

CERTIFICATE

(1) Type Examination

(2) **Product or Protective System intended for use in potentially explosive atmospheres - UKSI 2016:1107 (as amended) - Schedule 3A, Part 6**

(3) Type Examination Certificate Number: **DEKRA 21UKEX0067X** Issue Number: **0**

(4) Product: **Auto Configuration Adapters Series ACA11, ACA21, ACA22 and ACA22-USB-C**

(5) Manufacturer: **Hirschmann Automation and Control GmbH**

(6) Address: **Stuttgarter Strasse 45-51, 72654 Neckartenzlingen, Germany**

(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 Schedule 1 of the Regulations 2016, UKSI 2016:1107 (as amended).

The examination and test results are recorded in confidential report 225706500-02 issue 0.

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

**EN IEC 60079-0 : 2018
EN 60079-11 : 2012**

EN 60079-7 : 2015 + A1 : 2018

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

(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
II 3 G**

**Ex ec IIC T4 Gc or
Ex ec ic IIC T4 Gc**

Date of certification: 15 December 2021

DEKRA Certification B.V.

R. Schuller
Certification Manager

2716:3
Page 1/3

© Integral publication of this certificate and adjoining reports is allowed. This certificate and its schedules may only be reproduced in its entirety and without change.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 21UKEX0067X**

Issue No. 0

(15) **Description**

The Auto Configuration Adapters Series ACA 11, ACA 21, ACA 22 and ACA22-USB-C are devices for storing and updating configuration data and software for the Hirschmann Industrial ETHERNET devices.

The ACA22-USB-C adapter has a screw to secure the connector.

Ambient temperature range: -40 °C to +70 °C (option parameter EEC)
0 °C to +60 °C (option parameter blank)

Marking

Series ACA21 and ACA22 with USB-A connector:

II 3 G Ex ec ic IIC T4 Gc

Series ACA11, ACA21, ACA22 and ACA22-USB-C with RJ11 or M12 or secured USB-C connector:

II 3 G Ex ec IIC T4 Gc

Electrical data

Series ACA 11 with RJ11 or M12 connector

Supply: +/- 5 Vdc (V24 signal), 3 mA

Series ACA 21, ACA22 and ACA22-USB-C with RJ11 or M12 or secured USB-C connector:

Supply: 5,5 Vdc, 150 mA

Series ACA21 and ACA22 with connector type USB-A

In type of protection intrinsic safety Ex ic IIC, with following maximum values:

$U_i = 5,5 \text{ V}$, $I_i = 1,25 \text{ A}$, $C_i = 6 \text{ }\mu\text{F}$, $L_i = 400 \text{ nH}$

Installation instructions

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

(16) **Report Number**

225706500-02 issue 0.

(17) **Specific conditions of use**

The modules shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.

The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN IEC 60079-0, taking into account the environmental conditions under which the equipment will be used.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 21UKEX0067X**

Issue No. **0**

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

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, compliance with all other requirements is demonstrated in the report.

(19) **Test documentation**

As listed in Report number 225706500-02 issue 0.