

# (1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in  
Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

**TÜV 04 ATEX 7064**

Issue: 02

- (4) Equipment: **H 6200A / HART - isolating amplifier Si, (Ex)i**
- (5) Manufacturer: **HIMA Paul Hildebrandt GmbH**
- (6) Address: **Albert-Bassermann-Str. 28  
68782 Brühl, Germany**

- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26<sup>th</sup> February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex7064.02/04

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

**EN IEC 60079-0: 2018**

**EN 60079-11: 2012**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



**II (1) G [Ex ia Ga] IIB/IIC**



**II (1) D [Ex ia Da] IIIC**

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2024-04-29

Dipl.-Ing. Christian Mehnhoff



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## Annex

(14)

# EU Type Examination Certificate

## TÜV 04 ATEX 7064

Issue: 02

(15) Description of equipment

### 15.1 Equipment and type:

H 6200A / HART - isolating amplifier Si, (Ex)i

### 15.2 Description / Details of Change

#### General product information

The electronic device "H 6200A / HART - isolating amplifier Si, (Ex)i" is a single isolating amplifier with a transmitter circuit (transmitter circuit and test circuit). It is designed as a terminal module.

#### Details of Change

Standard update to EN IEC 60079-0: 2018 and EN 60079-11: 2012.

#### Technical Data

#### Power supply:

24V DC (20 ... 30 V)  $U_m \leq 250$  V AC / 125 V DC

Terminals +: 1, 2 (L+); 7, 8 (L-)

#### Intrinsic safe output circuits:

3-wire-transmitter (terminals 19, 20 and 21)	2-wire-transmitter (terminals 19 and 21)	Test circuit (terminals 20 and 21)
$U_{o1} = 27.9$ V	$U_{o1} = 27.9$ V	$U_{o1} = 6.0$ V
$I_{o1} = 107.7$ mA	$I_{o1} = 91.9$ mA	$I_{o1} = 2.25$ mA
$P_{o1} = 752$ mW	$P_{o1} = 641$ mW	$P_{o1} = 3.4$ mW
Linear output	Linear output	Linear output

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The maximum permissible values of the external capacitance and inductance are shown in the following table. The table is valid if capacitance **or** inductance is connected:

IIB / IIIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>
9 mH	654 nF	13 mH	654 nF	1 H	1000 uF

IIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>
1.2 mH	84 nF	2 mH	84 nF	1 H	40 uF

The maximum permissible values of mixed external capacitance and inductance are shown in the following table. The table is valid if capacitance **and** inductance are connected:

IIB / IIIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>
9 mH	240 nF	10 mH	250 nF	100 mH	7.1 uF

IIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>	L <sub>o</sub>	C <sub>o</sub>
0.16 mH	83 nF	1 mH	49 nF	100 mH	1.5 uF

Ambient temperature range:  
 -25°C to +60°C

(16) Test-Report No. 557/Ex7064.02/04

(17) Special Conditions for safe use

None



(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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