

# CERTIFICATE

## (1) Type Examination

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

(3) Type Examination Certificate Number: **DEKRA 12ATEX0258 X** Issue Number: **4**

(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 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. 215432500 issue 4.

(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.

(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: **8 July 2021**

DEKRA Certification B.V.

**R. Schuller**  
Certification Manager

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 12ATEX0258 X**

Issue No. 4

(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**

No. 215432500 issue 4.



(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 12ATEX0258 X**

Issue No. **4**

(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.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 215432500 issue 4.

(20) **Certificate history**

Issue 1 - 215432500	Initial certificate
Issue 2 - 216837200	Revised construction
Issue 3 - 219603900	Update to EN 60079-0 : 2012 + A11 : 2013
Issue 4 - 225734600	Update to EN IEC 60079-0 : 2018 and EN 60079-7:2015 + A1:2018 Addition model type ACA22-USB-C