

TYPE EXAMINATION CERTIFICATE



- [2] **Equipment or Protective System intended for use
in Potentially Explosive Atmospheres
Directive 2014/34/EU**
- [3] Type Examination Certificate Number: **DEMKO 15 ATEX 1593X Rev. 2**
- [4] Product: **1756 Series Programmable Controllers**
- [5] Manufacturer: **Rockwell Automation/Allen-Bradley**
- [6] Address: **1201 South 2nd Street, Milwaukee, WI 53204 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. **4787856613-15ATEX1593X**
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0:2012+A11:2013 EN 60079-15:2010**
- 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 nA 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: 2015-12-17

Re-issued: 2017-03-30



Certification Body

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

TYPE EXAMINATION CERTIFICATE No.

DEMKO 15 ATEX 1593X Rev. 2

[13]

[14]

[15] Description of Product:

Catalog Number Note 1	Serie s	Description
1756-L71S	B	The LOGIX5572 SAFETY CONTROLLER WITH 2MB MEMORY. It is utilized along with the 1756-L7SP Safety Partner module as the system processor in control systems that are designed to provide SIL 3/CAT 4 level of functional safety.
1756-L72S	B	The LOGIX5572 SAFETY CONTROLLER WITH 4MB MEMORY. It is utilized along with the 1756-L7SP Safety Partner module as the system processor in control systems that are designed to provide SIL 3/CAT 4 level of functional safety.
1756-L73S	B	The LOGIX5572 SAFETY CONTROLLER WITH 8MB MEMORY. It is utilized along with the 1756-L7SP Safety Partner module as the system processor in control systems that are designed to provide SIL 3/CAT 4 level of functional safety.
1756-L73SXT	B	The LOGIX5572 SAFETY CONTROLLER WITH 8MB MEMORY. It is utilized along with the 1756-L7SPXT Safety Partner module as the system processor in control systems that are designed to provide SIL 3/CAT 4 level of functional safety.
1756-L7SP	B	The LOGIX557x Safety Partner is a coprocessor that provides an isolated second channel (redundancy) for safety-related functions in the system. The safety partner does not have a keyswitch or communication port. Its configuration and operation are controlled by the primary controller
1756-L7SPXT	B	The LOGIX557x Safety Partner is a coprocessor that provides an isolated second channel (redundancy) for safety-related functions in the system. The safety partner does not have a keyswitch or communication port. Its configuration and operation are controlled by the primary controller.
1756-SPESMNRM	B	The Energy Storage Module is a modular energy storage device to save the state of the controller at loss of power.
1756-SPESMNRMXT	B	The Energy Storage Module is a modular energy storage device to save the state of the controller at loss of power.
1756-SPESMNSE	B	The Energy Storage Module is a modular energy storage device to save the state of the controller at loss of power. This ESM does not have WallClockTime backup power.
1756-SPESMNSEXT	B	The Energy Storage Module is a modular energy storage device to save the state of the controller at loss of power. This ESM does not have WallClockTime backup power.

Note: Catalog Numbers may be followed by a 'K' to indicate a conformal coating option

The optical radiation output of the product 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:

The relation between ambient temperature and the assigned temperature class is as follows:

Catalog Number Note 1	Serie s	Ratings	Operating Temperature
1756-L71S	B	Backplane: 800mA @ 5.1Vdc, 5 mA @ 1.2V dc	0 °C < Ta < 60 °C
1756-L72S	B	Backplane: 800mA @ 5.1Vdc, 5 mA @ 1.2V dc	0 °C < Ta < 60 °C
1756-L73S	B	Backplane: 800mA @ 5.1Vdc, 5 mA @ 1.2V dc	0 °C < Ta < 60 °C
1756-L73SXT	B	Backplane: 800mA @ 5.1Vdc, 5 mA @ 1.2V dc	-25 °C < Ta < 70 °C
1756-L7SP	B	Backplane: 800mA @ 5.1Vdc, 5 mA @ 1.2V dc	0 °C < Ta < 60 °C
1756-L7SPXT	B	Backplane: 800mA @ 5.1Vdc, 5 mA @ 1.2V dc	-25 °C < Ta < 70 °C
1756-SPESMNRM	B	330mA @ 5.1V dc	0 °C < Ta < 60 °C

Schedule

TYPE EXAMINATION CERTIFICATE No.

DEMKO 15 ATEX 1593X Rev. 2

[13]

[14]

Catalog Number Note 1	Series	Ratings	Operating Temperature
1756-SPESMNRMXT	B	330mA @ 5.1V dc	-25 °C < Ta < 70 °C
1756-SPESMNSE	B	300mA @ 5.1V dc	0 °C < Ta < 60 °C
1756-SPESMNSEXT	B	300mA @ 5.1V dc	-25 °C < Ta < 70 °C

Note: Catalog Numbers may be followed by a 'K' to indicate a conformal coating option

[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:

- This equipment shall be mounted in an ATEX certified enclosure with a minimum ingress protection rating of at least IP54 (as defined in EN60529) and used in an environment of not more than Pollution Degree 2 (as defined in EN 60664-1) when applied in Zone 2 environments. The enclosure must be accessible only by the use of a tool.
- Provision shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140% of the rated voltage when applied in Zone 2 environments.
- This equipment must be used only with ATEX certified Rockwell Automation backplanes.
- Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.
- The instruction in the user manual shall be observed.

[18] Essential Health and Safety Requirements

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

Additional information

The trade name **Allen-Bradley** will be used as the company identifier on the marking label.

AB PLCs