



[1]

**EU-TYPE EXAMINATION CERTIFICATE**

[2]

**Component intended for use in potentially explosive atmospheres  
Directive 2014/34/EU – Annex III**

[3]

Certificate Number: **EPT 19 ATEX 3218 U** Issue 0

[4]

Component: **Bushing**Type: **Cab-join14**Models: **AGIU14EX001, AGIU14EX002 and AGIU14EX003**

[5]

Manufacturer: **DVG AUTOMATION S.p.A.**

[6]

Address: **Via G. Rossetti, 2 – 29016 Cortemaggiore (PC) - Italia**

[7]

This component and its accepted variations are specified in the annex to this Certificate.

[8]

Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in the confidential Report N° EPT.19.REL.01/1913023.

[9]

Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the standards:

**EN 60079-0:2012+A11:2013, EN 60079-1:2014; EN 60079-31:2014; EN 60079-7:2015+A1:2018**

[10]

The symbol "U" placed after the certificate's number indicates that this certificate must not be understood as a certificate for equipment or protective systems.


This certificate may be used as a basis for a certificate for the equipment or protective system.

[11]

This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified component.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this component. These requirements are not object of this Certificate.

[12]

The component shall include the sign  and at least one of the following strings:

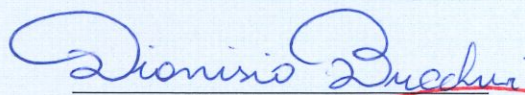
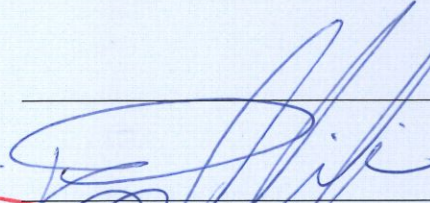
**II 2GD****Ex db eb IIC Gb****Ex tb IIIC Db**

Models AGIU14EX001 and AGIU14EX002

**Ex eb IIC Gb****Ex tb IIIC Db**

Model AGIU14EX003

Place and date of issue:

**Torino, 2019-05-09**Dionisio Bucchieri  
Directive Responsible  
Paolo Trisoglio  
Managing Director**PRD N° 119B**Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



[13]

**ANNEX**

[14]

**EU-TYPE EXAMINATION CERTIFICATE N. EPT 19 ATEX 3218 U**

Issue 0

**[15] Component description**

The bushings, series Cab-joint14, are designed to interconnect two devices by electrical wires. Depending on the types of connection, they ensure the types of protection "Ex eb", "Ex tb" and "Ex db". The components are suitable for of gas group IIC and dust group IIIC.

One side of the joint is threaded M25x1.5 and the other side is M20x1.5.

The body of the component is made of stainless steel AISI 316.

The bushing is sealed with polyurethane resin.

**Identification Codes:**
AGIU14EX001

-side M25x1.5 must be connected to an "Ex db" and "Ex tb" enclosure (Screwed into the cable entry)

-side M20x1.5 must be connected to an "Ex eb" and "Ex tb" enclosure through its serrated washer and a locknut

AGIU14EX002

-side M25x1.5 must be connected to an "Ex eb" and "Ex tb" enclosure through its serrated washer and a locknut

-side M20x1.5 must be connected to an "Ex db" and "Ex tb" enclosure (Screwed into the cable entry)

AGIU14EX003

- both sides must be connected to an "Ex eb" and "Ex tb" enclosure through its serrated washer and a locknut

**Electrical characteristics**

Maximum voltage : 250 Vac

Maximum current for each conductor: 3 A

Maximum number of wirings: 14

Cross-section of wirings: 1.5 mm<sup>2</sup>

Degree of protection: IP66

**Warning label**

Not present

**Routine tests**

None

**[16] Assessment Report n° EPT.19.REL.01/1913023**

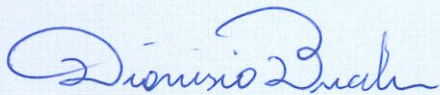
This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this Certificate; performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report cited above.

**[17] Schedule of limitations**

- The permitted service temperature is included between -40°C and +85°C;
- During installation, the end user has to ensure that there is electrical continuity between the equipment and the enclosure that has to be correctly grounded.
- Flameproof joints cannot be repaired.
- When the component is used in a flameproof enclosure, the requirements of the minimum number of engaged threads and the protection against unscrewing must be managed in the certificate of the complete equipment.
- The component has been tested according to clause 15.2.3 of IEC 60079-1 at a pressure of 44 bar, therefore it can be installed in an enclosure with a Pref value of 11 bar or lower.
- In order to guarantee the IP degree of the enclosure on which the component is installed, the wall of the enclosure shall be plane and smooth.


**PRD N° 119B**

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



 Dionisio Bucchieri  
 Directive Responsible

 Page 2 of 3  
 2019-05-09



[13] **ANNEX**  
 [14] **EU-TYPE EXAMINATION CERTIFICATE N. EPT 19 ATEX 3218 U** Issue 0

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

Assured by compliance with harmonized standards.

[19] **Descriptive documents**

The components described object of this Certificate are described by the following documents that are scheduled documents and therefore they cannot be modified without the explicit authorization of the Notified Body.

Document	Name	Rev.	Date
Technical note	Cab-joint14	00	2019-02-05
Safety instructions	IOM joint14	00	2019-02-12
Instruction for resin process and individual test	Joint14-resin-diel	00	2019-04-08
Marking	DTRD20X0S01	00	2019-04-10
Drawing	DTRD20X0001	00	2018-11-30
Assembly drawing	MGIU14EX001	00	2019-02-14

[20] **Terms and conditions**

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

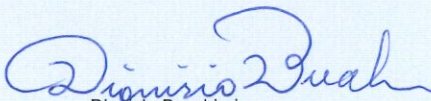
- changes in the design or construction of the product;
- changes or amendments to the 2014/34/EU Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] **Certificate History**

This Certificate is at its first issue.



**PRD N° 119B**  
 Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC  
 Signatory of EA, IAF and ILAC Mutual Recognition Agreements

  
 Dionisio Bucchieri  
 Directive Responsible

Page 3 of 3  
 2019-05-09

End of Certificate