Physical Technical Testing Institute
Ostrava – Radvanice

(1) # Supplement No. 2 to 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 10 ATEX 0074X

(4) Equipment or protective system: **Limit switch box type BE 48 series**

(5) Manufacturer: **Emme Technology S.r.l.**

(6) Address: **Via G. Di Vittorio 307/27, 20099 Sesto San Giovanni (MI), Italy**

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

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, a list of which is mentioned in the 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 other requirements, which manufacturer shall fulfil before products are placed on the market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

EN 60079-0:2009; EN 60079-1:2007; EN 60079-31:2009

(11) Marking of equipment shall contain symbols:

II 2G Ex d IIC T6 Gb

II 2D Ex tb IIIC T...°C Db – see (15) of this supplement

(12) This type examination certificate is valid till: **31.03.2017**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

PHYSICAL-TECHNICAL TESTING INSTITUTE FYZIKÁLNĚ-TECHNICKÝ ZKUŠEBNÍ ÚSTAV FTZÚ Ex AO 210 NB 1026

Date of issue: 20.02.2015

FTZÚ, s.p., Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic,
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(13) **Schedule**

(14) # Supplement No. 2 to EC-Type Examination Certificate N° FTZÚ 10 ATEX 0074X

(15) Description of Equipment or Protective System:

The present change is modifying the shape of the housing indicator - the other possible variant according to requirements of customer and in the alternative use of mechanical switches and sensors in the switch box BE 48 and BS 48 according to the Installation and operation manual 11/2014 rev.7.

Technical specification of limit switch box:

BE - 48 : - 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

BS – 48 : - 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

Mentioned changes have no influence on type of ex-protection and temperature class T6 of the equipment.

Responsible person:

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(13) **Schedule**

(14) # Supplement No. 2 to EC-Type Examination Certificate N° FTZÚ 10 ATEX 0074X

(16) Report No.: 10/0074-2 dated 19.02.2015

(17) Special conditions for safe use:

17.1 Ambient temperature Tamb: -20°C to +60°C.

17.2 Shall be used only Ex equipment cable glands and plugs in Ex-protection according to marking (Code) of this certificate and with minimum IP 67.

17.3 The basic values for maximum constructional gaps are different from the maximum values shown in Table 1 and table 2 IEC 60079-1. The values are specified in the basic documents.

17.4 The plastic part of indicator shall be cleaned with damp duster only.

(18) Essential Health and Safety Requirements:
Covered by standards mentioned in (10) of this certificate and Installation and operation manual 11/2014 rev. 7.

(19) LIST OF DOCUMENTATION:

➢	Installation and operation manual	rev. 7.	11/.2014
➢	Drawing No.: BE 48 – P5005V	rev. C	09/2014
	BE 48 – K4005R	rev. D	12/2014

Responsible person:

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Head of Certification Body

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