

# CERTIFICATE

(1) **Type Examination**

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **KEMA 05ATEX1044X** Issue Number: **3**

(4) Product: **Loop Powered LCD Indicator, type 5531A**

(5) Manufacturer: **PRelectronics A/S**

(6) Address: **Lerbakken 10, 8410 Rønede, Denmark**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014. The examination and test results are recorded in confidential test report no. NL/DEK/ExTR24.0002/00.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0 : 2018**

**EN 60079-11 : 2012**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



**II 3 G Ex ic IIC T4 Gc**

Date of certification: 17 June 2024

DEKRA Certification B.V.

R. Schuller  
Certification Manager

Throughout this document, a point is used as the decimal separator.

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(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 05ATEX1044X**

Issue No. 3

(15) **Description**

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

Ambient temperature range -20 °C ... +60 °C.

**Electrical data**

Supply and input circuit:

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

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

**Installation instructions**

The manufacturers instructions shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR24.0002/00.

(17) **Specific conditions of use**

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

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR24.0002/00.