

ACT20P-CI-CO-P-S**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 : 0(4)-20 mA, Voltage supply also via CH20M rail bus
Order No.	150620000
Type	ACT20P-CI-CO-P-S
GTIN (EAN)	4050118314717
Qty.	1 pc(s).

Creation date March 24, 2021 3:26:15 AM CET

Catalogue status 12.03.2021 / 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	119.2 mm	Height (inches)	4.693 inch
Net weight	145 g	Weight	110 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® digital signal
Number of inputs	1	Sensor supply	> 17 V DC at 20 mA, max 30 V @ open circuit, max 50 mA @ short-circuit
Voltage drop	≤ 1 V		

Output

Load impedance current	≤ 550 Ω	Number of outputs	1
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	Screw connection
Voltage supply	20...30 V at terminal or via CH20M rail bus		

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
Pollution severity	2	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 ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
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
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-CO isolates analogue standard current signals from a power source or from a 2- or 3-wire sensor. An analogue input current signal is linearly converted into an analogue output current signal and is galvanically isolated. The power supply is galvanically isolated from the input and output (3-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 3-way isolation between input, output and supply.

Approvals

Approvals



ROHS	Conform
UL File Number Search	E366074

Downloads

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

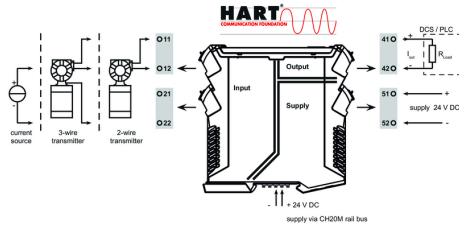
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Drawings

Connection diagram



Dimensioned drawing

