[1] # TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

[3] Type Examination Certificate Number: **DEMKO 13 ATEX 1342963 X Rev. 0**

[4] Equipment: **Programmable Controllers – 1783 Series**

[5] Manufacturer: **Rockwell Automation / Allen-Bradley**

[6] Address: **1201 S. 2nd St. Milwaukee, WI 53204, USA**

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

[8] UL International Demko A/S certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of **Category 3** equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report no. **13CA42963**

[9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards:

EN 60079-0:2012 **EN 60079-15:2010**

[10] If the sign "**X**" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This Type examination certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

[12] The marking of the equipment or protective system shall include the following:

II 3 G Ex nA IIC T4 Gc

II 3 G Ex nA IIC T5 Gc

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product(s) described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Equipment Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Applicant. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The Applicant/Manufacturer are solely and fully responsible for conformity of all products 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: 2013-09-15

Certification Body
UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com

[13] **Schedule**

[14] **TYPE EXAMINATION CERTIFICATE No.**
DEMKO 13 ATEX 1342963 X Rev. 0
Report: 13CA42963

[15] Description of Equipment:
Modules 1783-ETAP, 1783-ETAP1F and 1783-ETAP2F are modular components of the Allen-Bradley ControlLogix industrial control system. The modules connect devices that do not support embedded switch technology to a linear or DLR network. The devices feature a port that does not support embedded switch technology, and either two copper network ports, one copper network port and one fiber network port, or two fiber network ports to connect to a linear or DLR network.

Temperature range

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

Module (see Note)	Ambient temperature range	Temperature class
1783-ETAP	-25℃ to +70℃	T5
1783-ETAP1F	-25℃ to +60 °C	T4
1783-ETAP2F	-25℃ to +60 °C	T4

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

Electrical data

Power from system backplane:

Module (see Note)	Rating
1783-ETAP	125mA, 20.4 to 27.6 Vdc, Class 2
1783-ETAP1F	200mA, 20.4 to 27.6 Vdc, Class 2
1783-ETAP2F	260mA, 20.4 to 27.6 Vdc, Class 2

Installation instructions
See drawing 1783-IN008C-EN-P.

[16] Descriptive Documents
Project Report No.: 13CA42963 (Hazardous Location Testing)

Drawings:

Description:	Drawing No.:	Rev. Level:	Date:
1783-ETAP BOM	10000047919	04	2009-02-23
1783-ETAP1F BOM	10000059482	04	2009-06-01
1783-ETAP2F BOM	10000059483	04	2009-06-01
Installation Instructions	1783-IN008C-EN-P	-	2011-04
Drawing GPMS, 1783-ETAP Labels	10000204801	03	2013-07-29
1783-ETAP2F Schematic Drawing (15 pages)	10000008008	03	2009-04-22
1783-ETAP1F Schematic Drawing (15 pages)	10000006720	03	2009-04-22
1783-ETAP Schematic Drawing (15 pages)	10000007800	07	2009-11-30
Base, 2 Port Switch (Enclosure Construction)	97787901	00	2009-05-07
Cover, Front, 2 Port Switch (Enclosure Construction)	97787801	00	2009-05-07
Latch R/L X-Logic	97764700	08	2010-10-11

[17] Special conditions for safe use:

- This equipment shall be mounted in an ATEX Zone 2 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.

[18] Essential Health and Safety Requirements
Met by compliance with the standards EN 60079-0:2012 and EN 60079-15:2010.