



## EC-Type Examination Certificate

- (1)  
(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 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°

**10/0074 dated 24.08.2011**

- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2009; EN 60079-1:2007; EN 60079-31:2009**  
(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 and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.  
(12) The marking of the equipment or protective system shall include following:

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

 **II 2D Ex t IIIC T61°C Db, IP67**

This EC-Type Examination Certificate is valid till: **31.08.2016**

Responsible person:

  
Dipl. Ing. Šindler Jaroslav  
Head of certification body



Date of issue: 25.08.2011

Number of pages: 3  
Page: 1/3

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Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 10 ATEX 0074X**

(15) Description of Equipment or Protective System:

The Limit Switch Box type BE 48 series in type of Ex-protection „Ex d“ and degree of protection IP 67 consists of cover and body fixed by hexagon socket set screws. To the cover is fixed by screws polycarbonate sight glass of indicator. In side section of enclosure are two threaded holes type NPT1/2" or M20x1.5 for cable glands. Operating shaft with lobes for switch or sensor goes through enclosure. The terminal block for connection of operating voltage is situated inside of enclosure. The mounting bracket is fixed in lower part.

**Technical specification:**

Rated voltage: 5V - 36V DC  
Rated current, I<sub>max</sub>.: 3 A

(16) Report No. : 10/0074

dated 24.08.2011

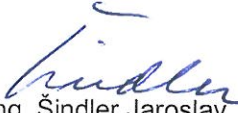
(17) Special conditions for safe use:

- Ambient temperature T<sub>a</sub>: -20°C to +60°C.
- Must be used only cable glands and plugs in Ex-protection according marking (11) of this certificate.
- The basic values for maximum constructional gaps are different from the maximum values shown in Table 1 and table 2 EN 60079-1. The values are specified in the approval documents – see list of documentation (19) on page 3/3 of this certificate.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

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Page: 2/3

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(19)

**LIST OF DOCUMENTATION**

<i>Title</i>		<i>Date:</i>
Installation and operation manual	Rev. 3	2011
Drawings No.	BE48-S8261	03/2011
	BE48-S8261M	03/2011
	BE48-D7AB1M	03/2011
	BE48-S9000F	03/2011

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Page: 3/3

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