



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx DEK 11.0047X**

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Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2016-07-11\)](#)

[Issue 0 \(2011-05-10\)](#)

Date of Issue: 2023-08-30

Applicant: **Endress+Hauser Wetzler GmbH+Co. KG**  
Obere Wank 1  
87484 Nesselwang  
Germany

Equipment: **Surge Arrester, Type HAW562-8DA**

Optional accessory:

Type of Protection: **Ex i**

Marking: **Ex ia [ia Ga] IIC T6 ... T4 Gb**

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2023-08-23

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051  
6825 MJ Arnhem  
Netherlands





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Manufacturer: **Endress+Hauser Wetzer GmbH+Co. KG**  
Obere Wank 1  
87484 Nesselwang  
Germany

Manufacturing  
locations: **Endress+Hauser Wetzer GmbH+Co.  
KG**  
Obere Wank 1  
87484 Nesselwang  
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR11.0040/02](#)

Quality Assessment Report:

[DE/TUN/QAR06.0009/11](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

## Electrical data

Surge Arrester, Type HAW562-8DA in type of protection intrinsic safety Ex ia IIC.

The level of protection "ia" or "ib" and the apparatus group (IIC or IIB or IIA) is determined by the intrinsically safe circuit(s) in which the Surge Arrester, Type HAW562-8DA is placed.

Module input circuits:

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

or 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:

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

## SPECIFIC CONDITIONS OF USE: YES as shown below:

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

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.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Assessed per IEC 60079-0 Ed. 7