ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

CERTIFICATE

TÜV SÜD Italia

[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use in potentially explosive atmospheres Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

TÜV IT 17 ATEX 009 X

[4] Equipment or Protective System: Antistatic bar type EX-ABSL-RC

[5] Manufacturer: Elettromeccanica Bonato S.a.s.

[6] Address: Via Rostoncello, 25/B
I-36010 Carrè (VI) - Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] TÜV Italia, notified body no. 0948 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 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 no. R 17 EX 010

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012/A11:2013; EN 60079-18:2015

[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 EU-TYPE EXAMINATION 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 mb IIB T6 Gb
II 2D Ex mb IIIB T85°C Db

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

Issue date: 14th July 2017

ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO

SGQ N° 049A SSI N° 005G PRD N° 081B
SGA N° 018D ITX N° 001L ISP N° 057E
SCR N° 009F PRS N° 077C LAB N° 0076

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

TÜV Italia Srl Industrie Service 09 48 Notified Body

TÜV Italia S.r.l.
Notified Body N° 0948

Paolo Marcone
Industry Service - Real Estate & Infrastructure
Managing Director

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo.
The internal reference code is 722132990.

[13] **SCHEDULE**

[14] **EU-TYPE EXAMINATION CERTIFICATE**
no. TÜV IT 17 ATEX 009 X

Italia

Certificate History

Revision	Description	Report Revision	Issue Date
-	First emission	-	14/07/2017

[15] **Description of equipment**

The antistatic bar, series "EX-ABSL-RC", energized with one-phase a.c. voltage, of frequency up to 60 Hz, decomposes air atoms to positive ions and negative ions.
It is normally used for neutralizing any electrostatic charges existing on surfaces and materials.

The antistatic bar, series "EX-ABSL-RC" consist of:
- an aluminium extrusion aimed provide strength to the bar over to contain the insulating cover, the electronic board and the bi-component resin;

- a PVC covering aimed to provide the insulation between the electronic board and the aluminium extrusion, and to provide the place to fix the electronic board;

- an electronic board where the power supply cable is wired before to be sealed by resin and it allows through its terminals, to decompose air atoms.

The antistatic bar, series "EX-ABSL-RC" have different sizes (mainly several lengths) and can be installed without position obligations.

Rated characteristics

Enclosure material	Aluminum alloy
Insulator	PVC
Resin	Bi-component
Maximum input voltage	7000V ±10% 50/60Hz
Maximum input current	6 mA
Maximum input power	35W
Cross section of the supply cable	0..4 ÷ 1.5 mm²
Ambient temperature	-20 … +60°C

Warning label

None.

[16] **Report no.** R 17 EX 010

Routine tests

Manufacturer shall carry out a dielectric test on the equipment according to 9.2 of EN60079-18

[13] **SCHEDULE**

[14] **EU-TYPE EXAMINATION CERTIFICATE**
no. TÜV IT 17 ATEX 009 X

Italia

[17] **Special conditions for safe use**

- The antistatic bar, series "EX-ABSL-RC" has to be connected to AFX power unit. AFX power unit must be positioned outside the hazardous area.
- The equipment must not be used in presence of dust having ignition energy < 0.2 mJ
- The bar shell be installed according with the manufacturer's instructions.
- The integral cable shall be fixed in order to prevent mechanical damage.
- The equipment, when not powered, shall be cleaned exclusively by using of a lightly wet cloth.
- The equipment installation shell be exclusively in indoor environments (without exposure to sunlight) and it shell not be exposed to direct artificial lighting.

[18] **Essential Health and Safety Requirements**

Assured by compliance with the standards set out in the [9].

[19] **Drawings and Documents** (prot. 722132990)

Title:	Description:	Pages:	Rev:	Date:
2017/01.00-EX GDP	General description	21	01	09/12/2016
2017/01.00-EX IU	Instruction manual	19	00	09/12/2016
EX ABSL RC EL	Drawing: circuit diagram	01	00	09/12/2016
EX ABSL RC GA	Drawing: dimensional layout	01	00	09/12/2016
EX ABSL RC TARGA	Drawing: nameplate	01	00	09/12/2016
EX ABSL RC DS	Drawing: section view	01	00	09/12/2016

One copy of all documents is kept in TÜV Italia files.