

TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] Type Examination Certificate Number: **DEMKO 20 ATEX 2359X Rev. 0**

[4] Product: **Process Control Equipment – Models IS42#UCSCxyz, IS42#UCECxyz, IS42#UCSDxyz**

[5] Manufacturer: **GE Drives & Controls Inc.**

[6] Address: **1501 Roanoke Blvd., Salem, VA, 24153 USA**

[7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S 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 report no. **4789403519.1.1**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

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 of the specified product, and not to specific items of product subsequently manufactured.

[12] The marking of the product shall include the following:

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

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2020-03-20

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule

TYPE EXAMINATION CERTIFICATE No.

DEMKO 20 ATEX 2359X Rev. 0

[13]

[14]

[15]

Description of Product:

A standalone hardware platform utilizing a mCOM AMD dual or quad-core microprocessor to provide for a dedicated runtime and a Linux OS, hypervisor embedded Field Agent accessing cloud architecture through Predix.

Nomenclature:

Example:

| | | | |
|--------------------|---|---|---|
| IS420UCSC | H | 1 | A |
| Series Designation | x | y | z |

Series Designation

IS42#UCSC

IS42#UCEC

IS42#UCSD

= "0" for uncoated PWB and "1" for conformally coated PWB.

x- (Certification Type)

H: Standard Safety Certification

S: Additional Sil Certification

y – (Processor Type/Expansion Ethernet)

1: Quadcore CPU (only for models IS42#UCSC, & IS42#UCSD)

2: Dualcore CPU (only for models IS42#UCSC)

1: Additional PCIe board (only for models IS42#UCEC)

z- Any alpha character that represents customer software load.

Performance testing

The optical radiation output of the OLED display and status LEDs on the apparatus with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1) to the scope of EN 60079-28:2015 .

Temperature range:

| | |
|---------------------------|-------------------|
| Ambient temperature range | Temperature class |
| -40 °C to +70 °C | T4 |

Electrical data

| | | |
|--|-----------------------|---------------|
| Models | Nominal Input ratings | Voltage range |
| IS42#UCSCxyz IS42#UCECxyz IS42#UCSDxyz | 28VDC, 1.1A | 18-30Vdc |

Routine tests:

N/A

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17]

Special Conditions of Use:

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with EN 60079-0 and is only accessible with the use of a tool.

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.



The trademark

or

will be used as the company identifier on the marking label.