



Physical Technical Testing Institute
Ostrava-Radvanice



EC-Type Examination Certificate

- (1) **EC-Type Examination Certificate**
(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

FTZÚ 02 ATEX 0354

(4) Equipment or protective system: **Explosion-proof steel switchboard, type X40..DA2
or X40..DA2/d**

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

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

(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

02/0354 dated 27 November 2002


(9) Compliance with Essential Health and safety requirements has been assured by compliance with:


EN 50014:1997+A1, A2 EN 50018:2000 EN 50019:2000 EN 50281-1-1:1998

(10) If the sign „X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include following:

 **I M2 EEx de I resp. II 2GD EEx de IIC T6 T 85°C** for type X40..DA2

 **I M2 EEx d I resp. II 2GD EEx d IIC T6 T 85°C** for type X40..DA2/d

This EC-Type Examination Certificate is valid till: **30.11.2007**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 29.11.2002

Number of pages: 1/3

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0354**

(15) Description of Equipment or Protective System:

The series of the explosion-proof switchboards is designed as a modular unit construction system. The basis is a steel instrument box with optional dimensions depending on the number and size of installed instruments and components.

X40..DA2: The box is manufactured with a flameproof enclosure EEx d I or EEx d IIC T6 and with protection IP 66. To the box there is mechanically attached a terminal connection unit of corresponding dimensions, certified increased safety type EEx e I or EEx e II T6 (GENERAL, VARIANTA, ROSE etc.). The instrument part of the switchboard is galvanically connected by means of certified flameproof bushings with the thread joint EEx d I or EEx d IIC.

X40..DA2/d: The box is identical with the type X40..DA2, that is flameproof EEx d I or EEx d IIC T6 with protection IP 66 however it does not contain the terminal connection unit. Cable entries are designed either with flameproof enclosure, or another certified apparatus that does not invalidate the flameproof enclosure. It is also possible to use special encapsulated cable glands of approved type, certified sealing equipment (for example encapsulated end boxes or sealing boxes), or a certified conduit system with an encapsulated sealing part.

The maximum range of ambient temperature is $-40\text{ °C} \leq T_a \leq +40\text{ °C}$. The maximum range of T_a depends on used components, and this corresponding T_a must be mention on the data label, if it is different from -20 °C to $+40\text{ °C}$.

(16) Report No. : 02/0354 dated 27 November 2002.

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements: --

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



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(13)

Schedule

(14) **EC-Type Examination Certificate N^o FTZÚ 02 ATEX 0354**

(19)

LIST OF DOCUMENTATION

- Drawing for certification G-2-90282
- Drawing of type plate G-4-190079/1-ATEX
- Drawing of type plate G-4-190079/2-ATEX
- User's instruction N740017