



Prüf- und Zertifizierungsstelle

ZELM Ex



(1) **EC-TYPE-EXAMINATION CERTIFICATE**

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

(3) EC-TYPE-EXAMINATION CERTIFICATE Number:

ZELM 07 ATEX 0331 U

(4) Equipment: **ABB HMI Type B AU3048**

(5) Manufacturer: **ABB SACE SpA**

(6) Address: **Via Statale 113, 22016 Lenno (Como), Italy**

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

(8) The Prüf- und Zertifizierungsstelle ZELM Ex, notified body No 0820 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 ZELM Ex 0080717515

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

EN 60079-0:2004

EN 50020:2002

EN 60079-15:2005

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this Certificate.

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



II 1G Ex ia IIC T6

II 3G Ex nL IIC T6

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Braunschweig, March 30, 2007


Dipl.-Ing Harald Zelm

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EC-type-examination Certificates without signature and stamp are not valid. The certificates may only be circulated without alteration. Extracts or alterations are subject to approval by the Prüf- und Zertifizierungsstelle ZELM Ex. This English version is based on the German text. In the case of dispute the German text shall prevail.



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SCHEDULE

(13)

(14) EC-TYPE-EXAMINATION CERTIFICATE ZELM 07 ATEX 0331 U

(15) Description of equipment

The ABB HMI Type B AU3048 Integral Display is intended for completely fitting within the enclosure of the 2600T Series Pressure Transmitter Model 364. The equipment is supplied directly from the secondary electronic of the Transmitter. The classification of the Temperature Class and the permissible ambient temperature range is to be taken from the Table 1

Tabelle 1

Temperature Class	Lower limit of ambient temperature	Upper limit of ambient temperature
T4	- 50°C	+ 85°C
T5	- 50°C	+ 55°C
T6	- 50°C	+ 40°C

Electrical data

Supply and signal circuit

in type of protection Intrinsic Safety Ex ia IIC
only for connection to certified intrinsically safe circuits

maximum values:

$$U_i = 9 \text{ V}$$

$$I_i = 65,2 \text{ mA}$$

$$P_i = 101 \text{ mW}$$

effective internal capacitance $C_i = 342 \text{ nF}$

effective internal inductance is negligibly small

References

The marking of the equipment may additionally contain following specification

II 3G Ex nL IIC T6

since the relevant requirements of the EN 60079-15:2005 are considered.

The potentially use according to the Category 1D, 2D and 3D is subject of the approval of the complete device if applicable.

(16) Report No.

ZELM Ex 0080717515

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Schedule to EC-TYPE-EXAMINATION CERTIFICATE ZELM 07 ATEX 0331 U

- (17) Special conditions for safe use
not applicable
- (18) Essential Health and Safety Requirements
met by standards

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Braunschweig, March 30, 2007


Dipl.-Ing. Harald Zelm



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