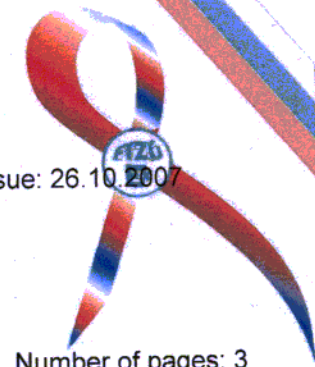
(12) This type examination certificate is valid till: **26. 10. 2012**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 26.10.2007



Number of pages: 3

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Physical Technical Testing Institute

Ostrava-Radvanice

Schedule

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Supplement No. 1 to EC-Type Examination Certificate N° FTZÚ 07 ATEX 0068

(15) Description of Equipment or Protective System

Intrinsically safe device boxes type X.SA0/JB, X.SA1/JB, X.SA2/JB are intended for signalisation and/or controlling of intrinsically safe circuits (I.S). **They always forms part of I.S. systems in accordance with EN 60079-25 (group II) or EN 50394-1 (group I).**

Except the I.S. signal lamps (FTZÚ 04 ATEX 0347), I.S. ammeters (PTB 98 ATEX 2101), contact blocks and terminals the boxes can contain approved RC blocks (Bus Terminator) for termination of intrinsically safe FISCO bus and next simple devices in accordance with EN 60079-11.

Ambient temperature range $-60^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$ is maximum for group II. For group I the ambient temperature range -20°C to $+80^{\circ}\text{C}$ is maximum. The actual temperature T_a depends on used components and electrical parameters and must be mentioned on marking of the device boxes, if they are intended for application in other range of ambient temperatures than -20°C to $+40^{\circ}\text{C}$.

The device boxes type X.SA0/JB, X.SA1/JB, X.SA2/JB can be applied in hazardous areas only on a basis of **intrinsic safety of circuits which are connected in:**

ia	II 2GD	ZONE 1,2; ZONE 21,22	EN 60079-10, EN 61241-10	X.SA0/JB, X.SA1/JB, X.SA2/JB
	I M1	Hazardous (atmospheric) conditions 1,2 (Explosive atmosphere, hazardous area)	EN 1127-2	X.SA1/JB, X.SA2/JB
ib	II 2GD	ZONE 1,2; ZONE 21,22	EN 60079-10, EN 61241-10	X.SA0/JB, X.SA1/JB, X.SA2/JB
	I M2	Hazardous (atmospheric) conditions 2 (Hazardous area)	EN 1127-2	X.SA1/JB, X.SA2/JB
ic	II 3G2D	ZONE 2; ZONE 21,22	EN 60079-10, EN 61241-10	X.SA0/JB, X.SA1/JB, X.SA2/JB

When applied in ZONE 1 and 2 according to ČSN EN 60079-10 it is necessary to consider also gas group IIA, IIB, IIC.

The intrinsic safety of whole circuits, which are devices boxes connected in, it is necessary to consider in accordance with EN 60079-25 and EN 60079-14 for group II or. EN 50394-1 for group I.

(16) Report No.: 07/0068-1 of 23.10.2007

(17) Special conditions for safe use: -

(18) Essential Health and Safety Requirements: Covered by standards mentioned in (9).

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(13) **Schedule**

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(19) **LIST OF DOCUMENTATION**

<i>Documentation:</i>	<i>Date:</i>
<input type="checkbox"/> Drawings manufacturer's labels No. G-4-190119/1, 2, 3	12.3.2007
<input type="checkbox"/> Certification drawing No. G-2-900008/3	12.3.2007
<input type="checkbox"/> Description to the certification drawing No. 2G900008_3_XSA_ATEX & IEC 2007.xls	12.3. 2007
<input type="checkbox"/> User manual No. N740019/7	12.3.2007

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