

[1] **TYPE EXAMINATION CERTIFICATE**
(Translation)



[2] for electrical equipment of Equipment Group II, Equipment Category 3

[3] Type Examination Certificate Number: **IBExU08ATEXB002 X**

[4] Equipment: STATIX 2000 Switch
Type 1783-US*

[5] Manufacturer: Rockwell Automation Inc.

[6] Address: 1201 S 2nd Street
Milwaukee WI 53204
U.S.A.

[7] The design of the equipment mentioned under [4] and any acceptable variations thereto are specified in the schedule to this Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH certifies that the equipment mentioned under [4] has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive 94/9/EC.
The test results are recorded in the test report IB-07-4-018 of 12th February 2008.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006 and EN 60079-15:2005.

[10] If the sign „X“ is placed after the certificate number and/or marking under [12], it indicates that the equipment is subject to special conditions for safe use specified under [17] in the schedule to this Type Examination Certificate.

[11] This Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned under [4] shall include the following:

 **II 3G Ex nA II T4 X**

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7 - 09599 Freiberg, Germany
☎ +49 (0) 3731 3805-0 - ☎ +49 (0) 3731 23650

Freiberg, 12th February 2008

By Order

(Dr. Lösch)

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Institut für Sicherheitstechnik GmbH
An-Institut der TU Bergakademie Freiberg
Fuchsmühlenweg 7
09599 Freiberg, Germany
Tel. (0 37 31) 3805-0 Fax 23650

- Stamp -

Certificates without signature and stamp are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Schedule

[13] **Schedule**

[14] **to the TYPE EXAMINATION CERTIFICATE IBExU08ATEXB002 X**

[15] **Description of equipment**

The Series STRATIX 2000 Switch type 1783-US* served the connection separate Ethernet network. Some types contain else a media converter for the external connection to a fibre optic Ethernet. The equipment is provided for use in potentially hazardous areas which require category 3G of operating supplies.

Catalogue number	Description
Rockwell Automation	
1783-US03T01F	Waveline 3 RJ45, 1 fiber (LC connector); PnP Industrial Switch
1783-US05T	Waveline 5 RJ45; PnP Industrial Switch
1783-US06T01F	Waveline 6 RJ45, 1 fiber (LC connector); PnP Industrial Switch
1783-US08T	Waveline 8 RJ45; PnP Industrial Switch

Ambient temperature range: 0 °C to +60 °C
Degree of protection of the enclosure: ≥ IP 20

Electrical data

Rated voltage: 10 - 35 V DC / 10 - 24 V AC; 47...63 Hz
power demand: ≤ 4 W / 6 VA

[16] **Test report**

The Test results are recorded in the Test Report IB-07-4-018. The test documents are part of the test report and listed there.

Summary

The Series STRATIX 2000 Switch type 1783-US* fulfills the requirements of explosion protection on an associated apparatus for the Equipment Group II and Category 3G in type of protection non-sparking apparatus.

[17] **Special conditions for safe use**

- The ambient temperature range is regulated from 0 °C to +60 °C.
- At erection within the hazarded area zone 2 (require equipment of the category 3), the STRATIX 2000 Switch must built in meet the requirements on the EN 60079-15 (at least IP54) this one into enclosures.
- Do not disconnect equipment unless power has been removed or the area is known to be non hazardous.
- Secure any external connections that mate to this equipment by using screws, sliding latches, threaded connectors, or other means provided with this product.

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9])

By Order



(Dr. Lösch)

Freiberg, 12th February 2008