



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 06 ATEX 0041U


- (4) Component: **Thread bushings type 25.1, 63.1, 63.2 a 100.2**
- (5) Manufacturer: **EM Brno s.r.o.**
- (6) Address: **Jílková 124, 615 32 Brno, Czech republic**
- (7) This Component 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°
06/0041 dated 22nd November 2006
- (9) Compliance with Essential Health and safety requirements has been assured by compliance with:
EN 60079-0:2004; EN 60079-1:2004; EN 60079-7:2003;
- (10) The sign „U” placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EC-TYPE EXAMINATION CERTIFICATE relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.
- (12) The marking of the component shall include following:

 **IM2 Ex de I**

 **II 2G Ex de IIC**

This EC-Type Examination Certificate is valid till: **30.11.2011**

Responsible person:


Dipl. Ing. Jaroslav Šindler
Head of certification body



Date of issue: 28.11.2006

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This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 06 ATEX 0041U**

(15) Description of Component:

A type 25.1; 63.1; 63.2 and 100.2 thread bushings are designated for electrical equipment with operating voltage 690V to rated current 25A up to 100A.

Bushings are made from brass screw bolt that is concentric stored in thread steel case. The both parts are pressed in through moulding material to undemountable unit. The bushings are designed for use with flameproof electrical equipments with mode increased safety „e” or flameproof enclosure „d”.

(16) Report No.: 06/0041

dated 22.11.2006

(17) Schedule of Limitations: T_{amb} : - 50 °C to + 110 °C

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

- Technical description No. Z 055/06 (8 pages) dated 15.5.2006
- Drawings No. 2 009 1419 18.03.2006
- 2 009 1420 19.03.2006
- 2 009 1433 18.03.2006
- 2 009 1425 20.03.2006
- 2 331 1913 25.09.2006

Responsible person:


Dipl. Ing. Jaroslav Šindler
Head of certification body



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Physical Technical Testing Institute
Ostrava-Radvanice

Annex No. 1

to EC-Type Examination Certificate N° FTZÚ 06 ATEX 0041U

Technical data:

Max. operating voltage:	≤ 690 V	
Allowed current load:	25.1	25 A
	63.1	63 A
	63.2	63 A
	100.2	100 A
Operating temperature range:	- 50 °C až + 110 °C	
Number of bolt:	1	
Cross-section of the connecting wire:	25.1	10 mm ²
	63.1	25 mm ²
	63.2	25 mm ²
	100.3	35 mm ²

