



# DET NORSKE VERITAS

## TYPE EXAMINATION CERTIFICATE

- [2] EQUIPMENT INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC
- [3] Type Examination Certificate Number: **DNV 11 ATEX 94277U**
- [4] Equipment: **Industrial Computer Type 6181X-N....DC.**
- [5] Applicant – Manufacturer or Authorized representative: **Rockwell Automation Inc.**
- [6] Address: **1201 S. 2nd Street  
Milwaukee, WI 53204 USA**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV certifies that this component 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 given in Annex II to the Directive.
- The examination and test results are recorded in confidential reports listed in section 14.
- [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:  
**EN 60079-0: 2009, EN 60079-15: 2005 and EN 60079-31: 2009**
- [10] The sign 'U' placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- [11] This TYPE EXAMINATION CERTIFICATE relates only to the design, examinations and tests of the specified equipment. If applicable, further requirements of this Directive may apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- [12] The marking of the equipment shall include the following:



II 3 GD

Ex nA IIC Gc

Ex tc IIIC Dc

Høvik, 2011-03-29  
for Det Norske Veritas AS

Marianne Spæren  
*Certification Manager*



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures)

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

## Schedule

[14] **TYPE EXAMINATION CERTIFICATE No.:** DNV 11 ATEX 94277U

### Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2011-9177	2011-03-29

[15] **Description of Equipment:**

The industrial computer type 6181X-N...DC or type 6181X-N...DCX are electronic devices for data processing. The "X" suffix indicates products that have been reconditioned by the manufacturer for warranty replacements. Other dots are replaced by letters defining software version.

Each version comprises of printed circuit boards and a face provided with connectors

These industrial computers are designed to be supplied with 18-32 VDC SELV.

The internal temperature rise of the components is less than 65K above Tamb. This is suitable for a T4 / T135°C designation based on Tamb = -20°C to +70°C.

### Type Identification

6181X-N...DC  
6181X-N...DCX

### Electrical Data

U (rated voltage) : 18-32 VDC SELV  
I (rated current) : 2.46 – 1.34A  
Rated Power : 45W

[16] **Project No:** PRJC-293025-2011-PRC-USA

### Descriptive documents

Number	Title	Date
TF-ATEX-6181X-N	ATEX Certification Technical File – Industrial Computers for Hazardous Locations – Model 6181X-N followed by suffixes (Including Annexes 1-18)	2010-08-11

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

1. For equipment category 3G, the industrial computer shall be installed in an enclosure providing a minimum degree of protection of IP54. For equipment category 3D, a minimum protection of IP6x is required.
2. The user shall refer to the instructions given in the instruction manual.
3. The power supply cable, the USB ports, PS/2 port, Ethernet port, serial COM cable, and the keyboard must not be disconnected while the circuit is live.

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

See part 9 of this certificate

END OF CERTIFICATE

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.