

**ACT20P-CI-2CO-S**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Similar to illustration**



**ACT20P: The flexible solution**

- Precise and highly functional signal converters
- Release levers simplify handling

**General ordering data**

Version	Signal distributor, HART <sup>®</sup> , Input : 0(4)-20 mA, Output : 2 x 0(4) - 20 mA
Order No.	<a href="#">7760054115</a>
Type	ACT20P-CI-2CO-S
GTIN (EAN)	6944 169656569
Qty.	1 Stück

Erstellungs-Datum June 1, 2023 10:47:58 AM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

## ACT20P-CI-2CO-S

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## Technische Daten

### Dimensions and weights

Depth	113.7 mm	Depth (inches)	4.476 inch
Height	117.2 mm	Height (inches)	4.614 inch
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	157 g		

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Operating temperature, min.	-20 °C	Operating temperature, max.	60 °C
Humidity	5...95 %, no condensation		

### Input

Input current	0...20 mA, 4...20mA	Input signal	2-/3-wire transmitter, HART signal <sup>®</sup> bidirectional
Number of inputs	1	Sensor supply	> 17 V DC at 20 mA, max 30 V @ open circuit, max 50 mA @ short-circuit
Voltage drop	ca. 3.8 V @ R <sub>Load</sub> = 0 Ω; ca. 15 V @ R <sub>Load</sub> = 600 Ω; (I <sub>input</sub> = 20 mA)		

### Output

Load impedance current	< 300 Ω	Number of outputs	2
Output current	0...20 mA (if input: 0...20 mA), 4...20 mA (if input: 4...20 mA), HART <sup>®</sup> digital signal	Type	active, connected control must be passive

### Output (analogue)

Output current	0...20 mA (if input: 0...20 mA), 4...20 mA (if input: 4...20 mA), HART <sup>®</sup> digital signal
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### General data

Accuracy	< 0.1 % of end value	Configuration	none
Current consumption	≤60 mA (24V power supply, 20mA output)	Galvanic isolation	3-way isolator, between input/output/supply
Power consumption	≤1.8 W	Rail	TS 35
Step response time	≤ 0,5 ms	Temperature coefficient	80 ppm/K
Voltage supply	20...30 V DC		

### Insulation coordination

EMC standards	EN 61010-1:2011, UL 61010-1, EN 61326-1	Galvanic isolation	3-way isolator, between input/output/supply
Impulse withstand voltage	4 kV (1.2/50 μs)	Insulation voltage	2 kV inputs / outputs / power supply
Insulation voltage input or output/supply	2 kV inputs / outputs / power supply	Pollution severity	2
Rated voltage	300 V	Surge voltage category	III
Test voltage	300 V		

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### Data for Ex applications (ATEX)

Marking II 3 G Ex ec IIC T5 Gc

### Connection data

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12

### Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
ETIM 8.0	EC002653	ECLASS 9.0	27-21-01-20
ECLASS 9.1	27-21-01-20	ECLASS 10.0	27-21-01-20
ECLASS 11.0	27-21-01-20	ECLASS 12.0	27-21-01-20

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

### Important note

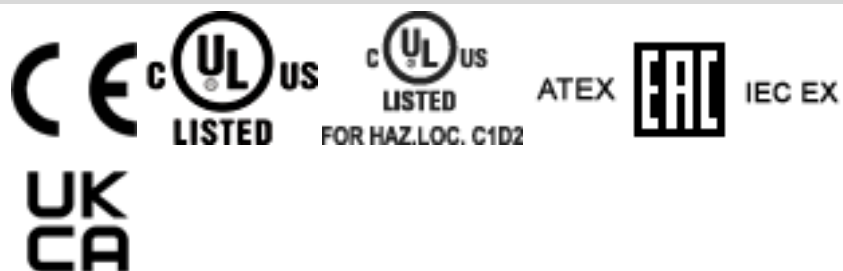
Product information The non-adjustable DC isolating amplifier ACT20P-CI-2CO isolates analogue standard current signals from a power source or from a 2- or 3-wire sensor. An analogue input current signal is converted linearly and doubled to provide two galvanically isolated output current signals. The power supply is galvanically isolated from the input and output (4-way isolation).

Properties

- HART-compatible for 0.5 - 2.5 kHz
- The active or passive mA signal inputs are fully galvanically isolated.
- Operating status display on a front panel LED
- Galvanic 4-way isolation between input, output and supply.

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E469563
Certificate no. (cULusEX)	E338066

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## Technische Daten

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">IECEX Certification</a> <a href="#">ATEX Certification</a> <a href="#">UL Certification (hazardous location)</a> <a href="#">UL Certification (US-CAN)</a> <a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S, EPLAN</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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**Zeichnungen**

**Dimensioned drawing**

