

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: **KEMA 10ATEX0071 X** Issue Number: **4**

(4) Product: **Universal Converter, Type ACT20X-HUI-SAO-S, Type ACT20X-HUI-SAO-P and Type ACT20X-LV-HUI-SAO-S**

(5) Manufacturer: **Weidmüller Interface GmbH**

(6) Address: **Klingenbergsstraße 16, 32758 Detmold, 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/KEM/ExTR10.0028/03.

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

EN IEC 60079-0 : 2018

EN 60079-11 : 2012

EN IEC 60079-15 : 2019

EN 60079-7 : 2015 + A1 : 2018

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 (1) G [Ex ia Ga] IIC/IIB/IIA
II (1) D [Ex ia Da] IIIC
I (M1) [Ex ia Ma] I**

Date of certification: 31 October 2022

DEKRA Certification B.V.

A handwritten signature in blue ink, appearing to read 'R. Schuller'.

R. Schuller
Certification Manager

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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 10ATEX0071 X** Issue No. 4

(15) **Description**

Universal Converters, Type ACT20X-HUI-SAO-S, Type ACT20X-HUI-SAO-P, Type ACT20X-LV-HUI-SAO-S for rail mounting, are 24 V powered isolating barriers, interfacing temperature sensors and loop supplied transmitters located in a hazardous area.

The outputs to safe area are a 0/4 ... 20 mA current signal and a normally open relay contact.

Ambient temperature range -20 °C to +60 °C.

Marking

The equipment marking may additionally include the code II 3 G Ex ec nC IIC T4 Gc.

Electrical data

For details see Annex 1 to NL/KEM/ExTR10.0028/03.

Installation instructions

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

(16) **Report Number**

No. NL/KEM/ExTR10.0028/03.

(17) **Specific conditions of use**

The Universal Converter shall be installed in a controlled environment with suitable reduced pollution, limited to pollution degree 2 or better.

The non-intrinsically safe circuits may only be connected to an overvoltage category I or II power source, as defined in EN 60664-1.

If the Universal Converter is installed in an explosive atmosphere where equipment protection level Gc is required, it shall be installed in a suitable enclosure, providing a degree of protection of at least IP54 according to EN IEC 60079-0.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/KEM/ExTR10.0028/03.

(20) **Certificate history**

Issue 1 - 213384400	Initial certificate
Issue 2 - 216740400	Update to latest standards
Issue 3 - 223250800	Addition of type ACT20X-HUI-SAO-P and removal of EN 60079-26
Issue 4 - 226311500	Assessment per latest standard editions