



Physical-Technical Testing Institute  
Ostrava - Radvanice



(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 16 ATEX 0133X**

(4) Product: **Limit switch box type ST2 series**

(5) Manufacturer: **L.G.M. Engineering s.r.l.**

(6) Address: **Via E. Majorana, 2 - 20060 - Cassina de Pecchi - Milano, Italy**

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 16 ATEX 0133X 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 60079-0:2012+A11:2013, EN 60079-1:2014, 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:

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

 **II 2D Ex tb IIC T...°C** – see technical specification

(12) This certificate is valid till: **31.03.2022**

Responsible person:

*L. Z. Jof*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 29.09.2017

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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.

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Physical-Technical Testing Institute  
Ostrava - Radvanice

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 1  
to FTZÚ 16 ATEX 0133X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus;
- Evaluation according to the newest standards;
- Change of manufacturer's address;
- Prolongation of certificate validity;

This supplementary certificate modifies using of product for Ambient temperature  $T_{amb}$  from  $-60^{\circ}\text{C}$ . The sealing o-rings was changed for Ambient temperature range – see clause (17).

The design of enclosure and electrical parameters are without change.

The manufacturer's address was changed from: **Via Galileo Galilei 22/A. - 20060 - Cassina de Pecchi - Milano** to new address: **Via E. Majorana, 2 - 20060 - Cassina de Pecchi – Milano**.

The product is recertified according to newest standards EN 60079-0:2012, EN 60079-1:2014 and EN 60079-31:2014.

Technical specification of limit switch box:

**ST2ME series:** - **mechanical switch ( 2 or 4 micro switches) with parameters:**

Nominal Voltage Un: max. 30 V DC and max. 250 V AC

Nominal Current In: max. 6 A and max. 11 A

**Tmax.surface temperature of the switch box: T 75°C**

**ST2IEseries:** - **inductive sensor with parameters:**

Nominal Voltage Un: 5 V- 60 V DC; 10 V- 140 V DC and 20 V – 140 V AC

Nominal Current In: max.100 mA and max. 200 mA

**Tmax.surface temperature of the switch box: T 75°C**

- **inductive sensor with parameters:**

Nominal Voltage Un: 8,2 V DC and 10 V- 30 V DC

Nominal Current In: max. 3 mA and max. 100 mA

**Tmax.surface temperature of the switch box: T 61°C**

**ST2HSEseries:** - **magnetic switch**

Nominal Voltage Un: max 220V AC - 300V DC

Nominal Current In: max 3 A

**Max. surface temperature of the switch box: T 61°C**

Responsible person:

*V.E. Faj*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



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**Physical-Technical Testing Institute  
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**Schedule**

(13)

(14) **Supplementary EU - Type Examination Certificate No. 1  
to FTZÚ 16 ATEX 0133X**

(16) Report Number.: 16/0133/1

(17) Specific Conditions of Use:

1. Ambient temperature range:  $-60^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ .
2. Shall be used only Ex equipment cable glands and plugs in Ex-protection according to marking (Code) of this certificate and with minimum IP 66/67.
3. For information on the dimensions of the flameproof joints the manufacturer shall be contacted.
4. The plastic part of indicator shall be cleaned with damp duster only.

(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
--	2	1	31.07.2017	Installation and operation manual
--	1	--	31.07.2017	Label

Responsible person:

*V.2. Juf*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 29.09.2017

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