



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX PTB 10.0015** issue No.: **3**

Status: **Current**

Date of Issue: **2014-06-10** Page 1 of 4

Applicant: **IDEC Corporation**  
6-64 Nishimiyahara 2-chome,  
Yodogawa-ku, Osaka, 532-0004  
**Japan**

Electrical Apparatus: **Relay Barrier type EB3C-N, EB3L-N and EB3S-N**  
*Optional accessory:*

Type of Protection: **Intrinsic Safety**

Marking: [Ex ia] IIC  
[Ex ia] IIIC

*Approved for issue on behalf of the IECEx  
Certification Body:*

Dr.-Ing. T. Horn

*Position:*

Head of Working Group "Intrinsic Safety"

*Signature:  
(for printed version)*

*Date:*

2014-06-11

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**Physikalisch-Technische Bundesanstalt (PTB)**  
Bundesallee 100  
38116 Braunschweig  
Germany





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Manufacturer: **IDEC Corporation**  
6-64 Nishimiyahara 2-chome,  
Yodogawa-ku, Osaka, 532-0004  
Japan

Additional Manufacturing location  
(s):

**IDEC Corporation,  
Amagasaki Plant**  
5-8-10, Shioe  
Amagasaki-shi  
Hyogo, 661-0976  
Japan

**IDEC Corporation,  
Tsukuba Plant**  
1-9, Koyodai  
Ryugasaki-shi  
Ibaraki, 301-0852  
Japan

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition: 6.0

**IEC 60079-11 : 2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:  
DE/PTB/ExTR09.0074/02

Quality Assessment Report:  
NO/NEM/QAR10.0001/03



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Comments and electrical data see attachment.

### CONDITIONS OF CERTIFICATION: NO



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The manufacturer's production facilities were complemented. All data and specifications remain unchanged.