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 18.0141X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2019-03-29		
Applicant:	**Weidmüller Interface GmbH & Co. KG** Klingenbergstrasse 16 32758 Detmold **Germany**		
Equipment:	**Analogue Signal Converter Isolator, ACT20P series**		
Optional accessory:			
Type of Protection:	**Increased Safety "ec"**		
Marking:	Ex ec IIC T5 Gc -20 °C ≤ Tamb ≤ +60 °C		

Approved for issue on behalf of the IECEx Certification Body: **Erin LaRocco**

Position: **Staff Engineer**

Signature: (for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
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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Date of issue: 2019-03-29 Issue No: 0

Manufacturer:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold
Germany

Additional manufacturing locations:

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

Weidmuller Interface (Shanghai) Co., Ltd.
63A No. 101 HanCheng Rd.
Free Trade Zone
Shanghai, 200131
P. R. China
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/ExTR18.0164/01

Quality Assessment Reports:

CN/CQM/QAR10.0001/05 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 2- or 3- wire transmitter or current source signal. The input and output circuits and the voltage supply are completely electrically isolated. The input signal is converted into a DC current or voltage output. These units do not have a complete electrical enclosure and are to be installed in Industrial Control Equipment in the final installation.

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.
- 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 18.0141X Issue 0.pdf

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TYPE DESIGNATION

Nomenclature for type ACT20P Series:

ACT20P	-	2CI	-	2CO	-	12		P	-	S
1		2		3		4		5		6

1: Product series:
ACT20P

2: Input signal:
CI: Type with one channel of current input signal
2CI: Type with two channels of current input signal

3: Output signal:
CO: type with one channel of current output signal
2CO: type with two channels of current output signal
VO: type with one channel of voltage output signal

4: Variants Width:
Blank: 12.5mm width, for models except for ACT20P-2CI-2CO series
12: 12.5mm width, only for ACT20P-2CI-2CO series.

5. Din rail bus power connector:
Blank: Normal type
P: Type support Din rail bus power connector

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

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PARAMETERS RELATING TO THE SAFETY

Cat. No.	Supply	Input		Output	
		Current Range	Signal input	Voltage	Current
ACT20P-CI-VO-S ACT20P-CI-VO-P ACT20P-CI-VO-P-S ACT20P-CI-VO-P-P	20-30 V dc, 60 mA	0~20 mA or 4~20 mA	2- or 3-wire transmitter, current source	0~10 V or 2~10 V	-
ACT20P-CI-CO-S ACT20P-CI-CO-P ACT20P-CI-CO-P-S ACT20P-CI-CO-P-P	20-30 V dc, 60 mA	0~20 mA or 4~20 mA	2- or 3-wire transmitter, current source	-	0~20 mA or 4~20 mA
ACT20P-CI-2CO-S ACT20P-CI-2CO-P ACT20P-CI-2CO-P-S ACT20P-CI-2CO-P-P	20-30 V dc, 75 mA	0~20 mA or 4~20 mA	2- or 3-wire transmitter, current source	-	0~20 mA or 4~20 mA
ACT20P-2CI-2CO-12-S ACT20P-2CI-2CO-12-P ACT20P-2CI-2CO-12-P-S ACT20P-2CI-2CO-12-P-P	20-30 V dc, 100 mA	0~20 mA or 4~20 mA	current source	-	0~20 mA or 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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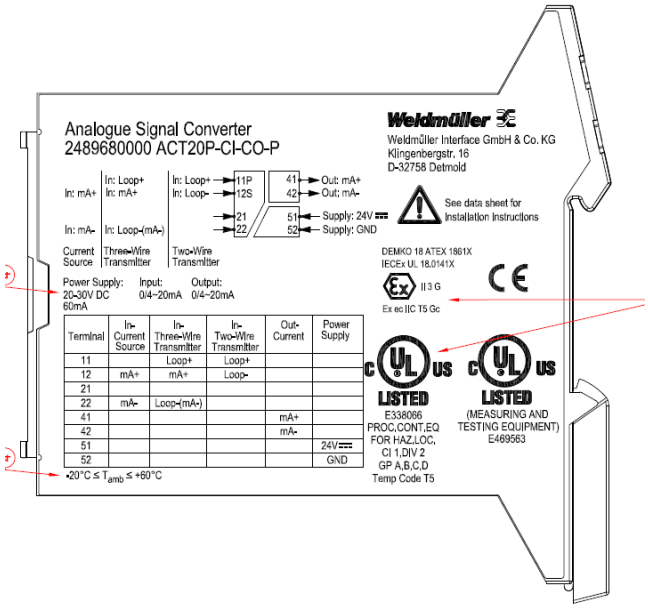
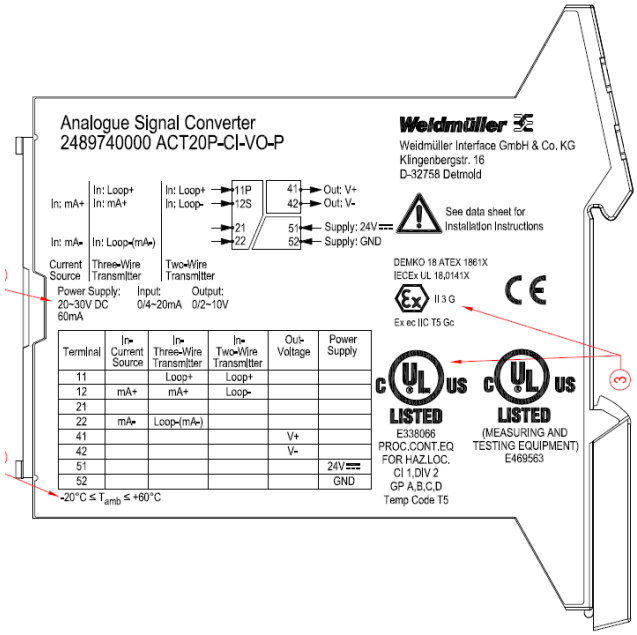
Representative Label	Represent Models
	ACT20P-CI-CO-S ACT20P-CI-CO-P-S ACT20P-CI-CO-P ACT20P-CI-CO-P-P
	ACT20P-CI-VO-S ACT20P-CI-VO-P-S ACT20P-CI-VO-P ACT20P-CI-VO-P-P

