

ACT20P-CI-2CO-P**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****ACT20P: The flexible solution**

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

General ordering data

Version	Signal converter/isolator, HART [®] , Input : 0(4)-20 mA, Output : 2 x 0(4) - 20 mA
Order No.	2489710000
Type	ACT20P-CI-2CO-P
GTIN (EAN)	4050118535167
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	113.7 mm	Depth (inches)	4.476 inch
Height	127.1 mm	Height (inches)	5.004 inch
Net weight	125 g	Weight	157 g
Width	12.5 mm	Width (inches)	0.492 inch

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® 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 @ $R_{Load} = 0 \Omega$; ca. 15 V @ $R_{Load} = 600 \Omega$; ($I_{input} = 20 \text{ mA}$)		

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® digital signal		

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	PUSH IN
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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Connection data

Type of connection	PUSH IN	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.2 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Wire connection cross section, finely stranded, min.	0.2 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.2 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²		

Classifications

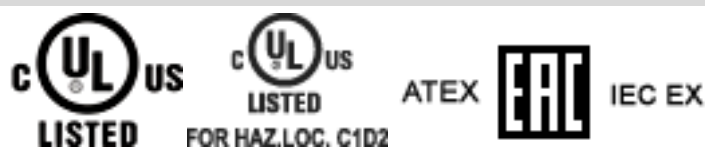
ETIM 6.0	EC002653	ETIM 7.0	EC002653
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-90
ECLASS 10.0	27-21-01-20	ECLASS 11.0	27-21-01-20

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.
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Approvals

Approvals



Approvals	CULUS;
ROHS	Conform
UL File Number Search	E469563

Downloads

Approval/Certificate/Document of Conformity	IECEX Certification ATEX Certification UL Certification (hazardous location) UL Certification (US-CAN) Declaration of Conformity
Engineering Data	STEP
User Documentation	Instruction sheet

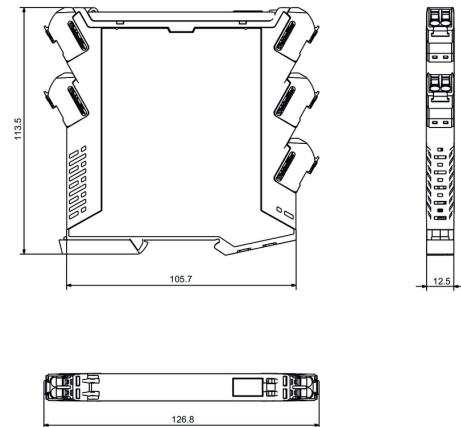
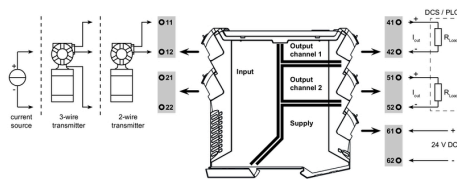
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Drawings

Dimensioned drawing



Similar to illustration



PUSH IN technology

