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

Certificate No.:	**IECEx UL 19.0056X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2019-10-29		
Applicant:	**Weidmüller Interface GmbH & Co. KG** Klingenbergstrasse 26 Detmold 32758 **Germany**		
Equipment:	**Analogue Signal Converter Isolator, ACT20P series**		
Optional accessory:			
Type of Protection:	**Increased Safety "ec"**		
Marking:	Ex ec IIC T6 Gc -20 °C ≤ Tamb ≤ +60 °C		

Approved for issue on behalf of the IECEx Certification Body: **Katy A. Holdredge**

Position: **Senior Staff Engineer**

Signature: (for printed version)

Date: 2019-10-29

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2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

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Manufacturer:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 26
Detmold 32758
Germany

Additional manufacturing locations:

Weidmuller Interface (Shanghai) Co., Ltd.
63A No. 101 HanCheng Rd.
Free Trade Zone
Shanghai, 200131
P. R. China
China

Shanghai Chenzhu Instrument Co., Ltd
Floor 7-8
Building 6, No. 201
Minyi Road
Songjiang District
Shanghai, 201612 P.R.
China

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 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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:

US/UL/ExTR19.0064/00

Quality Assessment Reports:

CN/CQM/QAR10.0001/06 CN/NEP/QAR18.0011/00 NL/DEK/QAR12.0052/06

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

These devices are considered Open-Type Analogue Signal Converter, which can connect with current or voltage source signal. The signal 0/4 -20mA or 0-5/10V is isolated and transferred through output side.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:
• The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0 and only accessible by use of a tool.
• The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.
• Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.

Annex:

Annex to IECEx UL 19.0056X Issue 0.pdf

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TYPE DESIGNATION

Nomenclature:

ACT20P	-	2CI	-	2CO	-	ILP	-	P
1		2		3		4		5

1: Product series:
ACT20P

2: Input signal:
CI: Type with one channel of 0/4~20mA current input
2CI: Type with two channels of 0/4~20mA current input
CI1: Type with one channel of 0~20mA current input
Cl2: Type with one channel of 4~20mA current input
VI1: Type with one channel of 0~5V voltage input
VI: Type with one channel of 0~10V voltage input

3: Output signal:
CO: Type with one channel of current output
2CO: Type with two channels of current output

4: Current loop type:
ILP: Input current loop power type
OLP: Output current loop power type

5: Input/Output connector type:
S: Type with screw connector
P: Type with push-in connector

PARAMETERS RELATING TO THE SAFETY

Electrical Ratings:

Model	Supply	Input Rating	Input Signal	Output Rating
ACT20P-2CI-2CO-ILP-P ACT20P-2CI-2CO-ILP-S ACT20P-CI-CO-ILP-P ACT20P-CI-CO-ILP-S	12-30Vdc, input current loop	0/4~20 mA	current source	0/4~20 mA
ACT20P-CI1-CO-OLP-P ACT20P-CI1-CO-OLP-S	12-30Vdc, output current loop	0~20 mA	current source	4~20 mA
ACT20P-CI2-CO-OLP-P ACT20P-CI2-CO-OLP-S ACT20P-CI-2CO-OLP-P ACT20P-CI-2CO-OLP-S	12-30Vdc, output current loop	4~20 mA	current source	4~20 mA
ACT20P-VI1-CO-OLP-P ACT20P-VI1-CO-OLP-S	12-30Vdc, output current loop	0~5 V	Voltage source	4~20 mA
ACT20P-VI-CO-OLP-P ACT20P-VI-CO-OLP-S	12-30Vdc, output current loop	0~10 V	Voltage source	4~20 mA

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Bar code drawing for whole series:

Part_1 : BarCode of 'Part_2';

Part_2 : P + 2-Bit(Manufacture Year) + 6-bit(Random non-repetitive pipeline code);

Part_3 : Unique Manufacture code associated with product model;

