

TYPE EXAMINATION CERTIFICATE



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

Type Examination Certificate Number: **DEMKO 15 ATEX 1455X Rev. 10**

Product: **CompactLogix - 5069 Series Modules**

Manufacturer: **Rockwell Automation**

Address: **1201 South 2nd Street, Milwaukee, WI 53204 USA**

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

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. **4789273260.1.1**

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.

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.

This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

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: 2015-03-30

Re-issued: 2020-03-13

Certification Body

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

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Description of Product:

Module	Series	Description
5069-HSC2XOB4	A	The 5069-HSC2XOB4 is part of a modular programmable controller consisting of an adaptor or controller module with interconnectable I/O modules. This module provides a High-Speed Counter function in which it will count events in a process and provide outputs based upon the events. The module must be connected to an adapter or processor module to obtain operating power.
5069-AEN2TR	A	The 5069-AEN2TR is a modular component for use with the CompactLogix 5000 product line. It receives operating commands from an external controller over an Ethernet interface to operate various I/O modules attached to the expansion bus. It also provides a means of connecting MA power and SA I/O power to the various I/O modules.
5069-FPD	A	The 5069-FPD Field Power Distribution module interrupts Sensor/Actuator power of the system bus, on the left side of the FPD. The power supplied to the FPD creates a separate SA bus for system modules connected on the right side of the FPD.
5069-ARM	A	The 5069-ARM is part of a modular programmable controller consisting of an adaptor or controller module with interconnectable I/O modules. This module serves as a place holder to reserve an address in the system for future functionality with new modules. The module must be connected to an adapter or processor module to obtain operating power.
5069-L306ER	A	The 5069 processor module is a modular component for use with the CompactLogix 5000 product line. It acts as controller to operate various I/O modules attached to the expansion bus and has the ability to communicate over an Ethernet interface. It also provides a means of connecting MA power and SA I/O power to the various I/O modules. Modules differ in the amount of memory in 100Kbytes increments as designated by the two numbers following the L3 in model number. Models ending with the designation "M" have Motion Control as part of the firmware functionality. The module is provided with a 6 position and 4 position removable terminal blocks. Each terminal block is available in a spring clamp or screw plate terminal option.
5069-L306ERM	A	
5069-L310ER	A	
5069-L310ERM ; 9605-MRE013LAKT	A	
5069-L310ER-NSE	A	
5069-L320ER	A	
5069-L320ERP	A	
5069-L320ERM	A	
5069-L330ER	A	
5069-L330ERM	A	
5069-L340ER	A	
5069-L340ERP	A	
5069-L340ERM	A	
5069-L350ERM	A	
5069-L380ERM	A	
5069-L3100ERM	A	

Note: Catalog number may be followed by a 'K' to indicate a conformal coated option.

The above modules are for use with following terminal blocks (RTB):

Module	RTB
5069-AEN2TR	5069-RTB4-SCREW
5069-L306ER	5069-RTB6-SCREW
5069-L306ERM	5069-RTB4-SPRING
5069-L310ER	5069-RTB6-SPRING
5069-L310ERM	
9605-MRE013LAKT	
5069-L310ER-NSE	
5069-L320ER	
5069-L320ERP	
5069-L320ERM	
5069-L330ER	
5069-L330ERM	
5069-L340ER	
5069-L340ERP	
5069-L340ERM	
5069-L350ERM	
5069-L380ERM	
5069-L3100ERM	
5069-FPD	5069-RTB4-SCREW
	5069-RTB4-SPRING
5069-HSC2XOB4	5069-RTB18-SCREW
	5069-RTB18-SPRING

Modules are DIN rail mounted and form a backplane connection when mounted to each other. Modules are secured to each other through housing guide rails and DIN rail latches.

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.

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

Module	Series	Ambient Temperature Range	Temperature Class
5069-HSC2XOB4	A	0 °C to +60 °C	T4
5069-AEN2TR	A	0 °C to +60 °C	T4
5069-FPD	A	0 °C to +60 °C	T4
5069-ARM	A	0 °C to +60 °C	T4
5069-L306ER	A	0 °C to +60 °C	T4
5069-L306ERM	A	0 °C to +60 °C	T4
5069-L310ER	A	0 °C to +60 °C	T4
5069-L310ERM	A	0 °C to +60 °C	T4
9605-MRE013LAKT	A	0 °C to +60 °C	T4
5069-L310ER-NSE	A	0 °C to +60 °C	T4
5069-L320ER	A	0 °C to +60 °C	T4
5069-L320ERP	A	0 °C to +60 °C	T4
5069-L320ERM	A	0 °C to +60 °C	T4
5069-L330ER	A	0 °C to +60 °C	T4
5069-L330ERM	A	0 °C to +60 °C	T4
5069-L340ER	A	0 °C to +60 °C	T4
5069-L340ERP	A	0 °C to +60 °C	T4
5069-L340ERM	A	0 °C to +60 °C	T4
5069-L350ERM	A	0 °C to +60 °C	T4
5069-L380ERM	A	0 °C to +60 °C	T4
5069-L3100ERM	A	0 °C to +60 °C	T4

Note: Catalog number may be followed by a 'K' to indicate a conformal coated option.

Electrical data

Module	Series	Ratings
5069-HSC2XOB4	A	MP: 50 mA @ 18-32 VDC SA: 3A @ 18-32 VDC IN: 4 mA @ 18-32 VDC OUT: 1A @ 18-32 VDC
5069-AEN2TR	A	MOD Power: 450 mA @ 18...32V DC SA Power: 10 mA @ 0...32V DC 25 mA @ 0...125V AC, 47...63 Hz MOD Power (Passthrough): 9.55 A @ 18...32V DC SA Power (Passthrough): 9.99 A @ 0...32V DC 9.975 A @ 0...125V AC, 47...63 Hz
5069-FPD	A	SA Power: 0...32V DC @ 10 mA 0...125V AC @ 25 mA, 47...63 Hz MOD Power (Passthrough): 18...32V DC @ 9.55A SA Power (Passthrough): 0...32V DC @ 9.99A 0...125V AC, 9.975 A, 47...63 Hz
5069-ARM	A	MOD Power: 18...32V DC @ 45mA MOD Power (Passthrough): 18...32V DC @ 9.55A
5069-L306ER	A	MP Power: 18-32Vdc, 0.475A MP Power (Pass-Through): 18-32Vdc, 9.525A SA Power: 0-32Vdc, 0.01A 0-125Vac, 0.025A, 47-63Hz SA Power (Pass-Through): 0-32Vdc, 9.99A 0-125Vac, 9.975A, 47-63Hz
5069-L306ERM	A	
5069-L310ER	A	
5069-L310ERM	A	
9605-MRE013LAKT	A	
5069-L310ER-NSE	A	
5069-L320ER	A	
5069-L320ERP	A	
5069-L320ERM	A	
5069-L330ER	A	
5069-L330ERM	A	
5069-L340ER	A	
5069-L340ERP	A	
5069-L340ERM	A	
5069-L350ERM	A	
5069-L380ERM	A	
5069-L3100ERM	A	

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Routine tests:

None

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[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 EN 60529) 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.
- 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.
- Earthing is accomplished through mounting of modules on rail.

[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.