



EU - Type Examination Certificate

(1)

(2)

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

(3) EU - Type Examination Certificate number:

FTZÚ 18 ATEX 0080X

(4) Product: **Non-explosive capillary thermostat X.ST.**

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

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

(7) This product and any 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 Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product 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.

The examination and test results are recorded in confidential Report number:

18/0080 dated 10.09.2018

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

EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014

(10) 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) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.


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

 **II 2G Ex db eb IIC Tx** (- see Description (15)) **Gb** **-60°C ≤ Ta ≤ +75°C**

 **II 2D Ex tb IIIC T_{max.surface}** (- see Description (15)) **Gb** **-60°C ≤ Ta ≤ +75°C**

(13) This certificate is valid till: **30.09.2023**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 10.09.2018

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

(13) **Schedule**

(14) **EU - Type Examination Certificate No. FTZÚ 18 ATEX 0080X**

(15) Description of Product:

The device boxes type X20ST0 (122x120x90mm, DEMKO 13 ATEX 1327771U, IBEX 12 ATEX 1144U) are made from special Al alloy according to DIN 1725 (AlSi12), and surface treated by powder baked-on coating.

The device boxes type X20ST1 (122x120x90mm) and X23ST1 (220x120x90mm) (DEMKO 15 ATEX 1475U, FTZÚ 13 ATEX 0162U, IBEXU 13 ATEX 1003U) are made from glassfibre reinforced polyester (GRP) with addition of graphite for ensuring of surface resistance of box to level less than $10^9 \Omega$.

The device boxes are mounted with certified Ex components suitable for installation to increased safety. Ex components are located in their own cabinet.

The device boxes type X20ST0, X20ST1 and X23ST1 comply to IP degree of protection min. IP66 according to ČSN EN 60 529.

Ambient temperature range $-60^{\circ}\text{C} \leq T_a \leq +75^{\circ}\text{C}$ is maximum. Ambient temperature T_a depends on used components and electrical parameters and must be mentioned on name plate, if the equipments are intended for using in the other range of ambient temperature than -20°C to $+40^{\circ}\text{C}$.

Used cable glands must be certificated with IP-code min. IP 66.


Max. ambient temperature	I contact 1-2		I contact 1-4		Temperature class	Max. surface temperature
	AC	DC	AC	DC		
+40°C	16A 230V	0,25A 230V	6,3A 230V	0,25A 230V	T6	T85°C
+60°C	16A 230V	0,25A 230V	6,3A 230V	0,25A 230V	T5	T100°C
+75°C	1A 230V	0,25A 230V	1A 230V	0,25A 230V	T6	T85°C

(16) Report Number.: 18/0080

(17) Specific Conditions of Use:

1. If the device is used at temperatures higher than $+40^{\circ}\text{C}$, it is necessary to use cables with temperature-resistant insulation min. 90°C .
2. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 10.09.2018

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 18 ATEX 0080X**

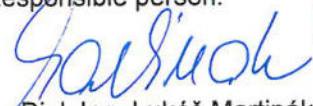
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

(19) Drawings and Documents:

Number	Sheet	Issue	Date	Description
G-2-902841/2	1	-	10.09.2018	Drawing
N740120	3	-	10.09.2018	User's Manual

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 10.09.2018

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

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

(3) EU - Type Examination Certificate number:

FTZÚ 18 ATEX 0080X

(4) Product: **Non-explosive capillary thermostat type X.ST.**

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

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

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 18 ATEX 0080X 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) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018,
EN 60079-31:2014**

(10) 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:

Ex II 2G Ex db eb IIC Tx (- see description (15)) Gb -60°C ≤ Ta ≤ +75°C

Ex II 2D Ex tb IIIC T_{max.povrch} (- see description (15)) Gb -60°C ≤ Ta ≤ +75°C

(12) This certificate is valid till: **31.03.2029**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.03.2024

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 18 ATEX 0080X**

(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.
- Updated the type of Raychem empty enclosures.

Max. ambient temperature	I contact 1-2		I contact 1-4		Temperature class	Max. surface temperature
	AC	DC	AC	DC		
+40 °C	16A 230V	0.25A 230V	6.3A 230V	0.25A 230V	T6	T85°C
+60 °C	16A 230V	0.25A 230V	6.3A 230V	0.25A 230V	T5	T100°C
+75 °C	1A 230V	0.25A 230V	1A 230V	0.25A 230V	T6	T85°C

The subject of this supplementary certificate is extension of certificate validity and according to the newest standards. The construction and electrical parameters of certified product remain unchanged.

(16) Report Number: 18/0080/1

(17) Specific Conditions of Use:

1. If the device is used at temperatures higher than +40 °C, it is necessary to use cables with temperature-resistant insulation min. +90 °C.
2. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Issue	Date	Description
G-2-902841/3	1	-	15.01.2024	Drawing
N740120	3	2	31.10.2023	User's Manual

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.03.2024

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