

## ACT20P-CI-2CO-S

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 pc(s).

Creation date December 30, 2021 7:07:52 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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**Technical data****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
Weight	157 g	Net weight	157 g

**Temperatures**

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

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**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

**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
Rail	TS 35	Step response time	≤ 0,5 ms
Temperature coefficient	80 ppm/K	Type of connection	Screw connection
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
Surge voltage category	III	Test voltage	300 V

**Data for Ex applications (ATEX)**

Marking	II 3 G Ex ec IIC T5 Gc
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## Technical data

### 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		

### Important note

Product information	<p>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).</p> <p>Properties</p> <ul style="list-style-type: none"> <li>• HART-compatible for 0.5 - 2.5 kHz</li> <li>• The active or passive mA signal inputs are fully galvanically isolated.</li> <li>• Operating status display on a front panel LED</li> <li>• Galvanic 4-way isolation between input, output and supply.</li> </ul>
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### Approvals

Approvals



ROHS	Conform
UL File Number Search	E366074

### 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="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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**Drawings**

**Dimensioned drawing**