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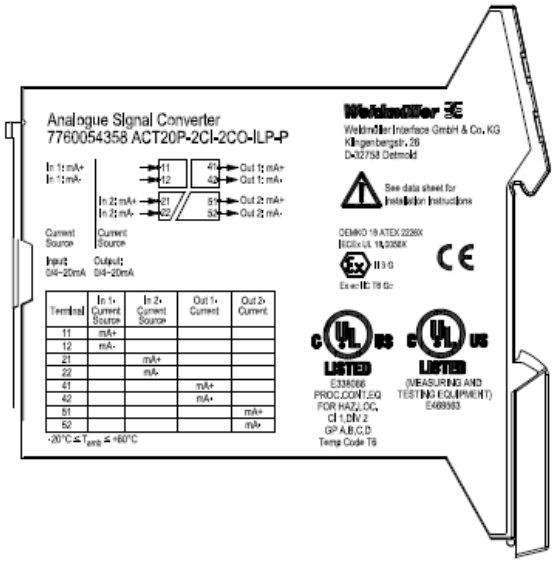
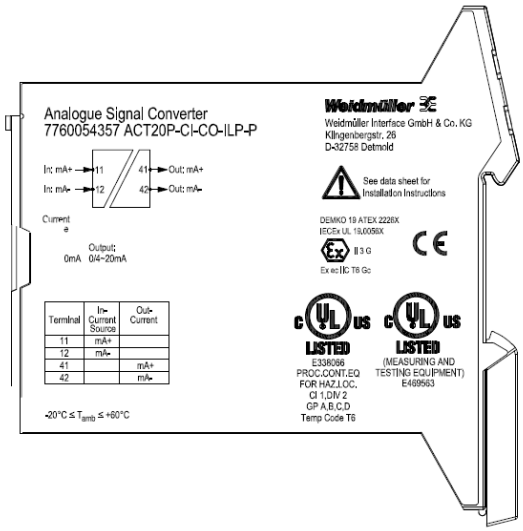
Sample Label	Represent Models
	ACT20P-2CI-2CO-ILP-P ACT20P-2CI-2CO-ILP-S
	ACT20P-CI-CO-ILP-P ACT20P-CI-CO-ILP-S

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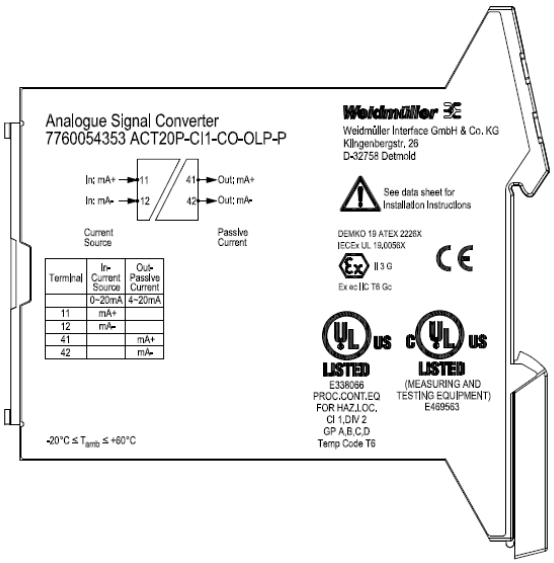
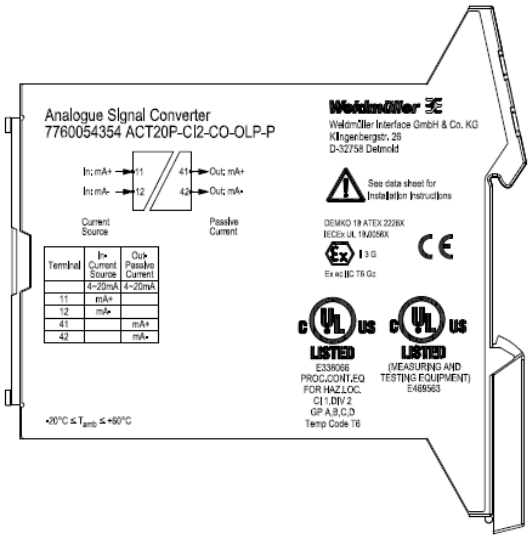
	ACT20P-CI1-CO-OLP-P ACT20P-CI1-CO-OLP-S
	ACT20P-CI2-CO-OLP-P ACT20P-CI2-CO-OLP-S

