HIRSCHMANN
A BELDEN BRAND

User Manual

Installation
AutoConfiguration Adapter

ACA11 (EEC)
Ord. code
943 751-002

ACA11-M12 (EEC)
Ord. code
943 972-001

The AutoConfiguration Adapters ACA11-... are devices for storing and updating configuration data and software for the Hirschmann Industrial Ethernet devices [1)].
In the case of a device failure, the ACA11-... enables a simple configuration data transfer by means of a substitute device of the same type.

Storing the current configuration data in the ACA11-...
You can transfer the current device configuration onto the ACA11-... and simultaneously onto the flash memory of the device using the Web-based Interface (Menu „Load/Save“) or using the Command Line Interface.

Transferring the configuration data from the ACA11-...
When you restart, the device transfers the configuration data of the ACA11-... and saves it permanently into the flash memory.

[1)] Whether your device supports ACA11-... is mentioned on the product page on the Internet.

Installing the ACA 11-...

Plug the ACA11-... onto the V.24 or the M12 terminal of the device.

Note: When you restart, the device always assumes the configuration data of the ACA and saves them permanently into the flash memory. The status of the AutoConfiguration Adapter in the Web-based Interface or Command Line Interface shows you whether the configuration data of the ACA coincides with the configuration data of the device.

Notes:

- The ACA11-... is intended for use and connection only to listed Hirschmann Industrial Ethernet products providing Limited Power Source according to the EN 60950-1 requirements.
- Maximum Electrical Ratings: U_{in}: ± 15 V, I_{in}: 3 mA.
- The ACA11-... is intended for use without an additonal extension-cable.
- Peripheral equipment must be suitable for the location it is used in.

Relevant for use in explosion hazard areas (Hazardous Locations, Class I, Division 2)

When using the ACA11-... devices as industrial control equipment, the following restrictions apply: This equipment is suitable for use in Class I, Division 2, Groups A, B, C, D − OR non-hazardous locations, if labeled "**FOR USE IN HAZARDOUS LOCATIONS**".

In addition, the following restrictions apply:

Ta: -40 °C to +70 °C (-40 °F to +158 °F), temperature code: T4

WARNING – EXPLOSION HAZARD – Do not disconnect equipment unless power has been removed or the area is known to be nonhazardous. To be supplied by a class 2 power supply or isolated low voltage limited energy (LVLE).

WARNING – EXPLOSION HAZARD – Substitution of any components may impair suitability for Class I, Division 2.

Avertissement – Risque d'explosion – Ne pas débrancher tant que le circuit est sous tension à moins que l'emplacement soit connu pour ne contenir aucune concentration de gaz inflammable.

Avertissement – Risque d'explosion – La substitution de tout composant peut rendre ce matériel incompatible pour une utilisation en classe I, division 2.

ATEX directive 2014/34/EU – specific regulations for safe operation
This product may be operated in Ex Zone 2 only if the product label is marked as follows:

Ⓔx II 3G Ex ec IIC T4 Gc
Ta: -40 °C ... +70 °C (-40 °F ... +158 °F), temperature code: T4
DEKRA 12ATEX0258X

Special conditions for safe use:
The device is suitable for use in an area with maximum pollution degree 2, as defined in EN 60664-1.
Install the device in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60079-0, taking into account the environmental conditions under which the equipment will be used.

UK regulation S.I. 2016:1107 (as amended by S.I. 2019:696) – Schedule 3A, Part 6
This product may be operated in Ex Zone 2 only if the product label is marked as follows:

Ⓔx II 3G Ex ec IIC T4 Gc
Ta: -40 °C ... +70 °C (-40 °F ... +158 °F), temperature code: T4
DEKRA 21UKEX0067X

Special conditions for safe use:
The device is suitable for use in an area with maximum pollution degree 2, as defined in EN 60664-1.
Install the device in a suitable enclosure providing a degree of protection of at least IP54 according to EN 60079-0, taking into account the environmental conditions under which the equipment will be used.

CE marking
The labeled devices comply with the regulations contained in the following European directives:

2014/30/EU (EMC)
Directive of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to electromagnetic compatibility.

2011/65/EU and 2015/863/EU (RoHS)
Directive of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

2014/34/EU (ATEX)
Directive of the European Parliament and the Council on the harmonisation of the laws of the Member States relating to equipment and protective systems intended for use in potentially explosive atmospheres.
Note: The ATEX directive applies exclusively to the device variants labeled with an ATEX certificate number, see “ATEX directive 2014/34/EU” on page 3.

In accordance with the above-named EU directives, the EU conformity declaration will be available to the relevant authorities at the following address:

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51
72654 Neckartenzlingen
Germany

You find the EU conformity declaration as PDF file for downloading on the Internet at:
https://www.doc.hirschmann.com/certificates.html

The device can be used in industrial environments.
Interference immunity: EN 61000-6-2
Emitted interference: EN 55032

Warning! This is a class A device. This device can cause interference in living areas, and in this case the operator may be required to take appropriate measures.

The assembly guidelines provided in these instructions must be strictly adhered to in order to observe the EMC threshold values.

UKCA marking
The labeled devices comply with the following UK regulations:

S.I. 2012 No. 3032
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronical Equipment Regulations

S.I. 2016 No. 1091
Electromagnetic Compatibility Regulations 2016

S.I. 2016 No. 1107
Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016
Note: The regulation applies exclusively to the device variants labeled with a UKEX certificate number: See “UK regulation S.I. 2016:1107 (as amended by S.I. 2019:696) – Schedule 3A, Part 6” on page 3.

UK
CA

The UKCA conformity declaration will be available to the relevant authorities at the following address:

Belden UK Ltd.
1 The Technology Centre, Station Road
Framlingham, IP13 9EZ, United Kingdom

You find the UKCA conformity declaration as PDF file for downloading on the Internet at:
https://www.doc.hirschmann.com/certificates.html

FCC note

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

AutoConfiguration Adapter
ACA11/ACA11-M12

U.S. Contact Information
Belden – St. Louis
1 N. Brentwood Blvd. 15th Floor
St. Louis, Missouri 63105, United States
Phone: 314.854.8000

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Recycling note
After usage, this device must be disposed of properly as electronic waste, in accordance with the current disposal regulations of your county, state, and country.

Technical questions
For technical questions, please contact any Hirschmann dealer in your area or Hirschmann directly. You find the addresses of our partners on the Internet at http://www.hirschmann.com.

A list of local telephone numbers and email addresses for technical support directly from Hirschmann is available at https://hirschmann-support.belden.com.

This site also includes a free of charge knowledge base and a software download section.

Customer Innovation Center
The Customer Innovation Center is ahead of its competitors on three counts with its complete range of innovative services:

Consulting incorporates comprehensive technical advice, from system evaluation through network planning to project planning.

Training offers you an introduction to the basics, product briefing and user training with certification. You find the training courses on technology and products currently available at https://www.belden.com/solutions/customer-innovationcenter.

Support ranges from the first installation through the standby service to maintenance concepts.

With the Customer Innovation Center, you decide against making any compromises in any case. Our client-customized package leaves you free to choose the service components you want to use.

Internet: https://www.belden.com/solutions/customer-innovation-center

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