

[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 07 ATEX 0724242X Rev. 0**

[4]

Equipment: **Communications Module, Model 1794-OF8IH**

[5]

Manufacturer: **Rockwell Automation Inc.**

[6]

Address: **1201 S. 2nd Street, 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. **13NK06292**

[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

Certification Manager

Jan-Erik Storgaard

Certification Body

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: 2008-02-22

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Schedule
TYPE EXAMINATION CERTIFICATE No.
DEMKO 07 ATEX 0724242X Rev. 0
Report: 13NK06292

[13]

[14]

[15]

Description of Equipment:

Model 1794-OF8IH is an open-type microprocessor based programmable controller.

The optical radiation output of the apparatus with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 94/9/EC, is covered in this certificate.

Temperature range

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

Ambient temperature range	Temperature class
0 °C to +55 °C	T4

Electrical data

Input: 19.2 – 31.2Vdc, 450 mA
 FlexiBus 5VDC, 50 mA

Installation instructions

The backplane supply circuit for the modules described is only powered by the Allen-Bradley ControlLogix 1794 I/O rack system series regulated power supply modules due to the proprietary backplane connection design. Devices are to be used with RTB Terminals Part Number 1794-TB3.

Routine tests

Routine tests are not required.

[16]

Descriptive Documents

Project Report No.: 13NK06292 (Hazardous Location Testing)

Drawings:

Description:	Drawing No.:	Rev. Level:	Date:
Main Schematics	1700231-02	A0	2007-08-05
Output PCB Schematics	1700232-01	1.0	2007-06-21
BOM	A8100340-01	3	2007-08-09
Label Drawing	A9060063-08	A.0	2013-02-25
Installation Instructions	1794-IN120C-EN-P		2013-08

[17]

Special conditions for safe use:

- Provision shall be made to prevent the rated voltage being exceeded by the transient disturbances of more than 140% of the peak rated voltage.
- The system 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

[18]

Essential Health and Safety Requirements

Met by compliance with the standards EN 60079-0:2012 and EN 60079-15:2010.

