

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 11ATEX0079 X** Issue Number: **3**

(4) Product: **Surge Arrester, Type HAW569-DA2B**

(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/ExTR11.0025/02.

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

EN IEC 60079-0 : 2018

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: 17 July 2023

DEKRA Certification B.V.

R. Schuller
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 11ATEX0079 X**

Issue No. 3

(15) **Description**

Surge Arrester, Type HAW569-DA2B serves to limit occasional surge voltages in intrinsically safe circuits.

Ambient temperature range:

-40 °C to +55 °C for temperature class T6

-40 °C to +70 °C for temperature class T5

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

Electrical data

Input circuit (Terminals X1.1, X1.2 and cable W1 (red), W2 (black)):

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

$U_i = 30 \text{ V}$; $I_i = 500 \text{ mA}$; $C_i = 0 \text{ nF}$; $L_i = 0 \text{ }\mu\text{H}$;

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:

$U_i = 17,5 \text{ V}$; $I_i = 380 \text{ mA}$; $P_i = 5,32 \text{ W}$; $C_i = 0 \text{ nF}$; $L_i = 0 \text{ }\mu\text{H}$.

Installation instructions

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

(16) **Report Number**

No. NL/DEK/ExTR11.0025/02.

(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 HAW569-DA2B is limited only by the overvoltage protection.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR11.0025/02.

(20) **Certificate history**

Issue 1 - project no. 214330000 initial certificate

Issue 2 - project no. 217585000/1 Updated to new editions of the standards, EN 60079-26 and EN 60079-27 removed

Issue 3 - project no. 227563200/1 Updated to new edition of EN IEC 60079-0