



EC-TYPE-EXAMINATION CERTIFICATE (Translation)

Equipment and Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 94/9/EC**



(3) EC-type-examination Certificate Number:

PTB 01 ATEX 1040 U

Component: Switch Module and Control Circuit Switch Type 800G-XB*,
800G-XLS* and 800G-YB**

(5) Manufacturer: Rockwell Automation / Allen-Bradley

(6) Address: 1201 South Second Street, 53204 Milwaukee WI, USA

(7) This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 01-11076.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014:1997

EN 50018:1994

EN 50019:1994

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.

(11) This EC-type-examination Certificate relates only to the design and construction of the specified component in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this component.

(12) The marking of the component shall include the following:

 **II 2 G EEx de IIC**

Zertifizierungsstelle Explosionsschutz

Braunschweig, October 01, 2001

By order:


Dipl.-Phys. U. Mölkel

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EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

13)

SCHEDULE

14)

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15) Description of component

The switch module of type 800G-XB* and 800G-XLS* 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.

The control circuit switch of type 800G-YB** for bottom mounting is used as a main switch, as a control switch suitable for isolation, and as a motor switch; it is composed of two circuit modules with a single operating unit.

The connection is via the integrated terminals.

Technical data

Rated insulation voltage U_i ..	up to	690 V		
Rated operating voltage U_e ..	up to	400 V	400 V	24 V
Rated operating current I_e	max.	10 A	16 A	1 A
related to utilization category		AC-15	AC-12	DC-13

Rated values differing from those stated above are permissible provided the making and breaking capacity as laid down in the relevant regulations is complied with and such values have been specified by the manufacturer depending on operating mode, utilization category, etc.

Conventional thermal current I_{the}

for an ambient temperature up to 40 °C	max.	16 A
for an ambient temperature up to 60 °C	max.	11 A

Nominal cross-section	max.	4 x resp. 8 x 2.5 mm ² fine stranded 4 x resp. 8 x 4 mm ² single-core
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Number of contacts provided

for switch module:	2 break or make contacts resp. 1 make and 1 break contact
for control circuit switch:	2 break and 2 make contacts resp. 4 make contacts

Other combinations of switching elements and operation are possible.

Ambient temperature	- 55 °C to + 40 °C resp. + 60 °C
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The design of switch module and control circuit switch ensures thermal stability up to 85 °C. Switch module and control circuit switch can be used in the ranges of temperature class T6.

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(16) Test report PTB Ex 01-11076

(17) Special conditions for safe use

None;

Notes for manufacture and operation

The switch module and the control circuit switch are to be installed in an enclosure which meets the requirements of a recognized type of protection as specified in section 1.2 of EN 50014.

If the switch module or the control circuit switch is installed in an enclosure of the type of protection increased safety "e" in compliance with EN 50019, the clearances and creepage distances according to section 4.3, section 4.4 and table 1 must be complied with.

(18) Essential health and safety requirements

The tests carried out and their positive results show that the switch module and control circuit switch type 800G-XB*, 800G-XLS* and 800G-YB** complies with the requirements of Directive 94/9/EC and of the standards on the cover sheet.

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Braunschweig, October 01, 2001