

Translation

# EU-Type Examination Certificate Supplement 2

Equipment intended for use in potentially explosive atmospheres  
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 06 ATEX E 092 X**

Product: **Vibrations-Grenz-Schalter type VEGAWAVE WE6(\*)\*\* \* \* \* \* \***

Manufacturer: **VEGA Grieshaber KG**

Address: **Am Hohenstein 113, 77761 Schiltach, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 06 ATEX E 092 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 the confidential Report No. BVS PP 06.2081 EU.

The Essential Health and Safety Requirements are assured in consideration of:


EN IEC 60079-0:2018                      **General requirements**  
EN 60079-31:2014                      **Protection by Enclosure "t"**

Except in respect of those requirements listed under item 18 of the appendix.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

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.

The marking of the product shall include the following:

 II 1D Ex ta IIIC T\* Da  
II 1/2D Ex ta/tb IIIC T\* Da/Db  
II 2D Ex tb IIIC T\* Db  
IP66                      \*see manual

DEKRA Testing and Certification GmbH  
Bochum, 2019-04-15

Signed: Jörg-Timm Kilisch

Managing Director



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This certificate may only be reproduced in its entirety and without any change.

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48040-EN-190415





### 15.3 Parameters

#### 15.3.1 Electrical data

##### 15.3.1.1 Type VEGAWAVE WE6\*(\*)GX\*\*\*C\*\*\* with electronics insert WE60C built in

supply voltage	DC/AC	20...253	V
output contactless switch			
current	<	5	mA
load current	min.	10	mA
	max.	400	mA
Maximum short circuit current	$I_{cn}$	100	A

##### 15.3.1.2 Type VEGAWAVE WE6\*(\*)GX\*\*\*R\*\*\* with electronics insert WE60R built in

supply voltage	AC	20...253	V (3A)
or	DC	20... 72	V
power consumption		1..8	VA / max. 1.6 W
relay circuit			
max. values:		253 V, 3 A, 500	VA
		253 V, 1 A, 41	W
Maximum short circuit current	$I_{cn}$	100	A

##### 15.3.1.3 Type VEGAWAVE WE6\*(\*)GX\*\*\*T\*\*\* with electronics insert WE60T built in

supply voltage	DC	10...55	V
power consumption	max.	0.5	W
load current	max.	400	mA
Maximum short circuit current	$I_{cn}$	100	A

##### 15.3.1.4 Type VEGAWAVE WE6\*(\*)GX\*\*\*Z\*\*\* with intrinsically safe electronics insert WE60Z built in Supply and signal circuit

in type of protection Intrinsic Safety Ex ia IIC  
only for connection to a certified intrinsically safe circuit with the following maximum values:

$U_i$	=	30	V
$I_i$	=	131	mA
$P_i$	=	983	mW

effective internal capacitance negligible  
effective internal inductance negligible

##### 15.3.1.5 Type VEGAWAVE WE6\*(\*)GX\*\*\*N\*\*\* with intrinsically safe electronics insert WE60N built in Supply and signal circuit

in type of protection Intrinsic Safety Ex ia IIC/IIB  
or Ex ib IIC/IIB  
only for connection to a certified intrinsically safe circuit with the following maximum values:

$U_i$	=	20	V
$I_i$	=	103	mA
$P_i$	=	516	mW

effective internal capacitance negligible  
effective internal inductance  $L_i < 5 \mu\text{H}$





18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

For this product the standard EN IEC 60079-0:2018 is equivalent to the harmonized standard EN 60079-0:2012 + A11:2013 in terms of safety.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH  
Bochum, 2019-04-15  
BVS-Hor/Mu A20180354

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Managing Director





