



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX KEM 08.0007X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2013-05-27\)](#)
Date of Issue: 2022-02-22 [Issue 1 \(2011-08-11\)](#)
[Issue 0 \(2008-07-10\)](#)
Applicant: **Fluidwell B.V.**
Voltaweg 23
5466 AZ Veghel
Netherlands
Equipment: **General Purpose Indicator Model Series F400 and Model Series D400 (type -XI)**
Optional accessory:
Type of Protection: **Ex ia**
Marking: Ex ia IIC T4 Ga
Ex ia IIIC T₂₀₀ 100 °C Da
Ex ia I Ma

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2022-02-22

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **Fluidwell B.V.**
Voltaweg 23
5466 AZ Veghel
Netherlands

Manufacturing
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

[NL/KEM/ExTR08.0007/00](#)

[NL/KEM/ExTR08.0007/01](#)

[NL/KEM/ExTR08.0007/03](#)

Quality Assessment Report:

[NL/DEK/QAR12.0019/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

General product information:

The General Purpose Indicators Model Series F400 and Model Series D400 type -XI are 4 ... 20 mA loop powered indicators for panel mounting or field mounting (F400 only). It is for connection in series with an intrinsically safe circuit. The input circuit is designed such, that it does not influence the intrinsically safe circuit to which it is connected. The indicator may optionally be provided with a backlight.

The enclosure of the indicator provides a degree of protection of at least IP65 in accordance with IEC 60529.

Ambient temperature range:

-30 °C to +50 °C for EPL Da.

-30 °C to +70 °C for EPL Db with a maximum dust layer thickness of 5 mm.

-30 °C to +70 °C for other EPL's.

Electrical data

Input circuit (terminals 4 and 5):

in type of protection intrinsic safety Ex ia IIC/IIIC, only for connection to an intrinsically safe circuit, with the following maximum values:

$U_i = 30 \text{ V}$; $I_i = 200 \text{ mA}$; $P_i = 1.2 \text{ W}$; $C_i = 0 \text{ nF}$; $L_i = 0 \text{ mH}$

Backlight circuit (terminals 9 and 10):

in type of protection intrinsic safety Ex ia IIC/IIIC, only for connection to an intrinsically safe circuit, with the following maximum values:

$U_i = 28 \text{ V}$; $I_i = 200 \text{ mA}$ (resistively limited); $P_i = 0.96 \text{ W}$; $C_i = 0 \text{ nF}$; $L_i = 0 \text{ mH}$

The backlight circuit is separated from the input circuit.

SPECIFIC CONDITIONS OF USE: YES as shown below:

When the enclosure of the Indicator is made of aluminium alloy, when used in a potentially explosive atmosphere requiring apparatus of equipment protection level Ga, the Indicator shall be installed so, that even in the event of rare incidents, an ignition source due to impact or friction sparks between the enclosure and iron/steel is excluded.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Assessed per IEC 60079-0 Ed. 7
2. Removal IEC 60079-15, IEC 60079-26, IEC 60079-31 and related Ex marking.
3. Addition Ex marking for mining.