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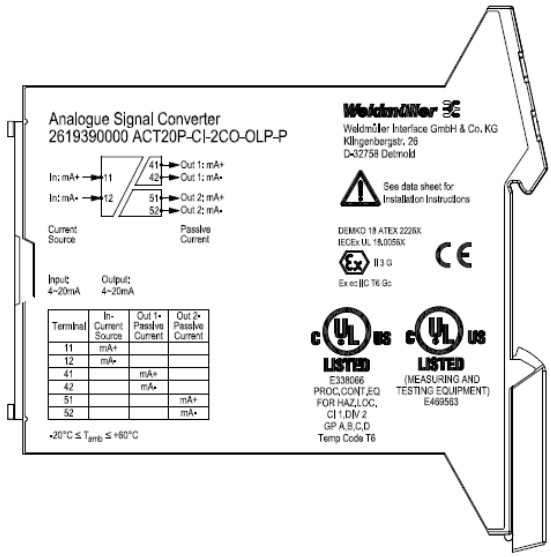
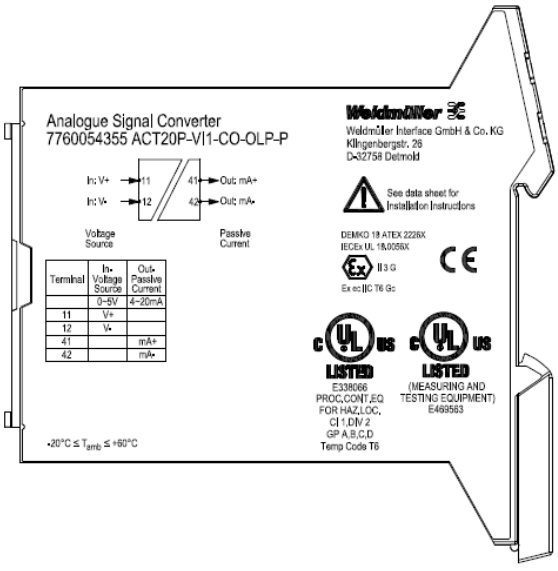
	ACT20P-CI-2CO-OLP-P ACT20P-CI-2CO-OLP-S
	ACT20P-VI1-CO-OLP-P ACT20P-VI1-CO-OLP-S

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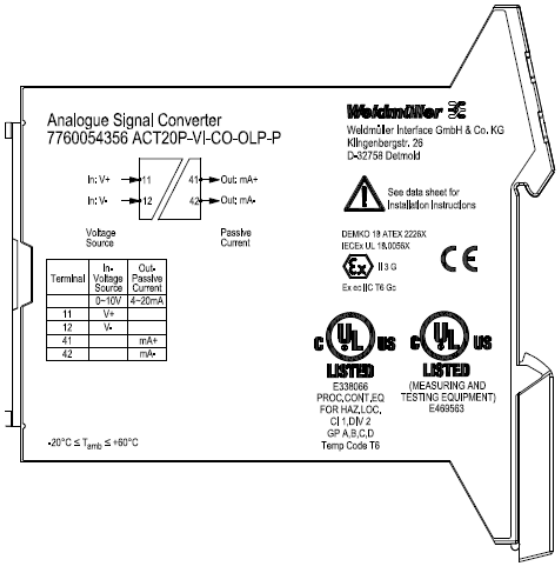

ACT20P-VI-CO-OLP-P
ACT20P-VI-CO-OLP-S