

# CERTIFICATE

## (1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 11ATEX0126 X** Issue Number: **2**

(4) Product: **Surge Arrester, Type HAW562-8DA**

(5) Manufacturer: **Endress+Hauser Wetzler GmbH+Co. KG**

(6) Address: **Obere Wank 1, 87484 Nesselwang, Germany**

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

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR11.0040/01.

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

**EN 60079-0 : 2012**

**EN 60079-11 : 2012**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



**II 2 (1) G Ex ia [ia Ga] IIC T6 ... T4 Gb**

Date of certification: 11 July 2016

DEKRA Certification B.V.

R. Schuller  
Certification Manager

Page 1/3



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 11ATEX0126**

Issue No. 2

(15) **Description**

Surge Arrester, Type HAW562-8DA serves to limit occasional surge voltages in intrinsically safe circuits.

Ambient temperature range:

-40 °C to +50 °C for temperature class T6

-40 °C to +75 °C for temperature class T5

-40 °C to +80 °C for temperature class T4

**Electrical data**

Module input circuits (terminals X1, X2, X3 and X4):

in type of protection intrinsic safety Ex ia IIC, for connection to a certified intrinsically safe circuit, with the following maximum values:

$U_i = 30 \text{ V}$ ;  $I_i = 500 \text{ mA}$ ;  $P_i = \text{any}$ ;  $C_i = 0 \text{ nF}$ ;  $L_i = 0 \text{ mH}$ ;

or in type of protection intrinsic safety Ex ia IIC for connection to a certified intrinsically safe circuit or a circuit in accordance with FISCO, with the following maximum values:

$U_i = 17.5 \text{ V}$ ;  $I_i = 380 \text{ mA}$ ;  $P_i = 5.32 \text{ W}$ ;  $C_i = 0 \text{ nF}$ ;  $L_i = 0 \text{ }\mu\text{H}$ .

Module output circuits terminals X1', X2', X3' and X4'):

The values of  $U_o$ ,  $I_o$  and  $P_o$  are determined by the parameters of the circuit(s) to which Surge Arrester, Type HAW562-8DA is connected.

**Installation instructions**

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR11.0040/01.

(17) **Specific conditions of use**

For ambient temperature range, see (15).

The dielectric strength of at least 500 V of the intrinsically safe circuits of Surge Arrester, Type HAW562-8DA is limited only by the overvoltage protection. Terminals X3, X4, X3' and X4' are considered to be connected to earth.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR11.0040/01.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 11ATEX0126**

Issue No. **2**

(20) **Certificate history**

Issue 1 -	project no. 214330000	initial certificate
Issue 2 -	project no. 217585000/3	EN 60079-0 and EN 60079-11 updated, EN 60079-26 and EN 60079-27 removed