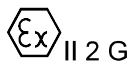


## EU Type Examination Certificate    CML 17ATEX3325U    Issue 0

- 1    Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2    Component        **Explosion-proof Voltmeter and Ammeter Module Z0205-□□/□**
- 3    Manufacturer    **Index Elektro B.V.**
- 4    Address            Harregatplein 15  
                          3214 VP Zuidland  
                          Netherlands
- 5    The component is specified in the description of this certificate and the documents to which it refers.
- 6    Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, 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 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 to the Directive.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7    The 'U' suffix after the certificate number indicates that the component is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8    This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9    Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:  
  
EN 60079-0:2012                            EN 60079-7:2007                            EN 60079-18:2009
- 10    The equipment shall be marked with the following:



Ex e mb IIC Gb (For Z0205-□mA/□ Ammeter and Z0205-□V/□ Voltmeter)

Ex e IIC Gb (For Z0205-□A/□ Ammeter)

Ta -40°C to +95°C

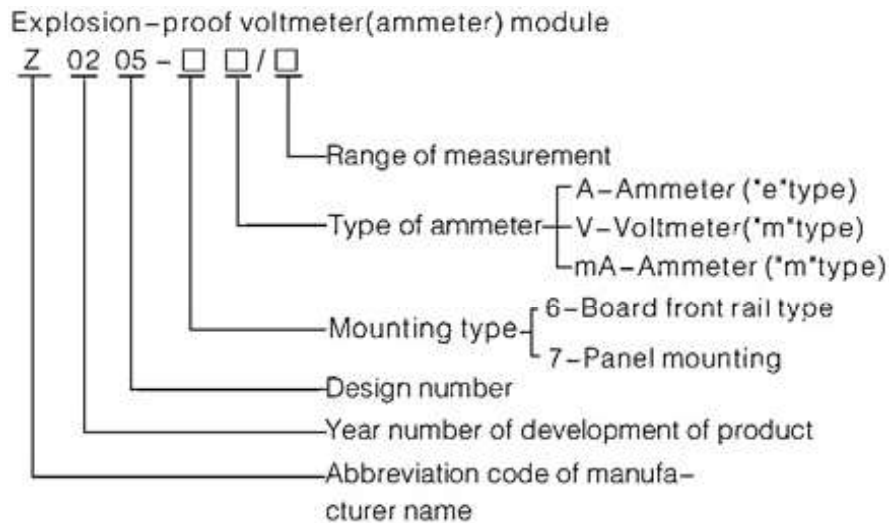


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## 11 Description

The Explosion-proof Voltmeter and Ammeter Module Z0205-□□/□ is used for measurement and display of voltage (current) value in hazardous areas. The Z0205 modules are intended to be installed as TS35\*7.5 rail mounted or bolt fixed. The dimensions of all models are 66 mm x 66 mm x 47.5 mm.

Model designators are as follows:



Model ratings are as follows:

### Z0205-□mA/□ Ammeter

DC AC 50/6 0Hz

0 - 20/40 mA

4 - 20/40 mA

### Z0205-□V/□ Voltmeter

AC 50/60Hz

0 - 10 V

0 - 25 V

0 - 40 V

0 - 50 V

0 - 100 V

0 - 120 V

0 - 150 V

0 - 250 V

0 - 500 V

### Z0205-□A/□ Ammeter

AC 50-60Hz

0 - 1 A

0 - 5 A

0 - 10 A

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	13 Dec 2017	R11412A/00	Issue of prime certificate

Note: Drawings that describe the equipment or component are listed in the Annex.



**CML 17ATEX3325U  
Issue 0**

### **13 Conditions of manufacture**

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 The manufacturer shall carry out a visual inspection of the encapsulation in accordance with IEC 60079-18:2009 clause 9.2.

### **14 Special Conditions for Safe Use (Conditions of Certification)**

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 The Explosion-proof Voltmeter and Ammeter Module Z0205-□□/□ must be mounted in an enclosure which conforms to the requirements of a recognized type of protection as specified in IEC 60079-0:2011 and which provides a degree of protection of at least IP54. When the Explosion-proof Voltmeter and Ammeter Module Z0205-□□/□ are mounted in an enclosure providing type of protection, increased safety, "e", the creepage and clearance distances between the terminals and other live or earthed parts inside the enclosure shall comply with the requirements of IEC 60079-7:2006 clause 4.3, clause 4.4 and Table 1.
- 14.2 The Z0205 meters have a service temperature range of -40°C to +95°C and shall not be used outside this range. However, the upper ambient temperature limit does not take into account the heat that is generated whilst the meter is operating under load, therefore, this shall be considered when it is incorporated into a piece of equipment.
- 14.3 The tightening torque of the wiring bolt is 1.2 Nm and the tightening torque of the EXM Ammeter frame bolt is 1.1 Nm.
- 14.4 An electric strength, in accordance with IEC 60079-7:2006 clause 7.1 shall be carried out on all units when they have been incorporated into equipment.



## Certificate Annex

**Certificate Number** CML 17ATEX3325U

**Equipment** Explosion-proof Voltmeter and Ammeter Module Z0205-  
□□/□

**Manufacturer** Index Elektro B.V.

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
8Z0205.017.001	1 of 1	1-12-17	13 Dec 2017	Labels Z0205



## Certificate and File Transfer

This document confirms the transfer of the following referenced certificates and files.

**Receiving Notified Body:**

CML B.V.,  
Hoogoorddreef 15  
1101BA,  
Amsterdam,  
The Netherlands  
(Notified Body number 2776)

**(Original) Issuing Notified Body:**

Certification Management Limited (Eurofins E&E CML Limited)  
Newport Business Park,  
New Port Road,  
Ellesmere Port  
CH65 4LZ  
United Kingdom  
(Notified Body number 2503)

**Manufacturer:**

Index Elektro B.V.  
Harregatplein 15, 3214 VP Zuidland  
Netherlands

**Certificates transferred**

CML 17ATEX3325U

CML 18ATEX1026X

CML 15ATEX1190X

CML 17ATEX1249X

CML 17ATEX3247U

The manufacturer may use this document as evidence of continuity of certification.

Where the certification documentation or markings require updating to reflect the transfer, for example, change to Notified Body number, this is permitted without submission of updated documentation to CML.

The manufacturer shall apply to CML for any other changes to the product design.

Signed

On behalf of

CML B.V.

**D R Stubbings MIET**

Technical Director

Thursday, 03 October 2019

On behalf of

CML UK

**A C Smith**

Technical Operations Director

Thursday, 03 October 2019

On behalf of

Index Elektro B.V.

**J.W. Weeda**

Technical Director

Thursday, 03 October 2019

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Amsterdam, 1101 BA  
The Netherlands

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