



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 DEK 24.0002X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-06-17
Applicant: **PR Electronics A/S**
Lerbakken 10
8410 Rønne
Denmark
Equipment: **Loop Powered LCD Indicator, types 5531A, 5531B**
Optional accessory:
Type of Protection: **Ex i**
Marking: Ex ia IIC T4 Gb (Type 5531B)
Ex ic IIC T4 Gc (Type 5531A)

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-06-17

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: **PR Electronics A/S**
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Manufacturing
locations: **PR Electronics A/S**
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8410 Rønde
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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 Report:

[NL/DEK/ExTR24.0002/00](#)

Quality Assessment Report:

[NL/DEK/QAR13.0017/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

General product information:

The panel mounted Loop Powered LCD indicator Type 5531A, 5531B is used for local readout of 4...20 mA current signals scaled directly in process units.

Electrical data

Supply and input circuit:

in type of protection intrinsic safety Ex ia IIC and Ex ic IIC only for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 45 \text{ V}$; $I_i = 120 \text{ mA}$; $P_i = 0.9 \text{ W}$; $C_i = 0 \text{ nF}$; $L_i = 0 \text{ mH}$.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Precautions shall be taken to minimize the risk from electrostatic discharge at module front.