



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: IECEx CML 17.0047U Issue No: 1 Certificate history:  
Issue No. 1 (2018-12-17)  
Status: **Current** Page 1 of 4 Issue No. 0 (2017-09-14)  
Date of Issue: **2018-12-17**  
Applicant: **Rockwell Automation / Allen-Bradley**  
1201 South 2nd Street  
Milwaukee, WI 53204  
**United States of America**  
Ex Component: **Contact Block 800G-X\*\*\*-EX**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof, Increased safety**

Marking:

Ex db eb IIC Gb

$T_a = -55^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$  (16 A)

$T_a = -55^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$  (11 A)

$T_s = -55^{\circ}\text{C} \leq T_s \leq +85^{\circ}\text{C}$

Approved for issue on behalf of the IECEx  
Certification Body:

A Snowdon MIET

Position:

Certification Officer

Signature:  
(for printed version)

*A Snowdon*

Date:

December 18, 2018

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Certification Management Limited**  
Unit 1, Newport Business Park  
New Port Road  
Ellesmere Port, CH65 4LZ  
United Kingdom





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Manufacturer: **Rockwell Automation / Allen-Bradley**  
1201 South 2nd Street  
Milwaukee, WI 53204  
**United States of America**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex Component covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The Ex Component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-1 : 2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-7 : 2015** Explosive atmospheres – Part 7: Equipment protection by increased safety "e"  
Edition:5.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the Ex Component listed has successfully met the examination and test requirements as recorded in*

Test Report:

[GB/CML/ExTR17.0140/00](#)

[GB/CML/ExTR18.0168/00](#)

Quality Assessment Report:

[US/ETL/QAR12.0005/03](#)



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## Schedule

### Ex Component(s) covered by this certificate is described below:

The Contact Block 800G-X\*\*\*-EX is a built-in switch with two switching elements which can be separately operated. It is suitable for bottom or front mounting and serves as a control switch.

Refer to Annex for full description and the Schedule of Limitations.

### SCHEDULE OF LIMITATIONS:

The following conditions relate to safe installation and/or use of the equipment.

- i. The components are to be installed in an enclosure which meets the requirements of a recognised type of protection as specified in Section 1 of IEC 60079-0.
- ii. When the components are installed in an increased safety enclosure that complies with IEC 60079-7, the creepage and clearance distances shall comply with the requirements of Table 1.



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Issue 1

This issue introduced the following modification:

- i. To expand the table in the product description and to clarify the service temperature range.

### Annex:

[IECEx CML 17.0047U Iss 1 Certificate Annex.pdf](#)

Annexe to: IECEx CML 17.0047U Issue 1  
 Applicant: Rockwell Automation / Allen-Bradley  
 Apparatus: Contact Block 800G-X\*\*\*-EX



## Product Description

The Contact Block 800G-X\*\*\*-EX is a built-in switch with two switching elements which can be separately operated. It is suitable for bottom or front mounting and serves as a control switch.

Electrical Data				
Rated Insulation Voltage $U_i$	690 V			
Rated Operating Voltage $U_e$	400 V	400 V	110 V	24 V
Rated Operating Current $I_e$	16 A	10 A	0.5 A	1 A
Related to Utilization Category	AC-12	AC-15	DC-13	DC-13
Rated values differing from those stated above are permissible provided that the making and breaking capacities comply with the relevant regulations and such values have been specified by the manufacturer dependent on operating mode, utilization category, etc.				
Maximum Cross Section	2.5 mm <sup>2</sup>			
Service Temperature $T_s^*$	-55°C ≤ $T_s$ ≤ +85°C			
* Including self-heating rate, maximum ambient temperature and, if applicable, external heat.				
Conventional Thermal Current $I_{the}$				
For an ambient temperature up to 40°C	16 A (-55°C ≤ $T_a$ ≤ +40°C)			
For an ambient temperature up to 60°C	11 A (-55°C ≤ $T_a$ ≤ +60°C)			
Model Number				
Code Number	Type	800G	X**	* - Ex
		1	- 2	3 - -
1	Product Series	800G		
2	Contact Block/Latch Type	XB - Base Mount XLS - Latch Mount with Screw Termination		
3	Switch	A = 1 NO 1 NC M = 2 NO N = 2 NC		

## Conditions of Manufacture

There are no conditions of manufacture.





## Schedule of Limitations

The following conditions relate to safe installation and/or use of the equipment.

- i. The components are to be installed in an enclosure which meets the requirements of a recognised type of protection as specified in Section 1 of IEC 60079-0.
- ii. When the components are installed in an increased safety enclosure that complies with IEC 60079-7, the creepage and clearance distances shall comply with the requirements of Table 1.