

ACT20P-CI-VO-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/insulator, Input : 0(4)-20 mA, Output : 0-10 V, Voltage supply also via CH20M rail bus, Signal converter/isolator
Order No.	1537750000
Type	ACT20P-CI-VO-P-S
GTIN (EAN)	4050118342147
Qty.	1 pc(s).

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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
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	140 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity at operating temperature	0...95 % (no condensation)	Humidity	5...95 %, no condensation

Probability of failure

SIL in compliance with IEC 61508	None
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Input

Input current	0...20 mA, 4...20mA	Input signal	2-/3-wire transmitter, Current source
Number of inputs	1	Sensor	2-wire transmitter (without own power supply), 3-wire sensor, 4-wire sensor (with own power supply)
Sensor supply	> 17 V DC at 20 mA	Voltage drop	≤ 1 V

Output

Load impedance current	≤ 550 Ω	Number of outputs	1
Output voltage, note	0...10 V (if input: 0...20 mA), 2...10 V (if input: 4...20 mA)	Type	active, connected control must be passive
load impedance voltage	≥ 600 kΩ		

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
Protection degree	IP20	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 61326-1, EN 61000-6-2, EN 61000-6-4	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	Surge voltage category	III
Test voltage	0.3 kV		

Data for Ex applications (ATEX)

Marking	II 3 G Ex ec IIC T5 Gc
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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
ETIM 8.0	EC002653	ETIM 9.0	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	ECLASS 13.0	27-21-01-20

Environmental Product Compliance

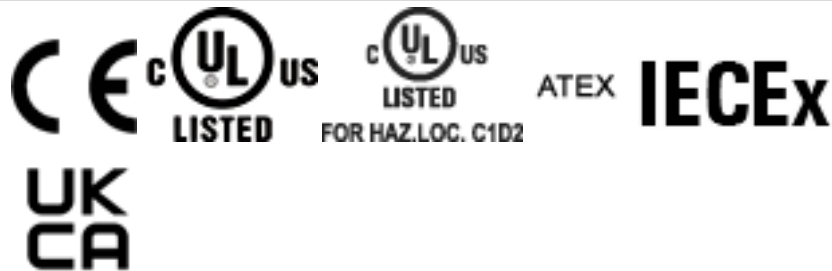
REACH SVHC	Lead 7439-92-1
SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Important note

Product information	<p>The fixed DC repeater ACT20P-CI-VO isolates analogue standard current signals from a power source or from a 2- or 3-wire sensor. An analogue input current signal is converted linear and galvanic isolated into an analogue output voltage signal. The power supply is galvanically isolated from input and output (3-way isolation).</p> <p>Features</p> <ul style="list-style-type: none"> • The active or passive mA current signal inputs are completely electrically isolated. • Front LED indicates operation status. • 3-way galvanic isolation between input, output and power supply
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Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	IECEx Certification ATEX Certification UL Certification (hazardous location) UL Certification (US-CAN) Declaration of Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

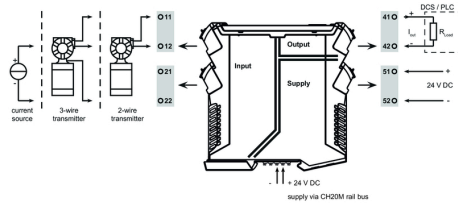
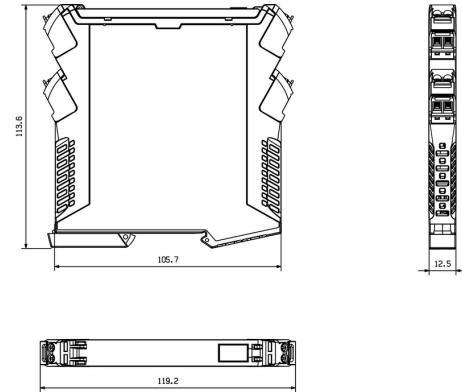
Creation date July 1, 2024 2:33:27 AM CEST

Catalogue status 14.06.2024 / We reserve the right to make technical changes.

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Drawings
Connection diagram

Dimensioned drawing


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www.weidmueller.com**Accessories****Blank**

ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 6.6/11 BHZ 5.00/02	Version
Order No.	1082490000	ESG, Device markers x 11 mm, PA 66, Colour: white
GTIN (EAN)	4032248845330	
Qty.	200 pc(s).	

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General ordering data

Type	ESG 8/13.5/43.3 SAI AU	Version
Order No.	1912130000	ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent
GTIN (EAN)	4032248541164	
Qty.	5 pc(s).	