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AC 038



Główny Instytut Górnictwa
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This certificate and its
schedules may only be
reproduced in its entirety and
without change

PC/CM-ATEX-01/ExXen
Edition 01/2015

[1] **EC-TYPE EXAMINATION CERTIFICATE**



[2] Equipment, protective systems and components intended for use in
potentially explosive atmospheres - Directive 94/9/EC

[3] EC – type examination certificate:

KDB 16ATEX0006

[4] Equipment:

Display type WW-11ALW

[5] Manufacturer:

APLISENS S.A.

[6] Address:

ul. Morelowa 7, 03-192 Warszawa, POLAND

[7] This equipment and any acceptable variation thereto is specified in the schedule to this
certificate and the documents therein referred to.

[8] Główny Instytut Górnictwa, Notified Body number 1453 in accordance with Article 9 of
Directive 94/9/EC of 23 March 1994, certifies that this equipment and protective system 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 confidential report
KDB No. 16.010 [T-7345]


[9] Compliance with the Essential Health and Safety Requirements has been assured by
compliance with:

EN 60079-0:2012 + A11:2013; EN 60079-11:2012

[10] If the sign „X“ is placed after the certificate number, it indicates that the equipment or
protective system 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 and construction of the
specified equipment and protective system in accordance with Directive 94/9/EC.
Further requirements of the Directive may 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 2G Ex ia IIC T4 Gb**
II 1D Ex ia IIIC T110°C Da

**Specjalista ds. Certyfikacji
Urządzeń Przewodzących**

dr inż. Michał Górny



**KIEROWNIK
Zespołu Certyfikacji WYROBÓW
KD „BARBARA” Mikołów**
dr hab. inż. Krzysztof Cybulski, prof. GIG

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SCHEDULE

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EC-Type Examination Certificate KDB 16ATEX0006

[15] Description:

Display type WW-11ALW is designed for digital display of physical quantities converted into a standard current signal $4 \div 20\text{mA}$. Display WW-11ALW consists of a closed casing made of aluminium alloy and the electronic unit and the terminal block placed inside. The display works with the transmitter and is included in the series with feeder-measuring line of transmitter $4 \div 20\text{mA}$.

Technical parameters:

Input signal: $4 \div 20\text{mA}$
Working voltage max: 6V
Ambient temperature: $-50 \div 75^\circ\text{C}$
Degree of protection: IP66

Intrinsic safety parameters:

- Source with linear characteristic:

$U_i = 30\text{ V}; I_i = 0,1\text{ A}; P_i = 0,75\text{ W}; L_i = 0; C_i = 25\text{ nF}$

$U_o = U_i; I_o = I_i; P_o = P_i$ (output parameters correspond to the parameters of the source circuit which WW-11ALW is connected to)

- Source with trapezoidal characteristic:

$U_i = 24\text{V}; I_i = 50\text{mA}; P_i = 0,6\text{W}; L_i = 0; C_i = 25\text{nF}$

$U_o = U_i; I_o = I_i; P_o = P_i$ (output parameters correspond to the parameters of the source circuit which WW-11ALW is connected to)

- Source with rectangular characteristic:

$U_i = 24\text{V}; I_i = 50\text{mA}; P_i = 1,2\text{W}; L_i = 0; C_i = 25\text{nF}$

$U_o = U_i; I_o = I_i; P_o = P_i$ (output parameters correspond to the parameters of the source circuit which WW-11ALW is connected to)

[16] Test report:

Sprawozdanie KDB Nr 16.010

[17] Special conditions for safe use:

Not applicable

[18] Essential health and safety requirements:

Met by compliance with standards listed below:

EN 60079-0:2012 + A11:2013 (PN-EN 60079-0:2013-03 + A11:2014-03);

EN 60079-11:2012 (PN-EN 60079-11:2012);