

CERTIFICATE

(1) Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **KEMA 07ATEX0152 X** Issue Number: **3**

(4) Product: **Power Control Unit Type 9410**

(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/KEM/ExTR08.0021/05.

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015 + A1:2018

EN 60079-15 : 2019

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 EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



II 3 G Ex ec nC IIC T4 Gc

Date of certification: 10 July 2020

DEKRA Certification B.V.

R. Schuller
Certification Manager



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(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 07ATEX0152 X**

Issue No. **3**

(15) **Description**

Power Control Unit Type 9410 is used to distribute supply voltage to Power Rail Type 9400 on which it is mounted.

The Control Unit is connected to an external power supply and optionally to a backup power supply.

The Control Unit detects errors from the modules mounted on the rail and provides a collective status alarm via a potential free contact.

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

Electrical data

Power Supply (terminals 31, 32): $U = 21,6 \dots 26,6 \text{ Vdc / Adc}$.

Backup Power Supply (terminals 33, 34): $U = 21,6 \dots 26,6 \text{ Vdc / 4 Adc}$.

Power Rail (rear contacts): $U = 21,6 \dots 26,6 \text{ Vdc}$ (with transient suppression to 40 V)

Power Rail Status Relay (terminals 11, 12, 13): $U \leq 30 \text{ Vdc or } 32 \text{ Vac}, I \leq 2 \text{ A}$

If the Control Unit is installed outside the hazardous area, the following data for the relay contacts apply:

$U \leq 30 \text{ Vdc or } 250 \text{ Vac}, I \leq 2 \text{ A}$

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/KEM/EXTR08.0021/05.

(17) **Specific conditions of use**

The Power Control Unit Type 9410 and Power Rail Type 9400 shall be installed in a controlled environment with suitably reduced pollution, limited to pollution degree 2 or better.

The circuit shall be limited to overvoltage category I/II as defined in EN 60664-1.

The Power Control Unit Type 9410 and Power Rail Type 9400 shall be installed in a suitable enclosure having an IP protection of at least IP54, conforming to the requirements of type of protection Ex n or Ex e.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/EXTR08.0021/05.

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Issue No. **3**

(20) **Certificate history**

Issue 1 -	211081400	initial certificate
Issue 2 -	217506300	assessed per EN 60079-0: 2012 and EN 60079-15: 2010 Minor constructional changes
Issue 3 -	224549000	assessed per EN IEC 60079-0 : 2018, EN 60079-7 : 2015 + A1 : 2018 and EN 60079-15 : 2019