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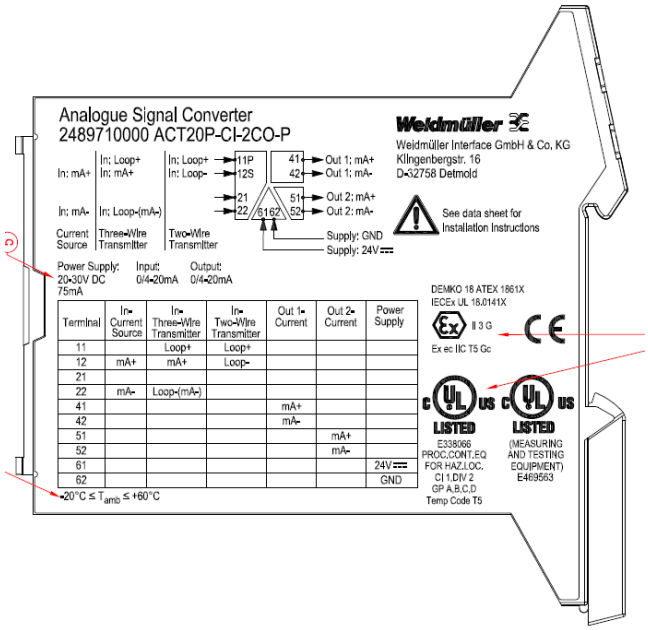
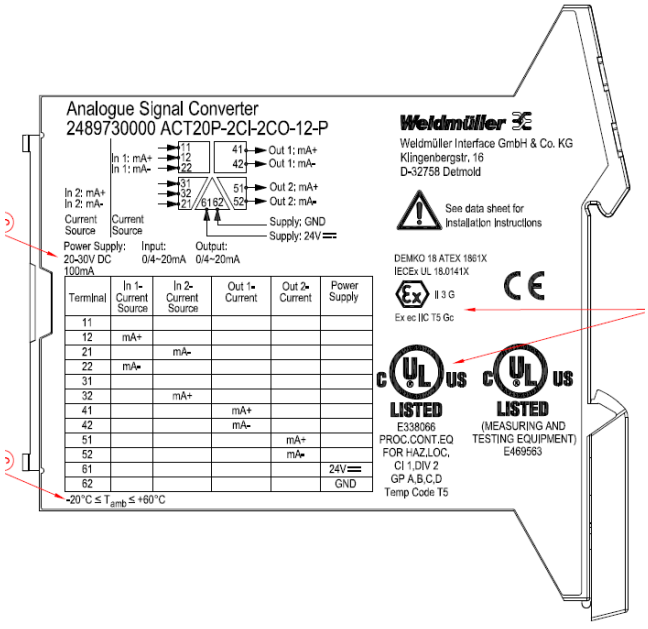


ACT20P-CI-2CO-S
ACT20P-CI-2CO-P-S
ACT20P-CI-2CO-P
ACT20P-CI-2CO-P-P



ACT20P-2CI-2CO-12-S
ACT20P-2CI-2CO-12-P-S
ACT20P-2CI-2CO-12-P
ACT20P-2CI-2CO-12-P-P